AIR QUALITY, HEALTH RISK, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

KIRBY STREET WAREHOUSE PROJECT

CITY OF HEMET, CALIFORNIA

LSA

April 2023

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CITY OF HEMET, CALIFORNIA

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LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
ADA	Americans with Disabilities Act
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
Basin	South Coast Air Basin
BTU	British thermal units
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAP	Climate Action Plan
CARB	California Air Resources Board
CAT	Climate Action Team
CBC	California Building Code
CBSC	California Building Standards Commission
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	methane
City	City of Hemet
CO	carbon monoxide
CO_2	carbon dioxide

CO_2e	carbon dioxide equivalent
County	County of Riverside
CPUC	California Public Utilities Commission
DPM	diesel particulate matter
EIA	Energy Information Administration
EIR	Environmental Impact Report
EMFAC	California Emissions Factor Model
EO	Executive Order
EV	electric vehicle
GCC	global climate change
General Plan EIR	City of Hemet General Plan 2023 Environmental Impact Report
GHG	greenhouse gas
GWh	gigawatt-hour
GWP	global warming potential
H_2S	hydrogen sulfide
HFCs	hydrofluorocarbons
HI	Hazard Index
hp	horsepower
HRA	Health Risk Assessment
I-74	Interstate 74
IPCC	Intergovernmental Panel on Climate Change
kWh	kilowatt-hour
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
LST	Local Significance Threshold
MEI	maximally exposed individual
mg/m^3	milligrams per cubic meter
MICR	maximum individual cancer risk
MMRP	Mitigation Monitoring and Reporting Program
MMT	million metric tons
MMT CO_2e	million metric tons of carbon dioxide equivalent

mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MT	metric tons
MT CO_2e	metric tons of carbon dioxide equivalent
MT CO_2e/yr	metric tons of carbon dioxide equivalent per year
MW	megawatt
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone (or smog)
OEHHA	CalEPA's Office of Environmental Health Hazard Assessment
OPR	Governor's Office of Planning and Research
PFCs	perfluorocarbons
PM	particulate matter
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PM_{10}	particulate matter less than 10 microns in size
ppb	parts per billion
ppm	parts per million
PRC	Public Resources Code
project	Kirby Street Warehouse Project
RCP	Regional Comprehensive Plan
ROCs	reactive organic compounds
ROGs	reactive organic gases
RPS	Renewables Portfolio Standard
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy

SB	Senate Bill
SCAG	Southern California Association of Governments
SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SF_6	sulfur hexafluoride
SO_2	sulfur dioxide
SO_X	sulfur oxides
SoCalGas	Southern California Gas Company
sq ft	square foot/feet
sq mi	square mile
SRA	Source Receptor Area
TAC	toxic air contaminant
UNFCCC	United Nations Framework Convention on Climate Change
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
WRCOG	Western Riverside Council of Governments
WRELP	Western Riverside Energy Leadership Partnership
ZEV	zero-emission vehicle
ZNE	zero net energy

INTRODUCTION

This Air Quality, Heath Risk, Energy, and Greenhouse Gas (GHG) Impact Report has been prepared to evaluate the potential air quality and GHG emissions impacts associated with the Kirby Street Warehouse Project (project) in the City of Hemet (City), County of Riverside (County), California. This report follows the guidelines identified by the South Coast Air Quality Management District (SCAQMD) in its *California Environmental Quality Act (CEQA) Air Quality Handbook*,[1] and associated updates. In keeping with these guidelines, this analysis describes existing air quality, including air quality and GHG emissions generated from project-related sources, regional air pollution, and global climate change. In addition, this analysis discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency. In addition, mitigation measures in the City of Hemet General Plan 2023 Environmental Impact Report (General Plan EIR) Mitigation Monitoring and Reporting Program (MMRP) would apply to the proposed project; therefore, applicable mitigation measures from the General Plan EIR MMRP are identified within.

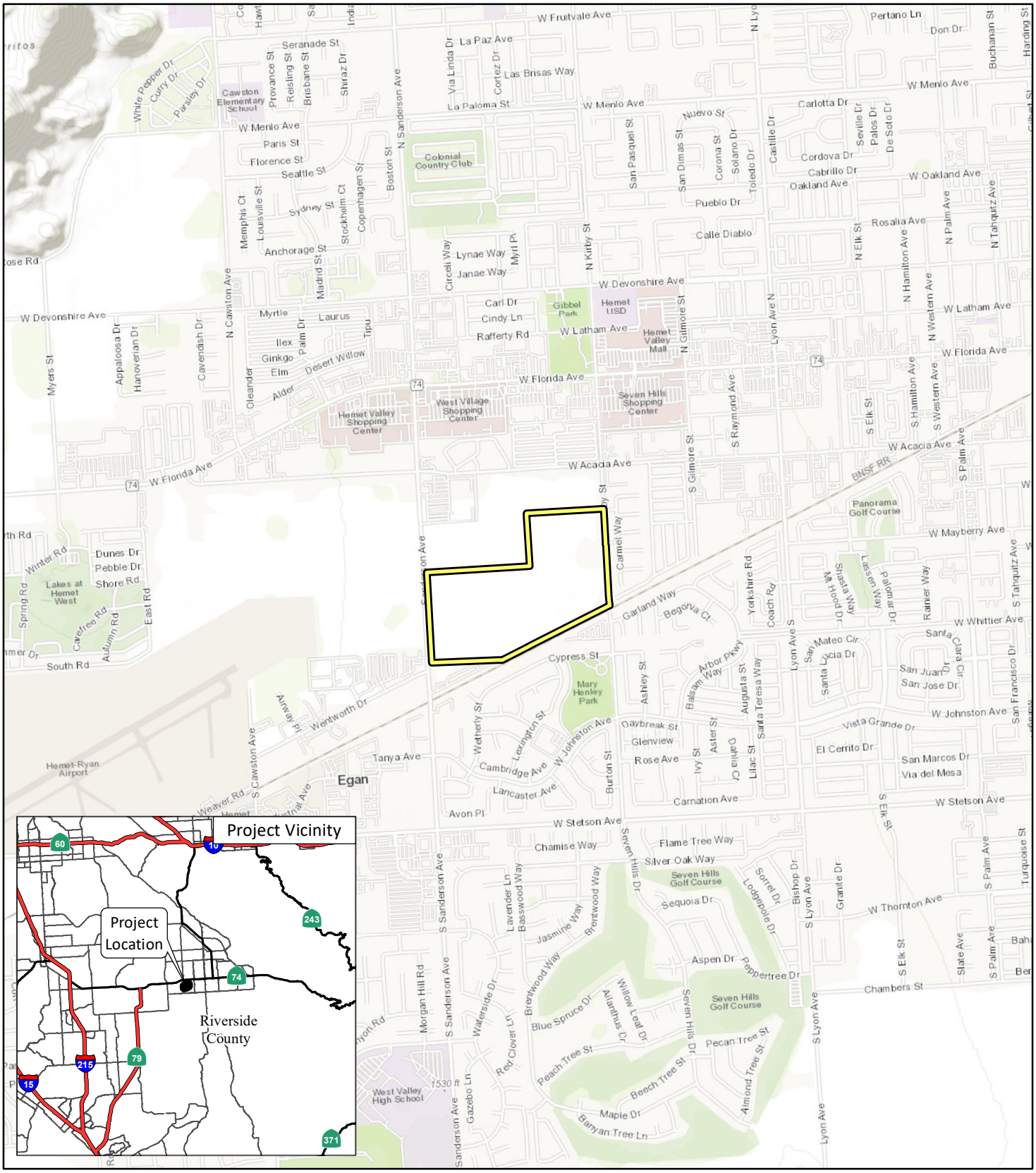
PROJECT LOCATION AND DESCRIPTION

The 41.86-acre project site is located southwest of the intersection of Kirby Street and Acacia Avenue, just north of the Salt Creek Channel in the City of Hemet, Riverside County, California (Assessor's Parcel Number [APN]: 456-030-020). Regional access to the project site is provided by Interstate 74 (I-74). Local access is provided via Kirby Street and Acacia Avenue. See Figure 1, Regional Project Location, and Figure 2, Site Plan, below.

The project proposes to construct an 850,640-square-foot (sq ft) warehouse building, including 831,345 sq ft of warehouse space and 19,292 sq ft of office space. The project would include approximately 199,495 sq ft of landscaping area that would cover about 11 percent of the site. The proposed project would include 955 passenger parking spaces including electric vehicle (EV) and accessible Americans with Disabilities Act (ADA) spaces, 163 trailer spaces, 132 loading dock doors, and 4 grade level doors.

Typical operational characteristics include employees traveling to and from the site, delivery of products to the site, truck loading and unloading, and truck maintenance operations. The proposed project would be a single-tenant, freestanding distribution building pre-leased to All-Ways Pacific, a global end-to-end distribution company. The warehouse would serve the apparel distribution needs of large, big box retailers. The project would employ approximately 550 people and would operate 24 hours per day, 7 days per week. In addition, the proposed project would include a 200 horsepower (hp) diesel fire pump and 536 hp diesel backup generator. In addition, the proposed project would not be powered by natural gas, and no natural gas demand is anticipated during construction or operation of the proposed project.

[1] South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993) (accessed March 2023).



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LEGEND

Project Location

FIGURE 1

N

0 1000 2000

FEET

Kirby Street Warehouse Project

Project Location and Vicinity

SOURCE: USGS 7.5' Quad - *San Luis Rey* (1975), *Oceanside* (1975), CA

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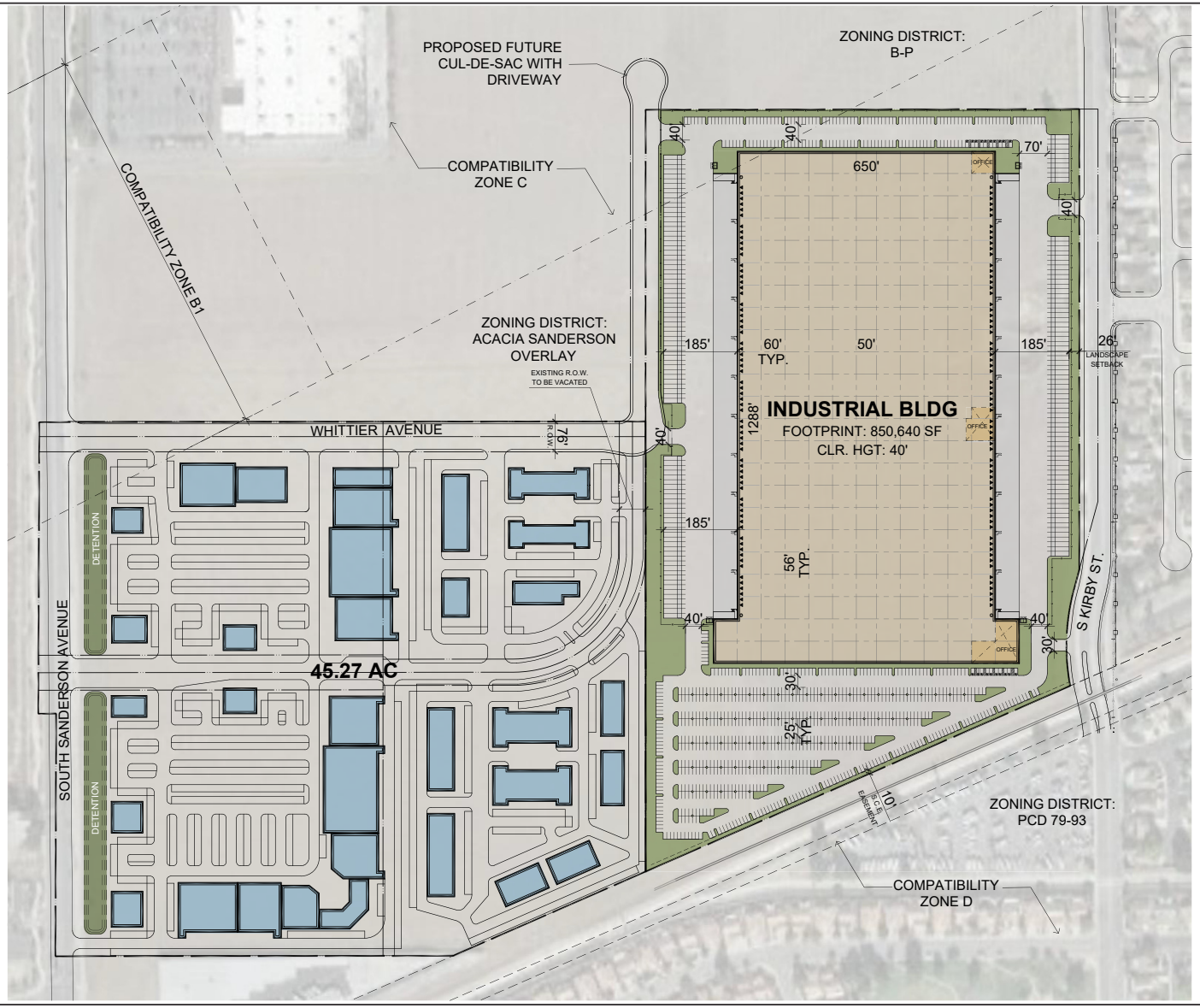

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FIGURE 2

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SOURCE: Ware Malcomb

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Kirby Street Warehouse Project
Site Plan

The proposed project would generate approximately 1,811 average daily trips, including 1,555 passenger vehicle trips, 20 two-axle truck trips, 40 three-axle truck trips, 60 four+-axle truck trips, and 137 five+-axle truck trips[2].

Construction is anticipated to begin in October 2023 and be completed in 12 months, ending in October 2024. The proposed project would require the export of approximately 133,600 cubic yards and the import of 147,300 cubic yards of soil, for a net import of 13,700 cubic yards of soil. Construction activities for the project include grading and excavation, site preparation, building construction, landscape installation, paving, and architectural coatings.

In addition, the City of Hemet General Plan 2030 allows for up to 1,094,102 sq ft of business park uses on the project site, which would generate approximately 13,611 average daily trips.[3]

EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses which are sensitive to air quality. Impacts on sensitive receptors are of particular concern because they are the population most vulnerable to the effects of air pollution. The project site is surrounded primarily by residential and commercial uses. Land uses in the project area include vacant land and an RV resort to the north, vacant land to the west, an RV storage, and single-family homes to the south, and single-family homes to the east.

The closest sensitive receptors to the project site are residential uses, including single-family homes located approximately 100 feet east of the project eastern boundary along Kirby Street and approximately 165 feet southeast of the project southern boundary.

CITY OF HEMET GENERAL PLAN 2023 EIR MMRP

The General Plan EIR MMRP[4] identified the following mitigation measures that would apply to the proposed project and that would help reduce and avoid potential impacts related to air quality and GHGs:

Air Quality

Mitigation Measure 4.3-1a: Fugitive Dust Emissions. The City shall implement the following measures to reduce the amount of fugitive dust that is re-entrained into the atmosphere from parking lots and construction sites.

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2 Environment Planning Development Solutions, Inc. 2023. *Vehicle Miles Traveled (VMT) Screening Memo*. March 13.

3 Environment Planning Development Solutions, Inc. 2023. op. cit.

4 Hemet, City of. 2012. *City of Hemet General Plan 2030 Final Environmental Impact Report*. January 12. Website: https://www.hemetca.gov/444/Final-Environmental-Impact-Report (accessed April 2023).

- Require the following measures to be taken during the construction of all projects to reduce the amount of dust and other sources of PM_{10}, in accordance with SCAQMD Rule 403:
    - Dust suppression at construction sites using vegetation, surfactants, and other chemical stabilizers
    - Wheel washers for construction equipment
    - Watering down of all construction areas
    - Limit speeds at construction sites to 15 miles per hour
    - Cover aggregate or similar material during transportation of material
    - Adopt incentives, regulations, and/or procedures to reduce paved road dust emissions through targeted street sweeping of roads subject to high traffic levels and silt loadings.

Mitigation Measure 4.3-1b: Reduce Emissions from Construction. The City shall require each project applicant, as a condition of project approval, to implement the following measures to reduce emissions from construction:

- Commercial electric power shall be provided to the project site in adequate capacity to avoid or minimize the use of portable gas-powered electric generators and equipment.
- Where feasible, equipment requiring the use of fossil fuels (e.g., diesel) shall be replaced or substituted with electrically driven equivalents (provided that they are not run via a portable generator set).
- To the extent feasible, alternative fuels and emission controls shall be used to further reduce exhaust emissions.
- On-site equipment shall not be left idling when not in use.
- The hours of operation of heavy-duty equipment and/or the amount of equipment in use at any one time shall be limited.
- Staging areas for heavy-duty construction equipment shall be located as far as possible from sensitive receptors.
- Before construction contracts are issued, the project applicants shall perform a review of new technology, in consultation with SCAQMD, as it relates to heavy-duty equipment, to determine what (if any) advances in emissions reductions are available for use and are economically feasible. Construction contract and bid specifications shall require contractors to utilize the available and economically feasible technology on an established percentage of the equipment fleet. It is anticipated that in the near future, both NO_x and PM_{10} control equipment will be available.

- Provide temporary traffic controls such as a flag person during all phases of construction to maintain smooth traffic flow.
- Provide dedicated turn lanes for movement of construction trucks and equipment on- and off-site.
- Reroute construction trucks away from congested streets or sensitive receptor areas.
- Appoint a construction relations officer to act as a community liaison concerning on-site construction activity, including resolution of issues related to PM_{10} generation.
- Improve traffic flow by signal synchronization, and ensure that all vehicles and equipment will be properly tuned and maintained according to manufactures' specifications.
- Use coatings and solvents with a VOC content lower than that required under AQMD Rule 1113.
- Construct or build with materials that do not require painting, or require the use of pre-painted construction materials where feasible.
- Require the use of 2010 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export). If the City determines that 2010 model year or newer diesel trucks cannot be obtained, the lead agency shall use trucks that meet EPA 2007 model year NO_X and PM emissions requirements.
- During project construction, all internal combustion engines or construction equipment operating on the project site shall meet EPA-Certified Tier 2 emissions standards or higher. A copy of each unit's certified tier specification, BACT documentation, and CARB or SCAQMD operating permit shall be provided at the time of mobilization for each applicable unit of equipment.
- Encourage construction contractors to apply for AQMD "SOON" funds.

Mitigation Measure 4.3-1c: Two-Stroke Engines. The City shall distribute public information regarding the polluting impacts of two- Department stroke engines and the common types of machinery with two-stroke engines.

Mitigation Measure 4.3-1d: Implement the Air Quality Management Plan. The City shall work with SCAQMD and SCAG to implement the AQMP and meet all federal and state air quality standards for pollutants. The City shall participate in review any future amendments and updates to the AQMP. The City shall also implement, review, and interpret the proposed General Plan and future discretionary projects in a manner consistent with the AQMP to meet standards and reduce overall emissions from mobile and stationary sources.

Mitigation Measure 4.3-1e: Reduce Exposure of Sensitive Receptors. The City shall implement the following measures to minimize exposure of time of sensitive receptors and sites to health risks related to air pollution:

- Encourage the applicants for sensitive land uses to incorporate design features (e.g., pollution prevention, pollution reduction, barriers, landscaping, ventilation systems, or other measures) in the planning process to minimize the potential impacts of air pollution on sensitive receptors.

- Activities involving idling trucks shall be oriented as far away from and downwind of existing or proposed sensitive receptors as feasible.

Strategies shall be incorporated to reduce the idling time of diesel engines through alternative technologies such as ldleAire, electrification of truck parking, and alternative energy sources for TRUs to allow diesel engines to be completely turned off.

Mitigation Measure 4.3-4a: Local Significance Thresholds and Dispersion Modeling. For new discretionary projects of 5 acres or less, the City shall require air quality analysis to use SCAQMD's Local Significance Threshold (LST) methodology to evaluate air quality impacts. For discretionary projects that are larger than 5 acres, the City shall require dispersion modeling to identify localized air quality impacts, potential for impacts on nearby sensitive receptors, and binding mitigation to avoid or reduce potentially significant impacts.

Mitigation Measure 4.3-4b: Avoid siting new sensitive receptors within buffers recommended by ARB. The City shall require disclose of health risks for all other new sensitive uses proposed within distances recommended within the Air Quality and Land Use Handbook. To the extent feasible, the City shall prohibit the placement of new schools, parks, day care centers, adult day care facilities, community centers, and libraries within buffers recommended within the Air Quality and Land Use Handbook.

Greenhouse Gas

Mitigation Measure 4.7-1: Reduce Construction-based GHG Emissions. To further reduce construction GHG emissions, projects consistent with the Draft General Plan seeking discretionary approval from the City shall implement all feasible measures for reducing construction GHG emissions recommended by the City and/or SCAQMD at the time individual portions of the site undergo construction.

Prior to releasing bid requests to contractors for projects consistent with the Draft General Plan seeking discretionary approval from the City, the project applicant(s) shall obtain the most current list of GHG reduction measures recommended by the City and stipulate that these measures be implemented in the respective request for bid, as well as the subsequent construction contract. By requiring that the list of feasible measures be established prior to the selection of a primary contractor, this measure requires that the ability of a contractor to effectively implement the selected GHG reduction measures be inherent to the selection process.

The City's recommended measures for reducing construction GHG emissions at the time of writing this EIR are listed below. This list will be updated as new technologies or methods become available. The project applicant(s) shall, at a minimum, be required to implement the following:

- Improve fuel efficiency of construction equipment:

  - reduce unnecessary idling (modify work practices, install auxiliary power for driver comfort);
  - perform equipment maintenance (inspections, detect failures early, corrections);
  - train equipment operators in proper use of equipment; . use the proper size of equipment for the job; and
  - use equipment with new technologies (repowered engines, electric drive trains).

- Use alternative fuels for electricity generators and welders at construction sites such as propane or solar, or use electrical power.
- Use an ARB-approved low-carbon fuel, such as biodiesel or renewable diesel for construction equipment. Emissions of oxides of nitrogen [NO_x] from the use of low carbon fuel must be reviewed and increases mitigated. Additional information about low-carbon fuels is available from ARB's Low Carbon Fuel Standard Program.
- Encourage and provide carpools, shuttle vans, transit passes, and/or secure bicycle parking for construction workers.
- Reduce electricity use in the construction office by using compact fluorescent bulbs, powering off computers every day, and replacing heating and cooling units with more efficient ones.
- Recycle or salvage nonhazardous construction and demolition debris (goal of at least 75% by weight).
- Use locally sourced or recycled materials for construction materials (goal of at least 20% based on costs for building materials, and based on volume for roadway, parking lot, sidewalk, and curb materials).
- Minimize the amount of concrete used for paved surfaces or use a low carbon concrete option.
- Produce concrete on-site if determined to be less emissive than transporting ready mix.
- Use EPA-certified Smart Way trucks for deliveries and equipment transport.
- Additional information about d1e SmartWay Transport Partnership Program is available from ARB's Heavy-Duty Vehicle Greenhouse Gas Measure and EPA.
- Develop a plan to efficiently use water for adequate dust control. This may include the use of non potable water from a local source.

The project applicant(s) for any particular discretionary project may submit to the City a report that substantiates why specific measures are considered infeasible for construction of that particular discretionary project and/or at that point in time.

Mitigation Measure 4.7-2: Early Actions to Reduce Land Use-based GHG Emissions. Implementation Program OS-P-34 requires the City to develop and adopt a Climate Action Plan (CAP). The CAP will contain GHG emission reduction policies and measures to achieve communitywide GHG reductions to 6.6 MT CO_2e/SP/yr by 2020 and 4.9 MT CO_2e/SP/yr by 2030. The City intends to design the CAP to function as a Plan for the Reduction of GHG Emissions, as defined in the *State CEQA Guidelines* (Section 15183.5).

Until a CAP is adopted and before granting approvals for development projects that are: I) subject to a Specific Plan, or 2) considered projects of statewide, regional, or areawide significance (as defined by the CEQA Guidelines) ("covered development projects"), the City shall take the steps set forth below:

(a) City staff shall formulate proposed measures necessary for the project that demonstrate the ability to meet any applicable GHG reduction targets adopted by ARB or SCAQMD at the time of application. These measures may include but are not limited to the following;

1) assess the project's VMT and formulate proposed measures that would reduce the project's VMT;

2) assess the transit needs of the project and identify the project's proposed fair share of the cost of meeting such needs;

3) assess the project's estimated energy consumption, and identify proposed measures to ensure that the project conserves energy and uses energy efficiently;

4) formulate proposed measures to ensure that City services and infrastructure are in place or will be in place prior to the issuance of new entitlements for the project or will be available at the time of development; and

5) formulate proposed measures to ensure that the project is configured to allow the entire development to be internally accessible by alternative modes of transportation.

(b) In conjunction with the public hearing on the project, the City Council shall review and consider the studies and recommendations of City staff required by paragraph (a).

(c) The City Council shall consider the feasibility of imposing conditions of approval, including mitigation measures pursuant to CEQA, based on the studies and recommendations of City staff prepared pursuant to paragraph (a) for each covered development project.

(d) The City Council shall consider including in any development approvals, or development agreements, that the City grants or enters into during the time the City is developing the CAP, a requirement that all such approvals and development agreements shall be subject to ordinances and enactments adopted after the effective date of any approvals of such projects or corresponding development agreements, where such ordinances and enactments are directed by the CAP.

(e) The City shall complete the process described in paragraphs (a) through (d) above (hereinafter, "Climate Impact Study Process") prior to the first discretionary approval for a covered development project.

BACKGROUND

This section provides current background information on air pollutants and their health effects. It also provides current regulatory background information, including information from the California Air Resources Board's (CARB) Air Quality and Land Use Handbook[5] (CARB Handbook); a description of the general health risks of toxics, and the significance criteria for project evaluation. In addition, this section provides background information on energy usage in the project area and provides regulatory background information, including federal, State, and local energy regulations.

AIR POLLUTANTS AND HEALTH EFFECTS

Both State and federal governments have established health-based ambient air quality standards (California Ambient Air Quality Standards [CAAQS] and National Ambient Air Quality Standards [NAAQS], respectively) for six criteria air pollutants:[6] carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Long-term exposure to elevated levels of criteria pollutants may result in adverse health effects. However, emission thresholds established by an air district are used to manage total regional emissions within an air basin based on the air basin's attainment status for criteria pollutants. These emission thresholds were established for individual projects that would contribute to regional emissions and pollutant concentrations and could adversely affect or delay the projected attainment target year for certain criteria pollutants.

Because of the conservative nature of the thresholds and the basin-wide context of individual project emissions, there is no known direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO_X) and volatile organic compounds (VOCs).

Occupants of facilities such as schools, daycare centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous outdoor work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses

[5] California Air Resources Board (CARB). 2005. *Air Quality and Land Use Handbook: A Community Health Perspective.* April.

[6] Criteria pollutants are defined as those pollutants for which the federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.

are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

Ozone

Rather than being directly emitted, ozone (O_3 or smog) is formed by photochemical reactions between NO_X and VOCs. Ozone is a pungent, colorless gas. Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, elderly, and young children. Ozone levels peak during the summer and early fall months.

Carbon Monoxide

CO is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. It is a colorless, odorless gas that can cause dizziness, fatigue, and impairments to central nervous system functions. CO passes through the lungs into the bloodstream, where it interferes with the transfer of oxygen to body tissues.

Particulate Matter

Particulate matter (PM) is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles are those that are 10 microns or less in diameter, or PM_{10}. Fine, suspended particulate matter with an aerodynamic diameter of 2.5 microns or less, or $PM_{2.5}$, is not readily filtered out by the lungs. Nitrates, sulfates, dust, and combustion particulates are major components of PM_{10} and $PM_{2.5}$. These small particles can be directly emitted into the atmosphere as byproducts of fuel combustion; through abrasion, such as tire or brake lining wear; or through fugitive dust (wind or mechanical erosion of soil). They can also be formed in the atmosphere through chemical reactions. Particulates may transport carcinogens and other toxic compounds that adhere to the particle surfaces and can enter the human body through the lungs.

Nitrogen Dioxide

Nitrogen dioxide (NO_2) is a reddish brown gas that is a byproduct of combustion processes. Automobiles and industrial operations are the main sources of NO_2. Aside from its contribution to ozone formation, NO_2 also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition. NO_2 may be visible as a coloring component on high pollution days, especially in conjunction with high ozone levels. NO_2 decreases lung function and may reduce resistance to infection.

Sulfur Dioxide

Sulfur dioxide (SO_2) is a colorless, irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO_2 levels in the region. SO_2 irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight.

Lead

Leaded gasoline (phased out in the United States beginning in 1973), paint (on older houses and cars), smelters (metal refineries), and the manufacture of lead storage batteries have been the primary sources of lead (Pb) released into the atmosphere. Lead has multiple adverse neurotoxic health effects, and children are at special risk. Some lead-containing chemicals cause cancer in animals. Lead levels in the air have decreased substantially since leaded gasoline was eliminated. Ambient lead concentrations are only monitored on an as-warranted, site-specific basis in California. On October 15, 2008, the United States Environmental Protection Agency (USEPA) strengthened the NAAQS for lead by lowering it from 1.5 to 0.15 micrograms per cubic meter ($\mu g/m^3$). The USEPA revised the monitoring requirements for lead in December 2010. These requirements focus on airports and large urban areas, resulting in an increase in 76 monitors nationally.

Volatile Organic Compounds

VOCs (also known as reactive organic gases [ROGs] and reactive organic compounds [ROCs]) are formed from the combustion of fuels and the evaporation of organic solvents. VOCs are not defined as criteria pollutants, however, because VOCs accumulate in the atmosphere more quickly during the winter, when sunlight is limited and photochemical reactions are slower, they are a prime component of the photochemical smog reaction. There are no attainment designations for VOCs.

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are injurious in small quantities and are regulated by the USEPA and the CARB. Some examples of TACs include benzene, butadiene, formaldehyde, and hydrogen sulfide. The identification, regulation, and monitoring of TACs is relatively recent compared to that for criteria pollutants.

TACs do not have ambient air quality standards (AAQS), but are regulated by the USEPA, CARB, and the SCAQMD. In 1998, the CARB identified particulate matter from diesel-fueled engines as a TAC. The CARB has completed a risk management process that identified potential cancer risks for a range of activities using diesel-fueled engines.[7] High-volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic (e.g., distribution centers and truck stops) were identified as posing the highest risk to adjacent receptors. Other facilities associated with increased risk include warehouse distribution centers, large retail or industrial facilities, high-volume transit centers, and schools with a high volume of bus traffic. Health risks from TACs are a function of both concentration and duration of exposure.

Unlike TACs emitted from industrial and other stationary sources noted above, most diesel particulate matter (DPM) is emitted from mobile sources—primarily "off-road" sources such as construction and mining equipment, agricultural equipment, and truck-mounted refrigeration units, as well as "on-road" sources such as trucks and buses traveling on freeways and local roadways.

[7] CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

Although not specifically monitored, recent studies indicate that exposure to DPM may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.[8] The technology for reducing DPM emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to regulate engines and emission control systems to reduce and remediate diesel emissions. The CARB anticipated that by 2020, average statewide DPM concentrations will decrease by 85 percent from levels in 2000 with full implementation of the CARB's Diesel Risk Reduction Plan,[9] meaning that the statewide health risk from DPM is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. The CARB 2000 Diesel Risk Reduction Plan is still the most recent version and has not been updated.

Table A summarizes the sources and health effects of air pollutants discussed in this section. Table B presents a summary of CAAQS and NAAQS.

Table A: Sources and Health Effects of Air Pollutants

Pollutants	Sources	Primary Effects
Carbon Monoxide (CO)	● Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust ● Natural events, such as decomposition of organic matter	● Reduced tolerance for exercise ● Impairment of mental function ● Impairment of fetal development ● Death at high levels of exposure ● Aggravation of some heart diseases (angina)
Nitrogen Dioxide (NO_2)	● Motor vehicle exhaust ● High temperature stationary combustion ● Atmospheric reactions	● Aggravation of respiratory illness ● Reduced visibility ● Reduced plant growth ● Formation of acid rain
Ozone (O_3)	● Atmospheric reaction of organic gases with nitrogen oxides in sunlight	● Aggravation of respiratory and cardiovascular diseases ● Irritation of eyes ● Impairment of cardiopulmonary function ● Plant leaf injury
Lead (Pb)	● Contaminated soil	● Impairment of blood functions and nerve construction ● Behavioral and hearing problems in children
Suspended Particulate Matter ($PM_{2.5}$ and PM_{10})	● Stationary combustion of solid fuels ● Construction activities ● Industrial processes ● Atmospheric chemical reactions	● Reduced lung function ● Aggravation of the effects of gaseous pollutants ● Aggravation of respiratory and cardiorespiratory diseases ● Increased cough and chest discomfort ● Soiling ● Reduced visibility
Sulfur Dioxide (SO_2)	● Combustion of sulfur-containing fossil fuels ● Smelting of sulfur-bearing metal ores Industrial processes	● Aggravation of respiratory diseases (asthma, emphysema) ● Reduced lung function ● Irritation of eyes ● Reduced visibility ● Plant injury ● Deterioration of metals, textiles, leather, finishes, coatings, etc.

Source: California Air Resources Board (2015).

8 CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

9 Ibid.

Table B: Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]		Federal Standards[b]		
		Concentration[c]	Method[d]	Primary[c,e]	Secondary[c,f]	Method[g]
Ozone (O_3)[h]	1-Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[i]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[i]	24-Hour	-		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³		
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m³)	–	Non-Dispersive Infrared Photometry (NDIR)
	1-Hour	20 ppm (23 mg/m³)		35 ppm (40 mg/m³)		
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[j]	Annual Arithmetic Mean	0.03 ppm (57 µg/m³)	Gas Phase Chemi-luminescence	53 ppb (100 µg/m³)	Same as Primary Standard	Gas Phase Chemi-luminescence
	1-Hour	0.18 ppm (339 µg/m³)		100 ppb (188 µg/m³)	-	
Lead (Pb)[l,m]	30-Day Average	1.5 µg/m³	Atomic Absorption	–	–	High-Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[l]	Same as Primary Standard	
	Rolling 3-Month Average[i]	–		0.15 µg/m³		
Sulfur Dioxide (SO_2)[k]	24-Hour	0.04 ppm (105 µg/m³)	Ultraviolet Fluorescence	0.14 ppm (for certain areas)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3-Hour	–		–	0.5 ppm (1300 µg/m³)	
	1-Hour	0.25 ppm (655 µg/m³)		75 ppb (196 µg/m³)[k]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[k]	–	
Visibility-Reducing Particles[l]	8-Hour	See footnote n	Beta Attenuation and Transmittance through Filter Tape.	No Federal Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[j]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Source: California Air Resources Board (2016) (Website: https://www.arb.ca.gov/research/aaqs/aaqs2.pdf).

Table notes are provided on the following page.

[a] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[b] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact USEPA for further clarification and current national policies.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

[e] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[f] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[g] Reference method as described by the USEPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the USEPA.

[h] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24- hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[j] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[k] On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[l] The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[m] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[n] In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

°C = degrees Celsius
µg/m^3 = micrograms per cubic meter
CARB = California Air Resources Board
mg/m^3 = milligrams per cubic meter
ppb = parts per billion
ppm = parts per million
USEPA = United States Environmental Protection Agency

ENERGY

Electricity

Electricity is a manmade resource. The production of electricity requires the consumption or conversion of energy resources (including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources) into energy. Electricity is used for a variety of purposes (e.g., lighting, heating, cooling, and refrigeration, and for operating appliances, computers, electronics, machinery, and public transportation systems).

According to the most recent data available, in 2020, California's electricity was generated primarily by natural gas (37.06 percent), renewable sources (33.09 percent), large hydroelectric (12.21 percent), nuclear (9.33 percent), coal (2.74 percent), and other and unspecified sources. Total electric generation in California in 2020 was 272,576 gigawatt-hours (GWh), down 2 percent from the 2019 total generation of 277,704 GWh.[10]

The project site is within the service territory of Southern California Edison (SCE). SCE provides electricity to more than 15 million people in a 50,000-square-mile (sq mi) area of Central, Coastal, and Southern California.[11] According to the California Energy Commission (CEC), total electricity consumption in the SCE service area in 2021 was 103,045 GWh (36,375 GWh for the residential sector and 51,057 GWh for the non-residential sector). Total electricity consumption in Riverside County in 2021 was 16,767.2 GWh (16,767,235,877 kilowatt-hours (kWh).[12]

Natural Gas

Natural gas is a non-renewable fossil fuel. Fossil fuels are formed when layers of decomposing plant and animal matter are exposed to intense heat and pressure under the surface of the Earth over millions of years. Natural gas is a combustible mixture of hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas is found in naturally occurring reservoirs in deep underground rock formations. Natural gas is used for a variety of uses (e.g., heating buildings, generating electricity, and powering appliances such as stoves, washing machines and dryers, gas fireplaces, and gas grills).

Natural gas consumed in California is used for electricity generation (45 percent), residential uses (21 percent), industrial uses (25 percent), and commercial uses (9 percent). California continues to depend on out-of-state imports for nearly 90 percent of its natural gas supply.[13]

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10 California Energy Commission (CEC). 2021a. *2020 Total System Electric Generation*. Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2020-total-system-electric-generation (accessed March 2023).

11 Southern California Edison (SCE). 2020. About Us. Website: https://www.sce.com/about-us/who-we-are (accessed March 2023).

12 CEC. 2020a. Electricity Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/elecbycounty.aspx and http://www.ecdms.energy.ca.gov/elecbyutil.aspx (accessed March 2023).

13 CEC. 2021b. Supply and Demand of Natural Gas in California. Website: https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california (accessed March 2023).

The Southern California Gas Company (SoCalGas) is the natural gas service provider for the project site. SoCalGas provides natural gas to approximately 21.8 million people in a 24,000 sq mi service area throughout Central and Southern California, from Visalia to the Mexican border.[14] According to the CEC, total natural gas consumption in the SoCalGas service area in 2021 was 6,755 million therms (2,308 million therms for the residential sector). Total natural gas consumption in Riverside County in 2021 was 580 million therms (580,187,556 therms).[15]

Fuel

Petroleum is also a non-renewable fossil fuel. Petroleum is a thick, flammable, yellow-to-black mixture of gaseous, liquid, and solid hydrocarbons that occurs naturally beneath the earth's surface. Petroleum is primarily recovered by oil drilling. It is refined into a large number of consumer products, primarily fuel oil, gasoline, and diesel.

The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.9 mpg in 2020.[16] Federal fuel economy standards have changed substantially since the Energy Independence and Security Act was passed in 2007. The Act, which originally mandated a national fuel economy standard of 35 mpg by year 2020[17], applies to cars and light trucks of Model Years 2011 through 2020. In March 2020, the United States Environmental Protection Agency (USEPA) and National Highway Traffic Safety Administration (NHTSA) finalized the Corporate Average Fuel Economy (CAFE) standards for Model Years 2024–2026 Passenger Cars and Light Trucks, further detailed below.

Gasoline is the most used transportation fuel in California, with 97 percent of all gasoline being consumed by light-duty cars, pickup trucks, and sport utility vehicles. According to the most recent data available, total gasoline consumption in California was 289,918 thousand barrels or 1,464.7 trillion British Thermal Units (BTU) in 2020.[18] Of the total gasoline consumption, 273,289 thousand barrels or 1,380.7 trillion BTU were consumed for transportation.[19] Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately

14 Southern California Gas Company (SoCalGas). 2020. About SoCalGas. Website: https://www3.socalgas.com/about-us/company-profile (accessed March 2023).

15 CEC. 2020b. Gas Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/gasbycounty.aspx and http://www.ecdms.energy.ca.gov/gasbyutil.aspx (accessed March 2023).

16 U.S. Department of Transportation (USDOT). "Table 4-23: Average Fuel Efficiency of U.S. Light Duty Vehicles." Website: https://www.bts.dot.gov/bts/bts/content/average-fuel-efficiency-us-light-duty-vehicles (accessed March 2023).

17 U.S. Department of Energy. 2007. "Energy Independence & Security Act of 2007." Website: https://www.afdc.energy.gov/laws/eisa (accessed March 2023).

18 A British Thermal Unit is defined as the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit.

19 U.S. Department of Energy, Energy Information Administration (EIA). 2021a. California State Profile and Energy Estimates. Table F3: Motor gasoline consumption, price, and expenditure estimates, 2020. Website: eia.gov/state/seds/data.php?incfile=/state/seds/sep_fuel/html/fuel_mg.html&sid=CA (accessed March 2023).

755.0 million gallons of gasoline and approximately 299.1 million gallons of diesel will be consumed from vehicle trips in Riverside County in 2023.

GREENHOUSE GASES AND GLOBAL CLIMATE CHANGE

Global climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans in recent decades. The Earth's average near-surface atmospheric temperature rose 0.6 ± 0.2° Celsius (°C) or 1.1 ± 0.4° Fahrenheit (°F) in the 20th century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide (CO_2) and other GHGs are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities, and lead to an increase in the greenhouse effect.[20]

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- CO_2
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF_6)

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally-occurring GHGs such as CO_2, methane, and N_2O, some gases, like HFCs, PFCs, and SF_6 are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above.

[20] The temperature on Earth is regulated by a system commonly known as the "greenhouse effect." Just as the glass in a greenhouse lets heat from sunlight in and reduces the heat escaping, greenhouse gases like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, although an excess of greenhouse gas results in global warming, the naturally occurring greenhouse effect is necessary to keep our planet at a comfortable temperature.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The global warming potential is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to carbon dioxide, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e). Table C shows the GWP for each type of GHG. For example, SF_6 is 23,900 times more potent at contributing to global warming than CO_2.

Table C: Global Warming Potential of Greenhouse Gases

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-Year Time Horizon)
Carbon Dioxide	50-200	1
Methane	12	25
Nitrous Oxide	114	310
HFC-23	270	11,700
HFC-134a	14	140
HFC-152a	1.4	140
PFC: Tetrafluoromethane (CF_4)	50,000	6,500
PFC: Hexafluoromethane (C_2F_6)	10,000	9,200
Sulfur Hexafluoride (SF_6)	3,200	23,900

Source: *Second Update to the Climate Change Scoping Plan: Building on the Framework* (CARB 2017). Website: www.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2017-scoping-plan-documents (accessed March 2023).
HFC = hydrofluorocarbons
PFC = perfluorocarbons

The following discussion summarizes the characteristics of the six GHGs and black carbon.

Carbon Dioxide

In the atmosphere, carbon generally exists in its oxidized form, as carbon dioxide (CO_2). Natural sources of CO_2 include the respiration (breathing) of humans, animals, and plants, volcanic out gassing, decomposition of organic matter and evaporation from the oceans. Human caused sources of CO_2 include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. Natural sources release approximately 150 billion tons of CO_2 each year, far outweighing the 7 billion tons of manmade emissions of CO_2 each year. Nevertheless, natural removal processes, such as photosynthesis by land- and ocean-dwelling plant species, cannot keep pace with this extra input of manmade CO_2, and consequently, the gas is building up in the atmosphere.

In 2020, total annual CO_2 accounted for approximately 80.2 percent of California's overall GHG emissions.[21] Transportation is the single largest source of CO_2 in California, which is primarily

[21] CARB. 2022b. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed March 2023).

comprised of on-road travel. Electricity production, industrial and residential sources also make important contributions to CO_2 emissions in California.

Methane

Methane (CH_4) is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Decomposition occurring in landfills accounts for the majority of human-generated CH_4 emissions in California and in the United States as a whole. Agricultural processes such as intestinal fermentation, manure management, and rice cultivation are also significant sources of CH_4 in California. Total annual emissions of CH_4 accounted for approximately 10.5 percent of GHG emissions in California in 2020.[22]

Nitrous Oxide

Nitrous oxide (N_2O) is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. Nitrous oxide is a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion emit N_2O, and the quantity emitted varies according to the type of fuel, technology, and pollution control device used, as well as maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N_2O emissions in California. Nitrous oxide emissions accounted for approximately 3.5 percent of GHG emissions in California in 2020.[23]

Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride

HFCs are primarily used as substitutes for ozone-depleting substances regulated under the Montreal Protocol.[24] PFCs and SF_6 are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry leads to greater use of PFCs. HFCs, PFCs, and SF_6 accounted for about 5.5 percent of GHG emissions in California in 2020.[25]

Black Carbon

Black carbon is the most strongly light-absorbing component of PM formed by burning fossil fuels such as coal, diesel, and biomass. Black carbon is emitted directly into the atmosphere in the form of $PM_{2.5}$ and is the most effective form of PM, by mass, at absorbing solar energy. Per unit of mass in the atmosphere, black carbon can absorb one million times more energy than CO_2.[26] Black carbon

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22 CARB. 2022b. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed March 2023).

23 Ibid.

24 The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for ozone depletion.

25 CARB. 2022b. op. cit.

26 U.S. Environmental Protection Agency (USEPA). 2015. Black Carbon, Basic Information. February 14, 2017. Website: 19january2017snapshot.epa.gov/www3/airquality/blackcarbon/basic.html (accessed March 2023).

contributes to climate change both directly, such as absorbing sunlight, and indirectly, such as affecting cloud formation. However, because black carbon is short-lived in the atmosphere, it can be difficult to quantify its effect on global warming.

Most U.S. emissions of black carbon come from mobile sources (52 percent), particularly from diesel-fueled vehicles. The other major source of black carbon is open biomass burning, including wildfires, although residential heating and industry also contribute. The CARB estimates that the annual black carbon emissions in California will be reduced approximately 50 percent below 2013 levels by 2030.[27]

[27] CARB. 2017b. *Short-Lived Climate Pollutant Reduction Strategy.* March. Website: https://ww2.arb.ca.gov/sites/default/files/2020-07/final_SLCP_strategy.pdf (accessed March 2023).

REGULATORY SETTING

AIR QUALITY REGULATIONS

The USEPA and the CARB regulate direct emissions from motor vehicles. The SCAQMD is the regional agency primarily responsible for regulating air pollution emissions from stationary sources (e.g., factories) and indirect sources (e.g., traffic associated with new development), as well as monitoring ambient pollutant concentrations.

Federal Regulations

Federal Clean Air Act

The 1970 federal Clean Air Act (CAA) authorized the establishment of national health-based air quality standards and also set deadlines for their attainment. The Federal Clean Air Act Amendments of 1990 changed deadlines for attaining national standards as well as the remedial actions required of areas of the nation that exceed the standards. Under the Clean Air Act, State and local agencies in areas that exceed the national standards are required to develop State Implementation Plans to demonstrate how they will achieve the national standards by specified dates.

State Regulations

California Clean Air Act

In 1988, the California Clean Air Act (CCAA) required that all air districts in the State endeavor to achieve and maintain CAAQS for CO, O_3, SO_2, and NO_2 by the earliest practical date. The California Clean Air Act provides districts with authority to regulate indirect sources and mandates that air quality districts focus particular attention on reducing emissions from transportation and area-wide emission sources. Each nonattainment district is required to adopt a plan to achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each nonattainment pollutant or its precursors. A Clean Air Plan shows how a district would reduce emissions to achieve air quality standards. Generally, the State standards for these pollutants are more stringent than the national standards.

California Air Resources Board

The CARB is the State's "clean air agency." The CARB's goals are to attain and maintain healthy air quality, protect the public from exposure to toxic air contaminants, and oversee compliance with air pollution rules and regulations.

Assembly Bill 2588 Air Toxics "Hot Spots" Information and Assessment Act. Under Assembly Bill (AB) 2588, stationary sources of air pollutants are required to report the types and quantities of certain substances their facilities routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, determine health risks, and notify nearby residents of significant risks.

The California Air Resources Board Handbook. The CARB has developed an Air Quality and Land Use Handbook[28] which is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. According to the CARB Handbook, air pollution studies have shown an association between respiratory and other non-cancer health effects and proximity to high traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that county and city planning agencies strongly consider proximity to these sources when finding new locations for "sensitive" land uses such as homes, medical facilities, daycare centers, schools, and playgrounds.

Land uses that can produce air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners, and large gasoline service stations. Key recommendations in the CARB Handbook include taking steps to avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day or rural roads with 50,000 vehicles/day;
- Within 1,000 feet of a major service and maintenance rail yard;
- Immediately downwind of ports (in the most heavily impacted zones) and petroleum refineries;
- Within 300 feet of any dry cleaning operation (for operations with two or more machines, provide 500 feet); and
- Within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater).

The CARB Handbook specifically states that its recommendations are advisory and acknowledges land use agencies have to balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.

The recommendations are generalized and do not consider site-specific meteorology, freeway truck percentages, or other factors that influence risk for a particular project site. The purpose of this guidance is to help land use agencies determine when to further examine project sites for actual health risk associated with the location of new sensitive land uses.

Regional Regulations

South Coast Air Quality Management District

The SCAQMD has jurisdiction over most air quality matters in the South Coast Air Basin (Basin). This area includes all of Orange County, Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of

[28] CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective.* April.

Riverside County. The SCAQMD is the agency principally responsible for comprehensive air pollution control in the Basin and is tasked with implementing certain programs and regulations required by the CAA and the CCAA. The SCAQMD prepares plans to attain CAAQS and NAAQS. SCAQMD is directly responsible for reducing emissions from stationary (area and point) sources. The SCAQMD develops rules and regulations, establishes permitting requirements, inspects emissions sources, and enforces such measures though educational programs or fines, when necessary.

The proposed project could be subject to the following SCAQMD rules and regulations:

- **Regulation IV - Prohibitions:** This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air pollutant emissions, fuel contaminants, start-up/shutdown exemptions, and breakdown events.
    - **Rule 402 - Nuisance:** This rule restricts the discharge of any contaminant in quantities that cause or have a natural ability to cause injury, damage, nuisance, or annoyance to businesses, property, or the public.
    - **Rule 403 - Fugitive Dust:** This rule requires the prevention, reduction, or mitigation of fugitive dust emissions from a project site. Rule 403 restricts visible fugitive dust to a project property line, restricts the net PM_{10} emissions to less than 50 µg/m^3 and restricts the tracking out of bulk materials onto public roads. Additionally, Rule 403 requires an applicant to utilize one or more of the best available control measures (identified in the tables within the rule). Control measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, Rule 403 requires that a contingency plan be prepared if so determined by the USEPA. In addition, SCAQMD Rule 403(e), Additional Requirements for Large Operations, includes requirements to provide Large Operation Notification Form 403 N, appropriate signage, additional dust control measures, and employment of a dust control supervisor that has successfully completed the Dust Control training class in the South Coast Air Basin.
- **Regulation XI - Source Specific Standards:** Regulation XI sets emissions standards for different sources.
    - **Rule 1113 - Architectural Coatings:** This rule limits the amount of VOCs from architectural coatings and solvents, which lowers the emissions of odorous compounds.

The SCAQMD is responsible for demonstrating regional compliance with AAQS but has limited indirect involvement in reducing emissions from fugitive, mobile, and natural sources. To that end, the SCAQMD works cooperatively with the CARB, the Southern California Association of Governments (SCAG), county transportation commissions, local governments, and other federal and State government agencies. It has responded to this requirement by preparing a series of Air Quality Management Plans (AQMPs) to meet CAAQS and NAAQS. SCAQMD and the SCAG are responsible for formulating and implementing the AQMP for the Basin. The main purpose of an AQMP is to bring

the area into compliance with federal and State air quality standards. Every 3 years, SCAQMD prepares a new AQMP, updating the previous plan and 20-year horizon.[29]

The Final 2022 Air Quality Management Plan is the currently adopted AQMP. Key elements of the Final 2022 AQMP include the following:

- Calculating and taking credit for co-benefits from other planning efforts (e.g., climate, energy, and transportation)
- A strategy with fair-share emission reductions at the federal, State, and local levels
- Investment in strategies and technologies meeting multiple air quality objectives
- Seeking new partnerships and significant funding for incentives to accelerate deployment of zero-emission and near-zero emission technologies
- Enhanced socioeconomic assessment, including an expanded environmental justice analysis
- Attainment of the 24-hour $PM_{2.5}$ standard in 2019 with no additional measures
- Attainment of the annual $PM_{2.5}$ standard by 2025 with implementation of a portion of the O_3 strategy
- Attainment of the 1-hour O_3 standard by 2022 with no reliance on "black box" future technology (CAA Section 182(e)(5) measures)

The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NO_x technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other CAA measures to achieve the 2015 8-hour ozone standard.

Southern California Association of Governments

SCAG is a council of governments for Los Angeles, Orange, Riverside, San Bernardino, Imperial, and Ventura Counties. It is a regional planning agency and serves as a forum for regional issues relating to transportation, the economy and community development, and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. With regard to air quality planning, SCAG prepares the Regional Transportation Plan (RTP) and Regional Transportation Improvement Program (RTIP), which address regional development and growth forecasts and form the basis for the land use and transportation control portions of the AQMP and are utilized in the preparation of the air

[29] SCAQMD. 2022. *Final 2022 Air Quality Management Plan*. December 2.

quality forecasts and consistency analysis included in the AQMP. The RTP, RTIP, and AQMP are based on projections originating within local jurisdictions.

Although SCAG is not an air quality management agency, it is responsible for developing transportation, land use, and energy conservation measures that affect air quality. SCAG's Regional Comprehensive Plan (RCP) provides growth forecasts that are used in the development of air quality-related land use and transportation control strategies by the SCAQMD. The RCP is a framework for decision-making for local governments, assisting them in meeting federal and State mandates for growth management, mobility, and environmental standards, while maintaining consistency with regional goals regarding growth and changes. Policies within the RCP include consideration of air quality, land use, transportation, and economic relationships by all levels of government.

SCAG adopted the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (Connect SoCal) on September 3, 2020. Connect SoCal is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Connect SoCal is an important planning document for the region, allowing project sponsors to qualify for federal funding and takes into account operations and maintenance costs, to ensure reliability, longevity, and cost effectiveness. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in Connect SoCal, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels).

Local Regulations

City of Hemet General Plan 2030

The City of Hemet addresses air quality in the Open Space and Conservation Element of the City of Hemet General Plan 2030.[30] The Open Space and Conservation Element contains policies that work to improve air quality and seek to reduce greenhouse gas emissions. The following policies are applicable to the proposed project:

- **OS-7.1. Development Design and Practices:** Reduce the amount of air pollution emissions from mobile and stationary sources and enhance the South Coast Air Basin by using best management practices in development proposals and project implementation.
- **OS-7.3. Alternative Vehicles:** Promote the use of fuel-efficient and low emission vehicles, including neighborhood electric vehicles (NEVs).
- **OS-7.6. Transportation Trip Management:** Encourage employers to implement transportation demand management (TDM) measure to reduce trips and vehicle miles traveled.

30 City of Hemet. 2012. *City of Hemet General Plan 2030*. January 24.

- **OS-7.8 Green Building Techniques:** Encourage green building techniques that improve indoor air quality, energy efficiency and conservation in buildings, and utilization of renewable energy sources.

- **OS-7.9. Stationary Source Pollution:** Continue to minimize stationary source pollution through the following:

    - Ensure that industrial and commercial land uses are meeting existing South Coast Air Quality Management air thresholds by adhering to established rules and regulations.

    - Encourage the use of new technology to neutralize harmful criteria pollutants from stationary sources.

    - Reduce exposure of the City's sensitive receptors to poor air quality nodes through smart land use decisions.

- **OS-7.10. Sensitive Receptors:** Locate sensitive receptors (i.e., residences, playgrounds, childcare centers, athletic facilities, churches, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes) away from significant pollution sources to the maximum extent feasible.

- **OS-7.11. Fugitive Dust:** Reduce the amount of fugitive dust released into the atmosphere by construction and demolition, materials handling, paved roads, unpaved roads, and stock piles through development standards and compliance with CEQA regulations.

- **OS-7-12. Best Management Practices:** Ensure all applicable best management practices are used in accordance with South Coast Air Quality Management District (SCAQMD) to reduce emitting criteria pollutants during construction.

ENERGY REGULATORY SETTING

Federal and State agencies regulate energy use and consumption through various means and programs. On the federal level, the U.S. Department of Transportation (USDOT), the United States Department of Energy, and the USEPA are three federal agencies with substantial influence over energy policies and programs. Generally, federal agencies influence and regulate transportation energy consumption through establishment and enforcement of fuel economy standards for automobiles and light trucks, through funding of energy-related research and development projects, and through funding for transportation infrastructure improvements. On the State level, the California Public Utilities Commission (CPUC) and the CEC are two agencies with authority over different aspects of energy.

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies and serves the public interest by protecting consumers and ensuring the provision of safe, reliable utility service and infrastructure at reasonable rates, with a commitment to environmental enhancement and a healthy California economy.

The CEC is the State's primary energy policy and planning agency. The CEC forecasts future energy needs, promotes energy efficiency, supports energy research, develops renewable energy resources, and plans for/directs state response to energy emergencies. The applicable federal, State, regional, and local regulatory framework is discussed below.

Federal Regulations

Energy Policy Act of 2005

The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under this Act, consumers and businesses can obtain federal tax credits for purchasing fuel-efficient appliances and products (including hybrid vehicles), building energy-efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are available for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

Corporate Average Fuel Economy (CAFE) Standards

On March 31, 2022, the National Highway Traffic Safety Administration (NHTSA) finalized the Corporate Average Fuel Economy (CAFE) standards for Model Years 2024–2026 Passenger Cars and Light Trucks. The amended CAFE standards would require an industry wide fleet average of approximately 49 mpg for passenger cars and light trucks in model year 2026, by increasing fuel efficiency by 8 percent annually for model years 2024–2025, and 10 percent annually for model year 2026. The final standards are estimated to save about 234 billion gallons of gas between model years 2030 to 2050.

State Regulations

Assembly Bill 1575, Warren-Alquist Act

In 1975, largely in response to the oil crisis of the 1970s, the State Legislature adopted AB 1575 (also known as the Warren-Alquist Act), which created the CEC. The statutory mission of the CEC is to forecast future energy needs; license power plants of 50 megawatts (MW) or larger; develop energy technologies and renewable energy resources; plan for and direct State responses to energy emergencies; and, perhaps most importantly, promote energy efficiency through the adoption and enforcement of appliance and building energy efficiency standards. AB 1575 also amended Public Resources Code (PRC) Section 21100(b)(3) and *State CEQA Guidelines* Section 15126.4 to require Environmental Impact Reports (EIRs) to include, where relevant, mitigation measures proposed to minimize the wasteful, inefficient, and unnecessary consumption of energy caused by a project. Thereafter, the State Resources Agency created Appendix F to the *State CEQA Guidelines*. Appendix F assists EIR preparers in determining whether a project will result in the inefficient, wasteful, and unnecessary consumption of energy. Appendix F of the *State CEQA Guidelines* also states that the goal of conserving energy implies the wise and efficient use of energy and the means of achieving this goal, including (1) decreasing overall per capita energy consumption; (2) decreasing reliance on fossil fuels such as coal, natural gas, and oil; and (3) increasing reliance on renewable energy sources.

Senate Bill 1389, Energy: Planning and Forecasting

In 2002, the State Legislature passed Senate Bill (SB) 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero emission vehicles (ZEVs) and their infrastructure needs, and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

In compliance with the requirements of SB 1389, the CEC adopts an Integrated Energy Policy Report every 2 years and an update every other year. The most recently adopted report includes the *2021 Integrated Energy Policy Report*[31] and the *2022 Integrated Energy Policy Report Update.*[32] The *Integrated Energy Policy Report* covers a broad range of topics, including decarbonizing buildings, integrating renewables, energy efficiency, energy equity, integrating renewable energy, updates on Southern California electricity reliability, climate adaptation activities for the energy sector, natural gas assessment, transportation energy demand forecast, and the California Energy Demand Forecast. The *Integrated Energy Policy Report* provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs.

Renewable Portfolio Standard

SB 1078 established the California Renewable Portfolio Standards program in 2002. SB 1078 initially required that 20 percent of electricity retail sales be served by renewable resources by 2017; however, this standard has become more stringent over time. In 2006, SB 107 accelerated the standard by requiring that the 20 percent mandate be met by 2010. In April 2011, SB 2 required that 33 percent of electricity retail sales be served by renewable resources by 2020. In 2015, SB 350 established tiered increases to the Renewable Portfolio Standards of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. In 2018, SB 100 increased the requirement to 60 percent by 2030 and required that all the State's electricity come from carbon-free resources by 2045. SB 100 took effect on January 1, 2019.[33]

Title 24, California Building Code

Energy consumption by new buildings in California is regulated by the Building Energy Efficiency Standards, embodied in Title 24 of the California Code of Regulations (CCR), known as the California Building Code (CBC). The CEC first adopted the Building Energy Efficiency Standards for Residential

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31 CEC. 2021a. *2021 Integrated Energy Policy Report*. California Energy Commission. Docket Number: 21-IEPR-01.

32 CEC. 2022. *2020 Integrated Energy Policy Report Update*. California Energy Commission. Docket Number: 22-IEPR-01.

33 California Public Utilities Commission (CPUC). 2019. Renewables Portfolio Standard Program. Website: cpuc.ca.gov/rps (accessed March 2023).

and Non-residential Buildings in 1978 in response to a legislative mandate to reduce energy consumption in the State. The CBC is updated every 3 years, with the most recent update consisting of the 2022 CBC that became effective January 1, 2023. The efficiency standards apply to both new construction and rehabilitation of both residential and non-residential buildings, and regulate energy consumed for heating, cooling, ventilation, water heating, and lighting. The building efficiency standards are enforced through the local building permit process. Local government agencies may adopt and enforce energy standards for new buildings, provided these standards meet or exceed those provided in CCR Title 24.

California Green Building Standards Code (CALGreen Code)

In 2010, the California Building Standards Commission (CBSC) adopted Part 11 of the Title 24 Building Energy Efficiency Standards, referred to as the California Green Building Standards Code (CALGreen Code). The CALGreen Code took effect on January 1, 2011. The CALGreen Code is updated on a regular basis, with the most recent update consisting of the 2022 CALGreen Code standards that became effective January 1, 2023. The CALGreen Code established mandatory measures for residential and non-residential building construction and encouraged sustainable construction practices in the following five categories: (1) planning and design, (2) energy efficiency, (3) water efficiency and conservation, (4) material conservation and resource efficiency, and (5) indoor environmental quality. Although the CALGreen Code was adopted as part of the State's efforts to reduce greenhouse gas (GHG) emissions, the CALGreen Code standards have co-benefits of reducing energy consumption from residential and non-residential buildings subject to the standard.

California Energy Efficiency Strategic Plan

On September 18, 2008, the CPUC adopted California's first Long-Term Energy Efficiency Strategic Plan, presenting a roadmap for energy efficiency in California. The Plan articulates a long-term vision and goals for each economic sector and identifies specific near-term, mid-term, and long-term strategies to assist in achieving those goals. The Plan also reiterates the following four specific programmatic goals known as the "Big Bold Energy Efficiency Strategies" that were established by the CPUC in Decisions D.07-10-032 and D.07-12-051:

- All new residential construction will be zero net energy (ZNE) by 2020.
- All new commercial construction will be ZNE by 2030.
- 50 percent of commercial buildings will be retrofitted to ZNE by 2030.
- 50 percent of new major renovations of State buildings will be ZNE by 2025.

Regional Regulations

There are no regional regulations that apply to the proposed project.

Local Regulations

City of Hemet General Plan 2030

The City of Hemet addresses energy in the Open Space and Conservation Element of the City of Hemet General Plan 2030.[34] The Open Space and Conservation Element contains policies that work to conserve energy resources through the use of available technology and conservation practices. The following policies are applicable to the proposed project:

- **OS-6.1. CALGreen Standards:** Encourage the efficient use of energy resources by residential, commercial, and industrial users by requiring project proposals to incorporate energy-efficient products and techniques into their designs in accordance with adopted California Green Building Standards Code standards and other development standards.

- **OS-6.5. Clean Energy:** Support the use and production of clean energy resources through green technology and programs that promote wind, solar, renewable, biomass, and cogenerating energy sources, where compatible with adjacent uses.

- **OS-6.6. Solar Energy:** Encourage existing or new structures to maximize solar access by promoting passive solar energy design, natural ventilation, effective use of daylight, and on-site solar generation.

- **OS-6.7. Recycling:** promote the use of recycling and recycled materials in development projects and consumable products.

GREENHOUSE GAS REGULATORY SETTING

This section describes regulations related to GHGs at the federal, State, and local level.

Federal Regulations

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO_2 emissions under the CAA. While there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change.

This includes the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the Clean Air Act, finding that six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, SF_6) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

In October 2012, the USEPA and the NHTSA, on behalf of the U.S. Department of Transportation, issued final rules to further reduce GHG emissions and improve CAFE standards for light-duty vehicles for model years 2017 and beyond (77 *Federal Register* 62624). The NHTSA's CAFE standards

[34] City of Hemet. 2012. op. cit.

have been enacted under the Energy Policy and Conservation Act since 1978. This national program requires automobile manufacturers to build a single light-duty national fleet that meets all requirements under both federal programs and the standards of California and other states. This program would increase fuel economy to the equivalent of 54.5 miles per gallon, limiting vehicle emissions to 163 grams of CO_2 per mile for the fleet of cars and light-duty trucks by model year 2025 (77 *Federal Register* 62630).

On March 31, 2022, the NHTSA finalized the CAFE standards for Model Years 2024–2026 Passenger Cars and Light Trucks. The amended CAFE standards would require an industry wide fleet average of approximately 49 mpg for passenger cars and light trucks in model year 2026, by increasing fuel efficiency by 8 percent annually for model years 2024–2025, and 10 percent annually for model year 2026. The final standards are estimated to save about 234 billion gallons of gas between model years 2030 to 2050.

State Regulations

The CARB is the lead agency for implementing climate change regulations in the State. Since its formation, the CARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems. Key efforts by the State are described below.

Assembly Bill 1493 (2002)

In a response to the transportation sector's significant contribution to California's CO_2 emissions, AB 1493 was enacted on July 22, 2002. AB 1493 requires the CARB to set GHG emission standards for passenger vehicles and light duty trucks (and other vehicles whose primary use is noncommercial personal transportation in the State) manufactured in 2009 and all subsequent model years. These standards (starting in model years 2009 to 2016) were approved by the CARB in 2004, but the needed waiver of CCAA Preemption was not granted by the USEPA until June 30, 2009. The CARB responded by amending its original regulation, now referred to as Low Emission Vehicle III, to take effect for model years starting in 2017 to 2025. The Trump administration revoked California's waiver in 2019; however, the Biden administration restored California's waiver in 2021.

Executive Order S-3-05 (2005)

Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05 on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those concerns, the executive order established California's GHG emissions reduction targets, which established the following goals:

- GHG emissions should be reduced to 2000 levels by 2010;
- GHG emissions should be reduced to 1990 levels by 2020; and
- GHG emissions should be reduced to 80 percent below 1990 levels by 2050.

The Secretary of the California Environmental Protection Agency (CalEPA) is required to coordinate efforts of various State agencies in order to collectively and efficiently reduce GHGs. A biannual progress report must be submitted to the Governor and State Legislature disclosing the progress made toward GHG emission reduction targets. In addition, another biannual report must be

submitted illustrating the impacts of global warming on California's water supply, public health, agriculture, the coastline, and forestry, and report possible mitigation and adaptation plans to address these impacts.

The Secretary of CalEPA leads this CAT made up of representatives from State agencies as well as numerous other boards and departments. The CAT members work to coordinate statewide efforts to implement global warming emission reduction programs and the State's Climate Adaptation Strategy. The CAT is also responsible for reporting on the progress made toward meeting the statewide GHG targets that were established in the executive order and further defined under AB 32, the "Global Warming Solutions Act of 2006." The first CAT Report to the Governor and the Legislature was released in March 2006, which it laid out 46 specific emission reduction strategies for reducing GHG emissions and reaching the targets established in the executive order. The most recent report was released in December 2020.

Assembly Bill 32 (2006), California Global Warming Solutions Act

California's major initiative for reducing GHG emissions is AB 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. The CARB has established the level of GHG emissions in 1990 at 427 million metric tons (MMT) of CO_2e. The emissions target of 427 MMT requires the reduction of 169 MMT from the State's projected business-as-usual 2020 emissions of 596 MMT. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The Scoping Plan was approved by the CARB on December 11, 2008, and contains the main strategies California will implement to achieve the reduction of approximately 169 MMT CO_2e, or approximately 30 percent, from the State's projected 2020 emissions level of 596 MMT CO_2e under a business-as-usual scenario (this is a reduction of 42 MMT CO_2e, or almost 10 percent from 2002–2004 average emissions). The Scoping Plan also includes CARB-recommended GHG reductions for each emissions sector of the State's GHG inventory. The Scoping Plan calls for the largest reductions in GHG emissions to be achieved by implementing the following measures and standards:

- Improved emissions standards for light-duty vehicles (estimated reductions of 31.7 MMT CO_2e);
- The Low-Carbon Fuel Standard (15.0 MMT CO_2e);
- Energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems (26.3 MMT CO_2e); and
- A renewable portfolio standard for electricity production (21.3 MMT CO_2e).

The Scoping Plan identifies 18 emission reduction measures that address cap-and-trade programs, vehicle gas standards, energy efficiency, low carbon fuel standards, renewable energy, regional transportation-related GHG targets, vehicle efficiency measures, goods movement, solar roof programs, industrial emissions, high speed rail, green building strategies, recycling, sustainable forests, water, and air. The measures would result in a total reduction of 174 MMT CO_2e by 2020.

On August 24, 2011, the CARB unanimously approved both the new supplemental assessment and reapproved its Scoping Plan, which provides the overall roadmap and rule measures to carry out AB 32. The CARB also approved a more robust CEQA equivalent document supporting the supplemental analysis of the cap-and-trade program. The cap-and-trade took effect on January 1, 2012, with an enforceable compliance obligation that began January 1, 2013.

CARB has not yet determined what amount of GHG reductions it recommends from local government operations and local land use decisions; however, the Scoping Plan states that land use planning and urban growth decisions will play an important role in the State's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions (meanwhile, CARB is also developing an additional protocol for community emissions). CARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that would result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emission sectors. The Scoping Plan states that the ultimate GHG reduction assignment to local government operations is to be determined. With regard to land use planning, the Scoping Plan expects an approximately 5.0 MMT CO_2e reduction due to implementation of SB 375.

In addition to reducing GHG emissions to 1990 levels by 2020, AB 32 directed the CARB and the CAT to identify a list of "discrete early action GHG reduction measures" that could be adopted and made enforceable by January 1, 2010. On January 18, 2007, Governor Schwarzenegger signed EO S-1-07, further solidifying California's dedication to reducing GHGs by setting a new Low Carbon Fuel Standard (LCFS). This executive order sets a target to reduce the carbon intensity of California transportation fuels by at least 10 percent by 2020 and directs the CARB to consider the LCFS as a discrete early action measure. In 2011, U.S. District Court Judge Lawrence O'Neil issued an injunction preventing implementation of the LCFS, ruling that it is unconstitutional. In 2012, the Ninth Circuit Court of Appeal stayed the District Court's injunction, allowing implementation of the LCFS. The Ninth Circuit decided to uphold the LCFS.

In June 2007, the CARB approved a list of 37 early action measures, including three discrete early action measures (LCFS, Restrictions on GWP Refrigerants, and Landfill CH_4 Capture).[35] Discrete early action measures are measures that were required to be adopted as regulations and made effective no later than January 1, 2010, the date established by Health and Safety Code Section 38560.5. The CARB adopted additional early action measures in October 2007 that tripled the number of discrete early action measures. These measures relate to truck efficiency, port electrification, reduction of PFCs from the semiconductor industry, reduction of propellants in consumer products, proper tire inflation, and SF_6 reductions from the non-electricity sector. The combination of early action measures is estimated to reduce statewide GHG emissions by nearly 16 MMT.[36]

The CARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission

35 CARB. 2007b. *Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California Recommended for Board Consideration*. October.

36 CARB. 2007a. "ARB approves tripling of early action measures required under AB 32" News Release 07-46. October 25.

reductions through strategic planning and targeted low carbon investments. The First Update defines CARB climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in EOs S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[37] to reflect the 2030 target set by EO B-30-15 and codified by SB 32.

The 2022 Scoping Plan[38] was approved in December 2022 and assesses progress towards achieving the SB 32 2030 target and lay out a path to achieve carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

Senate Bill 97 (2007)

SB 97, signed by the Governor in August 2007 (Chapter 185, Statutes of 2007; Public Resources Code [PRC], Sections 21083.05 and 21097), acknowledges climate change is a prominent environmental issue that requires analysis under CEQA. This bill directed the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the California Resources Agency guidelines for mitigating GHG emissions or the effects of GHG emissions, as required by CEQA.

The California Natural Resources Agency adopted the amendments to the *State CEQA Guidelines* in November 2018, which went into effect in December 2018. The amendments do not identify a threshold of significance for GHG emissions, nor do they prescribe assessment methodologies or specific mitigation measures. The amendments encourage lead agencies to consider many factors in performing a CEQA analysis, but preserve the discretion granted by CEQA to lead agencies in making their own determinations based on substantial evidence. The amendments also encourage public agencies to make use of programmatic mitigation plans and programs when they perform individual project analyses.

Senate Bill 375 (2008)

SB 375, the Sustainable Communities and Climate Protection Act, which establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions, was adopted by the State on September 30, 2008. On September 23, 2010, the CARB adopted the vehicular GHG emissions reduction targets that had been developed in consultation with the Metropolitan Planning Organization (MPOs); the targets require a 6 to 15 percent reduction by 2020 and between 13 to 19 percent reduction by 2035 for each MPO. SB 375 recognizes the importance of achieving significant GHG reductions by working with cities and counties to change land use patterns and improve transportation alternatives. Through the SB 375 process, MPOs such as the Fresno Council

37 CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

38 CARB. 2021. *2022 Scoping Plan Update*. May 10. Website: https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp.pdf (accessed March 2023).

of Governments will work with local jurisdictions in the development of Sustainable Communities Strategy (SCS) designed to integrate development patterns and the transportation network in a way that reduces GHG emissions while meeting housing needs and other regional planning objectives. Pursuant to SB 375, the Los Angeles/Southern California reduction targets for per capita vehicular emissions were 8 percent by 2020 and are 19 percent by 2035 as shown in Table D.

Table D: Senate Bill 375 Regional Greenhouse Gas Emissions Reduction Targets

Metropolitan Planning Organization	By 2020 (percent)	By 2035 (percent)
San Francisco Bay Area	10	19
San Diego	15	19
Sacramento	7	19
Central Valley/San Joaquin	6–13	13–16
Los Angeles/Southern California	8	19

Source: California Air Resources Board (2018).

Executive Order B-30-15 (2015)

Governor Jerry Brown signed EO B-30-15 on April 29, 2015, which added the immediate target of:

- GHG emissions should be reduced to 40 percent below 1990 levels by 2030.

All State agencies with jurisdiction over sources of GHG emissions were directed to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 targets. CARB was directed to update the AB 32 Scoping Plan to reflect the 2030 target, and therefore, is moving forward with the update process. The mid-term target is critical to help frame the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure needed to continue reducing emissions.

Senate Bill 350 (2015) Clean Energy and Pollution Reduction Act

SB 350, signed by Governor Jerry Brown on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's renewable portfolio standard from 33 percent to 50 percent; and
- Increasing energy efficiency in buildings by 50 percent by the year 2030.

The 50 percent renewable energy standard will be implemented by the CPUC for the private utilities and by the CEC for municipal utilities. Each utility must submit a procurement plan showing it will purchase clean energy to displace other non-renewable resources. The 50 percent increase in energy efficiency in buildings must be achieved through the use of existing energy efficiency retrofit funding and regulatory tools already available to state energy agencies under existing law. The addition made by this legislation requires State energy agencies to plan for and implement those programs in a manner that achieves the energy efficiency target.

Senate Bill 32, California Global Warming Solutions Act of 2016, and Assembly Bill 197

In summer 2016 the Legislature passed, and the Governor signed, SB 32, and AB 197. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an Intergovernmental Panel on Climate Change (IPCC) analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO_2e and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 meant to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which raises California's Renewables Portfolio Standard (RPS) requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a State policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant State agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Title 24, Part 11, Building Standards Code and CALGreen Code

In November 2008, the California Building Standards Commission established the California Green Building Standards Code (CALGreen Code), which sets performance standards for residential and non-residential development to reduce environmental impacts and encourage sustainable construction practices. The CALGreen Code addresses energy efficiency, water conservation, material conservation, planning and design, and overall environmental quality. The CALGreen Code is updated every 3 years and was most recently updated in 2019 to include new mandatory measures for residential as well as non-residential uses; the new measures took effect on January 1, 2020. The next set of standards were adopted in 2022 and will apply to projects seeking building permits on or after January 1, 2023.

California Building Efficiency Standards (Title 24, Part 6)

The California Building Standards Code, or Title 24 of the California Code of Regulations (CCR) contains the regulations that govern the construction of buildings in California. Within the Building Standards Code, two parts pertain to the incorporation of both energy efficient and green building elements into land use development. Part 6 is California's Energy Efficiency Standards for Residential and Non-Residential Buildings. These standards were first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption and are updated on an approximately 3-year cycle to allow consideration and possible incorporation of new energy efficient technologies and methods. All buildings for which an application for a building permit is submitted on or after January 1, 2020, must follow the 2019 standards. The next set of standards were adopted in 2022 and will apply to projects seeking building permits on or after January 1, 2023. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions.

Cap and Trade

The development of a cap-and-trade program was included as a key reduction measure of the CARB AB 32 Climate Change Scoping Plan. The cap-and-trade program will help put California on the path to meet its goal of reducing GHG emissions to 1990 levels by 2020 and ultimately achieving an 80 percent reduction from 1990 levels by 2050. The cap-and-trade emissions trading program developed by the CARB took effect on January 1, 2012, with enforceable compliance obligations beginning January 1, 2013. The cap-and-trade program aims to regulate GHG emissions from the largest producers in the State by setting a statewide firm limit, or cap, on allowable annual GHG emissions. The cap was set in 2013 at approximately 2 percent below the emissions forecast for 2020. In 2014, the cap declined approximately 2 percent. Beginning in 2015 and continuing through 2020, the cap has been declining approximately 3 percent annually. The CARB administered the first auction on November 14, 2012, with many of the qualified bidders representing corporations or organizations that produce large amounts of GHG emissions, including energy companies, agriculture and food industries, steel mills, cement companies, and universities. On January 1, 2015, compliance obligation began for distributors of transportation fuels, natural gas, and other fuels. The cap-and-trade program was initially slated to sunset in 2020 but the passage of SB 398 in 2017 extended the program through 2030.

Executive Order N-79-20

EO N-79-20, which was signed by the Governor on September 23, 2020, sets the following goals for the State: 100 percent of in-state sales of new passenger cars and trucks shall be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the State shall be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks; and 100 percent of off-road vehicles and equipment in the State shall be zero-emission by 2035, where feasible.

California Integrated Waste Management Act

To minimize the amount of solid waste that must be disposed of in landfills, the State Legislature passed the California Integrated Waste Management Act of 1989 (AB 939), effective January 1990. According to AB 939, all cities and counties were required to divert 25 percent of all solid waste from landfill facilities by January 1, 1995, and 50 percent by January 1, 2000. Through other statutes

and regulations, this 50 percent diversion rate also applies to State agencies. In order of priority, waste reduction efforts must promote source reduction, recycling and composting, and environmentally safe transformation and land disposal. In 2011, AB 341 modified the California Integrated Waste Management Act and directed the California Department of Resources Recycling and Recovery (CalRecycle) to develop and adopt regulations for mandatory commercial recycling. The resulting 2012 Mandatory Commercial Recycling Regulation requires that on and after July 1, 2012, certain businesses that generate four cubic yards or more of commercial solid waste per week shall arrange recycling services. To comply with this requirement, businesses may either separate recyclables and self-haul them or subscribe to a recycling service that includes mixed waste processing. AB 341 also established a statewide recycling goal of 75 percent; the 50 percent disposal reduction mandate still applies for cities and counties under AB 939, the Integrated Waste Management Act. In April 2016, AB 1826 further modified the California Integrated Waste Management Act, requiring businesses that generate a specified amount of organic waste per week to arrange for recycling services for that organic waste in a specified manner. If CalRecycle determines that statewide disposal of organic waste has not been reduced by 50 percent below 2014 levels by 2020, businesses generating more than two cubic yards of organic waste per week would be subject to these waste collection requirements. CalRecycle plans to make this assessment in the fall of 2020. Diverting organic waste from landfills reduces emissions of CH_4. This is equivalent to reducing anaerobic decomposition of organic waste that would have otherwise occurred in landfills where organic waste is often buried with other inorganic waste.

Low Carbon Fuel Standard

In January 2007, EO S-01-07 established an LCFS. This executive order calls for a statewide goal to be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020, and that an LCFS for transportation fuels be established for California. The LCFS applies to all refiners, blenders, producers, or importers ("Providers") of transportation fuels in California, including fuels used by off-road construction equipment. In June 2007, CARB adopted the LCFS under AB 32 pursuant to Health and Safety Code Section 38560.5, and, in April 2009, CARB approved the new rules and carbon intensity reference values with new regulatory requirements taking effect in January 2011. The standards require providers of transportation fuels to report on the mix of fuels they provide and demonstrate they meet the LCFS intensity standards annually. This is accomplished by ensuring that the number of "credits" earned by providing fuels with a lower carbon intensity than the established baseline (or obtained from another party) is equal to or greater than the "deficits" earned from selling higher intensity fuels. In response to certain court rulings, CARB re-adopted the LCFS regulation in September 2015, and the LCFS went into effect on January 1, 2016. In 2018, CARB approved amendments to the regulation to readjust carbon intensity benchmarks to meet California's 2030 GHG reductions targets under SB 32. These amendments include opportunities to promote zero emission vehicle (ZEV) adoption, carbon capture and sequestration, and advanced technologies for decarbonization of the transportation sector.

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, which combines the control of GHG emissions and criteria air pollutants, as well as requirements for greater numbers of ZEVs, into a single package of regulatory standards for vehicle model years 2017 through 2025. The new

regulations strengthen the GHG standard for 2017 models and beyond. This will be achieved through existing technologies, the use of stronger and lighter materials, and more efficient drivetrains and engines. The program's ZEVs regulation requires battery, fuel cell, and/or plug-in hybrid electric vehicles to account for up to 15 percent of California's new vehicle sales by 2025. The program also includes a clean fuels outlet regulation designed to support the commercialization of zero-emission hydrogen fuel cell vehicles planned by vehicle manufacturers by 2015 by requiring increased numbers of hydrogen fueling stations throughout the State. The number of stations will grow as vehicle manufacturers sell more fuel cell vehicles. By 2025, when the rules will be fully implemented, the statewide fleet of new cars and light trucks will emit 40 percent fewer GHGs and 75 percent fewer smog-forming emissions than 2012 model year vehicles.

Executive Order B-48-18

In January 2018, Governor Brown signed EO B-48-18 requiring all State entities to work with the private sector to have at least 5 million ZEVs on the road by 2030, as well as install 200 hydrogen fueling stations and 250,000 electric vehicle charging stations by 2025. It specifies that 10,000 of the electric vehicle charging stations should be direct current fast chargers. This order also requires all State entities to continue to partner with local and regional governments to streamline the installation of ZEV infrastructure. The Governor's Office of Business and Economic Development is required to publish a Plug-in Charging Station Design Guidebook and update the 2015 Hydrogen Station Permitting Guidebook to aid in these efforts. All State entities are required to participate in updating the 2016 Zero-Emissions Vehicle Action Plan to help expand private investment in ZEV infrastructure with a focus on serving low-income and disadvantaged communities. Additionally, all State entities are to support and recommend policies and actions to expand ZEV infrastructure at residential land uses, through the LCFS program, and recommend how to ensure affordability and accessibility for all drivers.

Regional Regulations

South Coast Air Quality Management District

In 2008, the SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the Basin. The Working Group developed several different options that are contained in the SCAQMD 2008 draft guidance document titled Interim CEQA GHG Significance Threshold for Stationary Sources, Rules, and Plans[39] that could be applied by lead agencies. On September 28, 2010, SCAQMD Working Group Meeting No. 15 provided further guidance, including a tiered approach for evaluating GHG emissions for development projects where the SCAQMD is not the lead agency. The SCAQMD has not presented a finalized version of these thresholds to the governing board.

The SCAQMD identifies the emissions level for which a project would not be expected to substantially conflict with any State legislation adopted to reduce statewide GHG emissions. As such, the utilization of a service population represents the rates of emissions needed to achieve a fair share of the State's mandated emissions reductions. Overall, the SCAQMD identifies a GHG efficiency level that, when applied statewide or to a defined geographic area, would meet the year

[39] SCAQMD. 2008b. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules, and Plans.

2020 and post-2020 emissions targets as required by AB 32 and SB 32. If projects are able to achieve targeted rates of emissions per the service population, the State will be able to accommodate expected population growth and achieve economic development objectives, while also abiding by AB 32's emissions target and future post-2020 targets.

Southern California Association of Governments

On September 3, 2020, SCAG adopted Connect SoCal–The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS).[40] In general, the SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce vehicle miles traveled (VMT) from automobiles and light-duty trucks and thereby reduce GHG emissions from these sources. For the SCAG region, CARB has set GHG reduction targets at 8 percent below 2005 per capita emissions levels by 2020, and 19 percent below 2005 per capita emissions levels by 2035. The RTP/SCS lays out a strategy for the region to meet these targets. Overall, the SCS is meant to provide growth strategies that will achieve the regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high-quality transit areas and livable corridors, and creating neighborhood mobility areas to integrate land use and transportation and plan for more active lifestyles.[41] However, the SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the SCS; SCAG is required to consider local land use controls when drafting the SCS.

Local Regulations

City of Hemet Climate Action Implementation Plan

In 2012, the Western Riverside Council of Governments (WRCOG) invited the City of Hemet to participate in the Western Riverside Energy Leadership Partnership (WRELP) and the Subregional Climate Action Plan (CAP)[42]. The WRELP consists of energy efficiency programs that will reduce utility costs and GHG associated with energy use at the municipal and community level. The CAP sets forth a subregional emissions reduction target, emission reduction measures, and actions steps to help the participating jurisdictions demonstrate consistency with AB 32. The City of Hemet has committed to the following reduction measures that will be applicable to the proposed project.

- R2-E2 New Commercial Energy Efficiency: Increase energy efficiency in new commercial developments an average of 10 percent beyond Title 24 Standards.

40 Southern California Association of Governments (SCAG). 2020. Connect SoCal: The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Website: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176 (accessed March 2023).

41 Ibid.

42 City of Hemet. 2018. *City of Hemet Climate Action Plan.* September 11. Website: Climate-Action-Plan-091118 (hemetca.gov) (accessed March 2023)

- R2-E4 Commercial Renewable Energy: Derive 10 percent of the electricity use in new commercial developments from renewable energy and install an average of 5Kw of solar photovoltaic cells per 10,000 square feet of building space.
- R2-W2 Water Conservation Strategies: Reduce water consumption in new developments by 20 percent through low flush toilets, landscape ordinance, incentive programs, on-site stormwater capture, and other similar programs.
- T-2 Bicycle Parking: Provide additional options for bicycle parking.
- T-3 End of Trip Facilities: Encourage the use of non-motorized transportation modes by providing appropriate facilities and amenities for commuters.
- T-12 Limit Parking Requirements for New Development: Reduce requirements for vehicle parking in new development projects.

SETTING

This section provides the current SCAQMD attainment status, climate and air quality, ambient air quality monitoring results, and GHG emissions inventory.

ATTAINMENT STATUS

The CARB is required to designate areas of the state as attainment, nonattainment, or unclassified for all State standards. An *attainment* designation for an area signifies that pollutant concentrations did not violate the standard for that pollutant in that area. A *nonattainment* designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. An *unclassified* designation signifies that data do not support either an attainment or nonattainment status. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The USEPA designates areas for O_3, CO, and NO_2 as either does not meet the primary standards, or cannot be classified, or better than national standards. For SO_2, areas are designated as does not meet the primary standards, does not meet the secondary standards, cannot be classified, or better than national standards.

Table E provides a summary of the attainment status for the Basin with respect to NAAQS and CAAQS.

Table E: Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
O_3 1 hour	Nonattainment	Extreme Nonattainment
O_3 8 hour	Nonattainment	Extreme Nonattainment
PM_{10}	Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO_2	Attainment	Attainment/Maintenance
SO_2	N/A	Attainment/Unclassified
Lead	Attainment	Attainment[1]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: South Coast Air Quality Management District (2018).
[1] Except in Los Angeles County.
CO = carbon monoxide
N/A = not applicable
NO_2 = nitrogen dioxide
O_3 = ozone
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SO_2 = sulfur dioxide

EXISTING CLIMATE AND AIR QUALITY

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The combination of topography, low mixing height, abundant sunshine, and emissions from

the second-largest urban area in the United States gives the Basin some of the worst air pollution in the nation.

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s°F. With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station closest to the site is the Hemet Station.[43] The monthly average maximum temperature recorded at this station ranged from 67.7°F in February to 98.9°F in August, with an annual average maximum of 81.7°F. The monthly average minimum temperature recorded at this station ranged from 37.3°F in December to 61.2°F in August, with an annual average minimum of 48.4°F. These levels are representative of the project area.

The majority of annual rainfall in the Basin occurs between November and March. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. Average monthly rainfall at the Hemet station varied from 0.0 inch for the majority of the year to 1.1 inches in March, with an annual total of 1.2 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid-afternoon to late afternoon on hot summer days when the air appears to clear up suddenly. Winter inversions frequently break by midmorning.

Winds in the project area blow predominantly from the south-southwest, with relatively low velocities. Wind speeds in the project area average about 5 miles per hour (mph). Summer wind speeds average slightly higher than winter wind speeds. Low average wind speeds, together with a persistent temperature inversion, limit the vertical dispersion of air pollutants throughout the Basin. Strong, dry, north, or northeasterly winds, known as Santa Ana winds, occur during the fall and winter months, dispersing air contaminants. The Santa Ana conditions tend to last for several days at a time.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly on shore into Riverside and San Bernardino Counties. In the winter, the greatest pollution problems are CO and NO_X because of extremely low inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and brighter sunshine combine to cause a reaction between hydrocarbons and NO_x to form photochemical smog. Smog is a general term that is naturally occurring fog that has become mixed with smoke or pollution. In this context it is better described as a form of air pollution

[43] Western Regional Climate Center. Recent Climate in the West. Website: http://www.wrcc.dri.edu, (accessed March 2023).

produced by the photochemical reaction of sunlight with pollutants that have been released into the atmosphere, especially by automotive emissions.

AIR QUALITY MONITORING RESULTS

Air quality monitoring stations are located throughout the nation and are maintained by the local air pollution control district and State air quality regulating agencies. The SCAQMD, together with the CARB, maintains ambient air quality monitoring stations in the Basin. The air quality monitoring station closest to the project site located at 237 ½ N. D Street in the City of Perris, 200 S. Hathaway Street in Banning, and 5888 Missions Blvd. in Rubidoux California.

Pollutant monitoring results for years 2019 to 2021 at the Perris, Banning, and Rubidoux ambient air quality monitoring stations, shown in Table F, indicate that air quality in the area has generally been moderate. As indicated in the monitoring results, the federal PM_{10} standard had no exceedances in the three-year period. The State PM_{10} standard was exceeded 4 times in 2019, 6 times in 2020, and 4 of times in 2021. The $PM_{2.5}$ federal standard was exceeded an unknown number of times during the three-year period. The 1-hour ozone State standard was exceeded 28 times in 2019, 34 times in 2020, and 25 times in 2021. The 8-hour ozone State standard was exceeded 66 times in 2019, 77 times in 2020, and 60 times in 2021. The 8-hour ozone federal standard was 64 times in 2019, 74 times in 2020, and 55 times in 2021. In addition, the CO, SO_2, and NO_2 standards were not exceeded in this area during the 3-year period.

GREENHOUSE GAS EMISSIONS INVENTORY

An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of GHGs is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, United States, and California GHG emission inventories.

Global Emissions

Worldwide emissions of GHGs in 2020 totaled 22.9 billion metric tons (MT) of CO_2e. Global estimates are based on country inventories developed as part of the programs of the United Nations Framework Convention on Climate Change.[44]

United States Emissions

In 2020, the year for which the most recent data are available, the United States emitted about 5,222 million metric tons of CO_2e (MMT CO_2e). Overall, emissions in 2020 decreased by 11 percent since 2019 and were 21 percent lower than 2005 levels. The primary driver for the decrease was an 11 percent decrease in CO_2 emissions from fossil fuel combustion. This decrease was primarily due to a 13 percent decrease in transportation emissions driven by decreased demand due to the ongoing COVID-19 pandemic. Electric power sector emissions also decreased 10 percent, reflecting

[44] United Nations Framework Convention on Climate Change (UNFCCC). 2021. GHG Data from UNFCCC. Website: unfccc.int/process-and-meetings/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc (accessed March 2023).

Table F: Ambient Air Quality at the Nearby Monitoring Stations

Pollutant	Standard	2019	2020	2021
Carbon Monoxide (CO)[1]				
Maximum 1-hour concentration (ppm)		1.5	1.8	2.1
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hour concentration (ppm)		1.1	1.4	1.7
Number of days exceeded:	State: > 9 ppm	0	0	0
	Federal: > 9 ppm	0	0	0
Ozone (O_3)[2]				
Maximum 1-hour concentration (ppm)		0.118	0.125	0.117
Number of days exceeded:	State: > 0.09 ppm	28	34	25
Maximum 8-hour concentration (ppm)		0.096	0.106	0.094
Number of days exceeded:	State: > 0.07 ppm	66	77	60
	Federal: > 0.07 ppm	64	74	55
Coarse Particulates (PM_{10})[2]				
Maximum 24-hour concentration (µg/m^3)		92.1	87.6	73.5
Number of days exceeded:	State: > 50 µg/m^3	4	6	4
	Federal: > 150 µg/m^3	0	0	0
Annual arithmetic average concentration (µg/m^3)		24.4	ND	ND
Exceeded for the year:	State: > 20 µg/m^3	Yes	ND	ND
	Federal: > 50 µg/m^3	No	ND	ND
Fine Particulates ($PM_{2.5}$)[3]				
Maximum 24-hour concentration (µg/m^3)		23.4	46.7	40.9
Number of days exceeded:	Federal: > 35 µg/m^3	ND	ND	ND
Annual arithmetic average concentration (µg/m^3)		9.5	10.5	11.7
Exceeded for the year:	State: > 12 µg/m^3	No	No	No
	Federal: > 15 µg/m^3	No	No	No
Nitrogen Dioxide (NO_2)[3]				
Maximum 1-hour concentration (ppm)		0.056	0.051	0.056
Number of days exceeded:	State: > 0.250 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.007	0.008	0.008
Exceeded for the year:	Federal: > 0.053 ppm	No	No	No
Sulfur Dioxide (SO_2)[1]				
Maximum 1-hour concentration (ppm)		0.0018	0.0022	0.0021
Number of days exceeded:	State: > 0.25 ppm	0	0	0
Maximum 24-hour concentration (ppm)		0.0009	0.0009	0.0011
Number of days exceeded:	State: > 0.04 ppm	0	0	0
	Federal: > 0.14 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.00042	0.00034	0.00051
Exceeded for the year:	Federal: > 0.030 ppm	No	No	No

Sources: CARB (2021) and USEPA (2022).

1- Data taken from 5888 Mission Blvd, Rubidoux Monitoring Station

2- Data taken from 237 ½ N. D Street, Perris Monitoring Station

3- Data Taken from 200 S. Hathaway, Banning Monitoring Station.

µg/m^3 = micrograms per cubic meter

CARB = California Air Resources Board

ND = No data. There were insufficient (or no) data to determine the value.

ppm = parts per million

USEPA = United States Environmental Protection Agency

both a slight decrease in demand from the COVID-19 pandemic and a continued shift from coal to less carbon intensive natural gas and renewables. Of the five major sectors – residential and commercial, agricultural, industry, transportation, and electricity generation – transportation accounted for the highest amount of GHG emissions in 2020 (approximately 27 percent), with electricity generation second at 27 percent and emissions from industry third at 24 percent.[45]

State of California Emissions

The State emitted approximately 369.2 MMT CO_2e emissions in 2020, 35.3 MMT CO_2e lower than 2019 levels and 61.8 MMT CO_2e below the 2020 GHG limit of 431 MMT CO_2e.[46] CARB estimates that transportation was the source of approximately 37 percent of the State's GHG emissions in 2020, which is a smaller share than recent years, as the transportation sector saw a significant decrease of 26.6 MMT CO_2e in 2020, likely due in large part to the impact of the COVID-19 pandemic. The next largest sources included industrial sources at approximately 20 percent and electricity generation at 16 percent. The remaining sources of GHG emissions were commercial and residential activities at 10 percent, agriculture at 9 percent, high GWP at 6 percent, and waste at 2 percent.[47]

45 USEPA. 2021. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019. Website: https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019 (accessed March 2023).

46 CARB. 2022a. *California Greenhouse Gas Emissions for 2000 to 2020, Trends of Emissions and Other Indicators Report*. Website: https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000-2020_ghg_inventory_trends.pdf (accessed March 2023).

47 Ibid.

METHODOLOGY

The methodology used to estimate air quality, health risk, GHG, and energy impacts is described below.

CONSTRUCTION EMISSIONS

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include demolition, site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel and gasoline powered equipment, portable auxiliary equipment, and worker commute trips.

The California Emissions Estimator Model version 2022.1 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. As discussed previously in the Project Description, construction is anticipated to begin in October 2023 and be completed in 12 months, ending in October 2024, which was included in CalEEMod. The proposed project would require the net import of 13,700 cubic yards of soil, which was also included in CalEEMod. Consistent with General Plan EIR Mitigation Measure 4.3-1a, this analysis assumes that the proposed project would comply with SCAQMD Rule 403 measures. In addition, consistent with General Plan EIR Mitigation Measure 4.4.3-1b, which requires that all internal combustion engines or construction equipment operating on the project site shall meet Tier 2 requirements or higher, this analysis assumes the use of Tier 3 construction equipment. All other construction details are not yet known; therefore, default assumptions (e.g., construction worker and truck trips and fleet activities) from CalEEMod were used. To be consistent, this analysis assumes construction assumptions for the General Plan buildout similar to construction assumptions for the proposed project.

OPERATIONAL EMISSIONS

The air quality analysis includes estimating emissions associated with long-term operation of the proposed project. Consistent with the SCAQMD guidance for estimating emissions associated with land use development projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the project. As discussed in the Project Description, the proposed project would include an 850,640 sq ft warehouse building and associated improvements. The proposed project analysis was conducted using land use codes *Unrefrigerated Warehouse- No Rail*, and *Parking Lot*. Trip generation rates used in CalEEMod for the project were based on the project's *VMT Screening Analysis*[48], which identifies that the proposed project would generate approximately 1,811 average daily trips, including 1,555 passenger vehicle trips, 20 two-axle truck trips, 40 three-axle truck trips, 60 four-axle truck trips, and 137 five+-axle truck trips. This analysis assumes that the four+-axle and five+-axle truck trips would travel approximately 40 miles. To be conservative, separate CalEEMod analyses were prepared for the operational analysis. One CalEEMod run evaluated operational and vehicle trip emissions and another CalEEMod run

48 Environment Planning Development Solutions, Inc. 2023. op. cit.

evaluated four+-axle and five+-axle truck trip emissions. In addition, the proposed project would include the use of a 200 hp fire pump and a 536 hp diesel backup generator, which are assumed to run for 50 hours per year and one hour per day. No natural gas usage is expected during operation of the proposed project. Therefore, this analysis incorporates selections to reflect no natural gas usage. Where project-specific data were not available, default assumptions (e.g., water usage, and solid waste generation) from CalEEMod were used to estimate project emissions.

To assess the emissions anticipated for development of the project site under the assumptions used in the City of Hemet General Plan 2030 EIR, an analysis was conducted for 1,094,102 sq ft of business park uses on the project site. This analysis for the project site assumes the maximum development potential identified in the General Plan using land codes *Unrefrigerated Warehouse-No Rail* and *Parking Lot.* Trip generation rates used in CalEEMod for General Plan buildout were based on the project's *VMT Screening Analysis*[49], which assumes that General Plan buildout would generate approximately 13,611 average daily trips. To be conservative, this analysis also assumes that General Plan buildout would not include natural gas.

HEALTH RISK ASSESSMENT

For the purposes of a health risk assessment (HRA), emissions are analyzed for acute health impacts, chronic, and carcinogenic health impacts. A multi-pathway assessment has been conducted to evaluate the project's emissions during construction and operation following the modeling techniques recommended in the CalEPA's Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxic Hot Spots Program Risk Assessment Guidelines*.[50] The analysis herein has been conducted in accordance with SCAQMD requirements for HRAs.

The HRA analysis was conducted using three models: (1) EMFAC2021 for on-road vehicle emissions factors and percentages of fuel type within the overall vehicle fleet; (2) the USEPA AERMOD air dispersion model to determine how the TACs would move through the atmosphere after release from sources both on site and on surrounding roadways; and (3) CARB's HARP2 model to translate the pollutant concentrations from AERMOD into individual health risks at any sensitive receptor locations surrounding the project site.

The OEHHA has determined that long-term exposure to diesel exhaust particulates poses the highest cancer risk of any TAC it has evaluated. Exposure to diesel exhaust can also have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, DPM made people with allergies more susceptible to the materials to which they were allergic, such as dust and pollen. Exposure to DPM also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. For risk assessment procedures,

49 Environment Planning Development Solutions, Inc. 2023. op. cit.

50 California Environmental Protection Agency (CalEPA) Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. March. Website: https://oehha.ca.gov/air/air-toxics-hot-spots (accessed March 2023).

the OEHHA specifies that the surrogate for whole diesel exhaust is DPM. The HRA analyses used PM_{10} emissions to represent DPM emissions, consistent with OEHHA guidance.

The conservative nature of this analysis is due primarily to the following three factors:

- The CARB-adopted diesel exhaust unit risk factor (URF) of 300 in 1 million per microgram per cubic meter ($\mu g/m^3$) is based on the upper 95th percentile of estimated risk for each of the epidemiological studies used to develop the URF. Therefore, the risk factor is already representative of the conservative risk posed by DPM.

- The risk estimates assume sensitive receptors would be subject to DPM 24 hours per day, 350 days per year. As a conservative measure, SCAQMD does not recognize indoor adjustments for residents. However, typical people spend the majority of their time indoors versus remaining outdoors 24 hours per day, 350 days per year.

- The exposure to DPM is assumed to be constant for the given period analyzed (i.e., 30 years for the residential receptors and 25 years for the worker receptors). However, emissions from DPM are expected to substantially decrease in the future with the implementation of standard regulatory requirements and technological advancement to reduce DPM.

Emissions Sources

Construction Health Risk Assessment

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). The HRA analyses used PM_{1o} emissions to represent DPM emissions, consistent with Office of Environmental Health Hazard Assessment (OEHHA) guidance[51]. Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA dispersion model AERMOD. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data.

Operational Health Risk Assessment

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project.

The first step of an HRA is to characterize the project-related emissions of TACs. The proposed project would generate approximately 1,811 average daily trips, including 1,555 passenger vehicle

[51] CalEPA OEHHA. 2015. op cit.

trips, 20 two-axle truck trips, 40 three-axle truck trips, 60 four-axle truck trips, and 137 five+-axle truck trips. The trucks would access the site by two driveways located along Kirby Street. The proposed project would provide 132 dock doors; as the project would contain multiple loading docks, off-site queuing of trucks is not anticipated. While the TAC emissions from gasoline-powered vehicles have a small health effect compared to diesel particulate matter (DPM), this HRA includes both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is sufficient to only consider the DPM (PM_{10} and $PM_{2.5}$) portions of the exhaust; all the TACs for the gasoline exhaust emissions are contained in the ROG emissions. Using speciation data from CARB, the emission rates of the TAC components are derived from the total ROG emissions. These data are attached.

Project trucks would operate in two modes: stationary idling and moving on and off the site. The emissions from trucks while idling result in a much higher concentration of TACs at nearby sensitive receptors compared to the emissions from moving trucks. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. Idling emission factors included in the HRA modeling includes idling events, which were assumed to be 5 minutes per truck. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. For this HRA, the truck travel emissions were modeled as a series of volume sources along the on-site driveways, along Kirby Street going north and south. LSA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5–15 mph, and that vehicles traveling on roadways would average 5–55 mph.

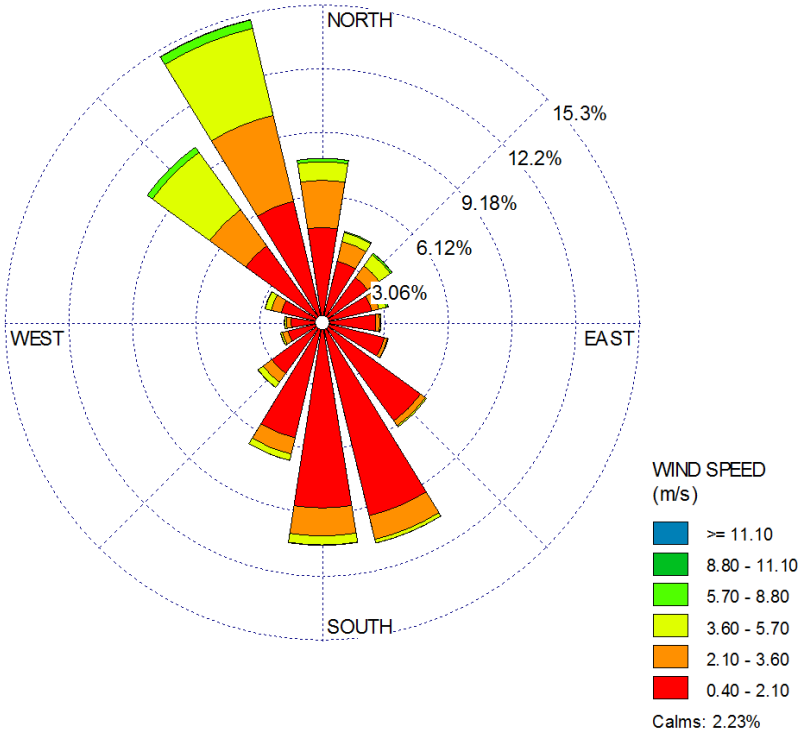
The idling emissions of trucks operating on the project site were modeled as point sources within the area sources representing the planned loading docks. EMFAC2021 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of DPM. While it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 30-year exposure period. The use of emissions factors for the year 2023, was used as a conservative estimate of emissions, although, the project is not expected to be fully operational until 2024.

American Meteorological Society/Environmental Protection Agency Regulatory Model Dispersion Modeling

In order to assess the dispersion of emissions associated with the project, air dispersion modeling was performed using AERMOD. The model is approved by the USEPA when estimating the air quality impacts associated with point and fugitive sources in simple and complex terrain. The model was used to calculate the annual average pollutant concentrations associated with each emitting source. Inputs for each emitting source were based on the characterizations described above. Details of these inputs are attached.

For the volume sources used to represent on-road mobile source activity, vertical (sigma z) dispersion parameters were developed as described in the SCAQMD's modeling guidance for trucks. For the truck unloading locations, individual point sources represent the trucks idling at each loading dock. For all the idling sources, the release parameters were set to the SCAQMD default parameters.

The model requires additional input parameters, including local meteorology. Due to the model's sensitivity to individual parameters (e.g., wind speed, temperature, and direction), the USEPA recommends meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. As such, 5 years of meteorological data from SCAQMD's Perris Monitoring Station (the nearest available station) was used to represent local weather conditions and prevailing winds. Figure 3 shows the graphical representation of the wind patterns.



Source: SCAQMD Meteorological Data for AERMOD.

Figure 3: Project Area Wind Patterns

Receptors were placed at the nearest sensitive receptor locations, as shown in Figure 4.

Hotspots Analysis and Reporting Program Modeling

CARB's HARP2 model is a tool that assists with the programmatic requirements of the Air Toxics "Hot Spots" Program (AB 2588). HARP2 was used to translate the TAC concentrations from AERMOD into long-term carcinogenic and chronic, and short-term acute health risk levels following the guidance in the SCAQMD and OEHHA risk assessment guidelines. These guidelines specify a minimum set of TAC pathways and HARP2 modeling options for the carcinogenic assessment. To estimate chronic

noncancer risks at residential receptors, the "RMP-Derived Method" risk-calculation option was used. Following the OEHHA guidance, an 8-hour chronic noncancer risk was calculated for residential receptors because the project would operate more than 8 hours per day and 5 days per week.

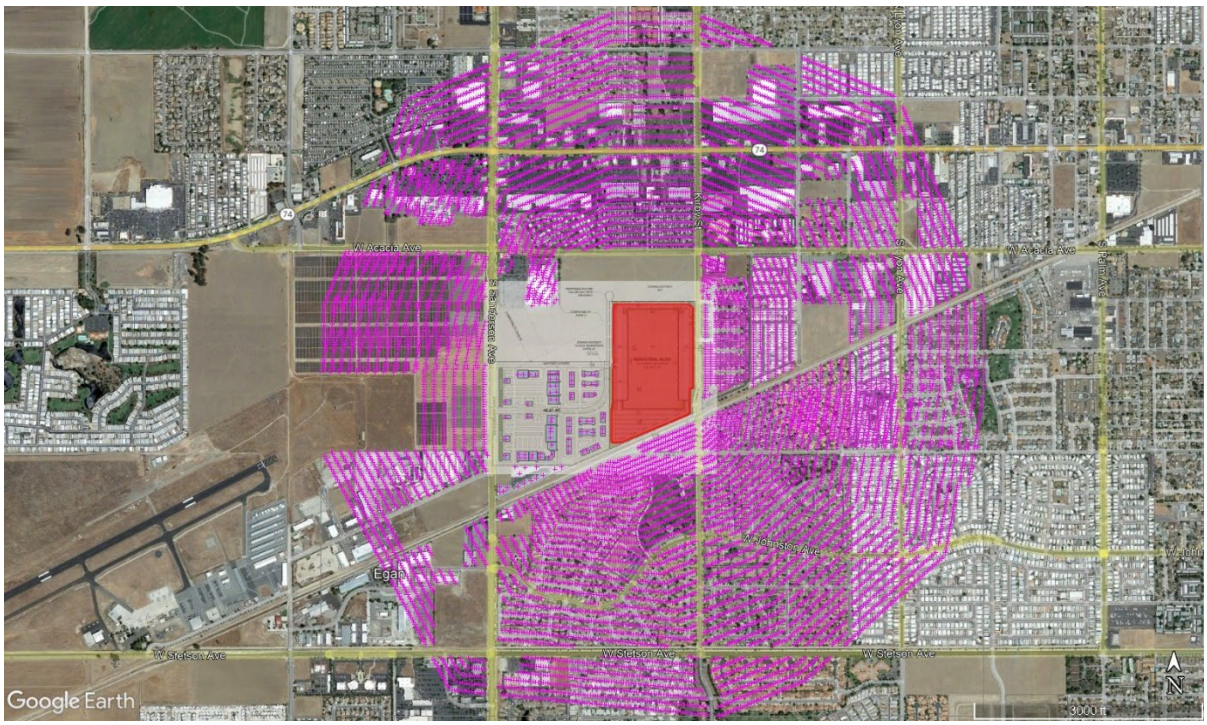


Figure 4: Sensitive Receptor Grid

The dose-response relationship for a specific pollutant describes the association between exposure and the observed response (health effect). In other words, the relationship estimates how different levels of exposure to a pollutant change the likelihood and severity of health effects. The dose-response relationship (the response occurring with increasing doses) varies with each pollutant, individual sensitivity, and type of health effect. Combining the results of the emission characterization and dispersion modeling described above with the dose-response assessment gives an estimate of the increased health risk for an individual exposed to the maximum predicted long-term concentrations of TACs.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were default rates as presented in the OEHHA guidance document entitled *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[52] and guidance from SCAQMD.

52 CalEPA OEHHA. 2015. op cit.

ENERGY USE

The analysis of electricity/natural gas usage is based on the CalEEMod modeling conducted by LSA, which quantifies energy use for project operations. Fuel consumption (diesel fuel and gasoline) from vehicle trips during operation was estimated for the opening year (2024) of the proposed project based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMission FACtor Model (EMFAC2021) model. Estimates of fuel consumption (diesel fuel and gasoline) from construction trucks and construction worker vehicles were based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMFAC2021 model.

The analysis focuses on the three sources of energy that are relevant to the proposed project: electricity, the equipment fuel necessary for project construction, and vehicle fuel necessary for project operations. For the purposes of this analysis, the amount of electricity, construction fuel, and fuel use from operations are quantified and compared to that consumed in Riverside County. The electricity use of the proposed project is analyzed as a whole on an annual basis. Electricity use was estimated for the project using default energy intensities by land use type in CalEEMod.

GREENHOUSE GAS ANALYSIS

Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that for determining a project's contribution to GHG emissions, lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the project area. The CalEEMod results were used to quantify GHG emissions generated by the project.

THRESHOLDS OF SIGNIFICANCE

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable federal or State ambient air quality standards;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) affecting a substantial number of people.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse energy impact if the project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reduction the emissions of greenhouse gases.

Certain air districts (e.g., SCAQMD) have created guidelines and requirements to conduct air quality analysis. The SCAQMD's current guidelines, its *CEQA Air Quality Handbook* with associated updates, were followed in this assessment of air quality and GHG impacts for the proposed project.

CRITERIA POLLUTANT THRESHOLDS

SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the Basin. The emissions thresholds were established based on the attainment status of the Basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

Table G lists the CEQA significance thresholds for construction and operational emissions established for the Basin. Projects in the Basin with construction- or operation-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines. These thresholds, which SCAQMD developed and that apply throughout the Basin, apply as both project and cumulative thresholds. If a project exceeds these standards, it is considered to have a project-specific and cumulative impact.

Table G: Regional Thresholds for Construction and Operational Emissions

Emissions Source	Pollutant Emissions Threshold (lbs/day)					
	VOCs	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_X
Construction	75	100	550	150	55	150
Operations	55	55	550	150	55	150

Source: SCAQMD. Air Quality Significance Thresholds. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf (accessed March 2023).

CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

HEALTH RISK THRESHOLDS

The following limits for maximum individual cancer risk (MICR) and noncancer acute and chronic Hazard Index (HI) from project emissions of TACs are considered appropriate for use in determining the health risk for projects in the Basin:

- **MICR:** MICR is the estimated probability of a maximally exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations and over a period of 25 years for workers. The MICR calculations include multipathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs would be considered significant if it would result in an increased MICR greater than 10 in 1 million (1×10^{-5}) at any receptor location.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multipathway consideration, when applicable.

  The project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

- **Acute HI:** Acute HI is the ratio of the estimated maximum 1-hour concentration of a TAC for a potential MEI to its acute reference exposure level.

  The project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1.0 at any receptor location.

The SCAQMD's *CEQA Air Quality Handbook*[53] states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*[54], for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed project.

LOCALIZED IMPACTS ANALYSIS

The SCAQMD published its *Final Localized Significance Threshold Methodology* in July 2008, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.[55] This guidance was used to analyze potential localized air quality impacts associated with construction of the proposed project. Localized significance thresholds (LST) are developed based on the size or total area of the emission source, the ambient air quality in the source receptor area, and the distance to the project. Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality.

LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For the proposed project, the appropriate SRA for the LST is the nearby Hemet/San Jacinto Valley (SRA 28). SCAQMD provides LST screening tables for 25, 50, 100, 200, and 500-meter source-receptor distances. The closest sensitive receptors to the project site are residential uses such as the single-family homes located approximately 100 feet (30 meters) east of the project's eastern boundary along Kirby Street. Based on the anticipated construction equipment, it is assumed that the maximum daily disturbed acreage for the proposed project would be 3.5 acres.[56] Table H lists the emissions thresholds that apply during project construction and operation.

Table H: South Coast Air Quality Management District Localized Significance Thresholds

Emissions Source	Pollutant Emissions Threshold (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Construction	311.0	1,655.0	14.0	6.4
Operations	311.0	1,655.0	3.9	1.7

Source: South Coast Air Quality Management District (2008).
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

53 SCAQMD. 1993. *CEQA Air Quality Handbook* (currently under revision).
54 SCAQMD. 2003. *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. August.
55 SCAQMD. 2008a. *Final Localized Significance Threshold Methodology*. July.
56 SCAQMD. n.d. *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed March 2023).

LOCAL MICROSCALE CONCENTRATION STANDARDS

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. Because ambient CO levels are below the standards throughout the Basin, a project would be considered to have a significant CO impact if project emissions result in an exceedance of one or more of the 1-hour or 8-hour standards. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20 parts per million (ppm)
- California State 8-hour CO standard of 9 ppm

GLOBAL CLIMATE CHANGE

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting held in September 2010 (Meeting No. 15), SCAQMD proposed to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency:

- **Tier 1. Exemptions:** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

- **Tier 2. Consistency with a locally adopted GHG Reduction Plan:** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.

- **Tier 3. Numerical Screening Threshold:** If GHG emissions are less than the numerical screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. The 10,000 MT of CO_2e per year (MT CO_2e/yr) threshold for industrial uses would be recommended for use by all lead agencies. Under Option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e/yr), commercial projects (1,400 MT CO_2e/yr), and mixed-use projects (3,000 MT CO_2e/yr). Under Option 2, a single numerical screening-level threshold of 3,000 MT CO_2e/yr would be used for all non-industrial projects.

- **Tier 4. Performance Standards:** If emissions exceed the numerical screening threshold, a more detailed review of the project's GHG emissions is warranted. SCAQMD has proposed an efficiency target for projects that exceed the bright-line threshold. The current recommended approach is per capita efficiency targets. SCAQMD is not recommending use of a percent emissions reduction target. Instead, SCAQMD proposes a 2020 efficiency target of 4.8 MT CO_2e/yr per service population (for project-level analyses and 6.6 MT CO_2e/yr per service population for plan-level projects (e.g., program-level projects such as general plans). The GHG

efficiency metric divides annualized GHG emissions by the service population, which is the sum of residents and employees, per the following equation:

Rate of Emission: GHG Emissions (MT CO_2e/yr) ÷ Service Population

The efficiency evaluation consists of comparing the project's efficiency metric to efficiency targets. Efficiency targets represent the maximum quantity of emissions each resident and employee in the State of California could emit in various years based on emissions levels necessary to achieve the statewide GHG emissions reduction goals. A project that results in a lower rate of emissions would be more efficient than a project with a higher rate of emissions, based on the same service population. The metric considers GHG reduction measures integrated into a project's design and operation (or through mitigation). The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for the CARB's 2008 Scoping Plan.

For the purpose of this analysis, the proposed project will be compared to the screening-level Tier 3 Numerical Screening Threshold of 3,000 MT CO_2e/yr. The project is also evaluated for compliance with the City of Hemet CAP, the 2022 Scoping Plan, and the 2020–2045 RTP/SCS.

IMPACTS ANALYSIS

This section identifies the air quality, energy, and GHG emissions impacts associated with implementation of the proposed project.

AIR QUALITY IMPACTS

Air pollutant emissions associated with the project would occur over the short term from construction activities and over the long term from operational activities associated with the proposed land uses.

Consistency with Applicable Air Quality Plans

The General Plan EIR found that implementation of the General Plan would be inconsistent with the SCAQMD AQMP because implementation of the General Plan could result in excess of project-based thresholds for criteria air pollutants and precursors for which the region is in nonattainment. The General Plan EIR identified Mitigation Measures 4.3-1a through 4.3-1e would reduce this impact, but not to a less-than-significant level. As such, impacts were found to be significant and unavoidable.

A consistency determination plays an essential role in local agency project review by linking local planning and unique individual projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique projects need to undergo a consistency review due to the air quality plan strategy being based on projections from local General Plans.

The AQMP is based on regional growth projections developed by SCAG. The proposed project would include 850,640 sq ft of warehouse uses. Under CEQA, a project has the potential to be regionally significant if it would house more than 1,000 persons, occupy more than 40 acres of land, or encompass more than 650,000 sf of floor area. Thus, the proposed project would considered potentially regionally significant.

The City's General Plan is consistent with the SCAG Regional Comprehensive Plan Guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in the SCAQMD's *CEQA Air Quality Handbook*, consistency with the Basin 2022 AQMP is affirmed when a project (1) would not increase the frequency or severity of an air quality standards violation or cause a new violation and (2) is consistent with the growth assumptions in the AQMP. Consistency review is presented as follows:

1. The project would result in short-term construction and long-term operational pollutant emissions that are all less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated below; therefore, the project would not result in an increase in the frequency or severity of an air quality standards violation or cause a new air quality standard violations.

2. The *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the proposed project is not defined as significant.

   With respect to determining the proposed project consistency with the air quality plan growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's RTP/SCS regarding population, housing, and growth trends. According to SCAG's 2020–2045 RTP/SCS, the City's population, households, and employment are forecast to increase by approximately 42,500 residents, 23,600 households, and 18,500 jobs, respectively, between 2016 and 2045.[57] The proposed project would construct an 850,640 sq ft building that would accommodate approximately 550 new employees. The additional 550 employees would fall within the 18,500 projected jobs projected for the City. Therefore, it is assumed that it the project's labor demand would not substantially increase population, households, or employment in the City. As such, the project would be consistent with SCAG's goals for new job growth in the region.

   In addition, since the proposed project would not include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities, the proposed project is not defined as a significant project as defined by the SCAQMD's *CEQA Air Quality Handbook*.

Based on the consistency analysis presented above, the proposed project would be consistent with the regional AQMP. Therefore, the proposed project would not lead to new or more severe impacts associated with clean air plan consistency beyond those identified in the General Plan EIR.

Criteria Pollutant Analysis

The Basin is designated as non-attainment for O_3 and $PM_{2.5}$ for federal standards and non-attainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards. The SCAQMD's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the SCAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions.

[57] Southern California Association of Governments (SCAG). 2020. *Connect SoCal 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy.* Website: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176 (accessed March 2023).

Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential project-level construction- and operation-related air quality impacts.

Construction Emissions

The General Plan EIR determined that construction associated with future land uses consistent with the General Plan would result in emissions of criteria air pollutants and precursors from site preparation (e.g., demolition, excavation, grading, and clearing); exhaust from off-road equipment, material delivery trucks, and worker commute vehicles; vehicle travel on roads; and other miscellaneous activities (e.g., building construction, asphalt paving, application of architectural coatings, and trenching for utility installation). The General Plan EIR didn't quantify construction-related emissions; however, the General Plan EIR determined that construction-related emissions could lead to violation of an applicable air quality standard or contribute substantially to an existing or projected air quality violation. The General Plan EIR requires the implementation of Mitigation Measures 4.3-1a and 4.3-1b to reduce construction-related impacts; however, impacts were found to remain significant and unavoidable.

Similar to the impacts discussed in the General Plan EIR, during construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by demolition, grading, paving, building, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, ROG, directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

Project construction activities would include demolition, grading, site preparation, building, paving, and architectural coating activities. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SCAQMD has established Rule 403: Fugitive Dust, which would require the applicant to implement measures that would reduce the amount of particulate matter generated during the construction period.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, VOCs, and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using CalEEMod. Table I lists the tentative project construction schedule based on a 12-month construction duration. Table J lists the potential construction equipment to be used during project construction under each phase of construction. Construction-related emissions are presented in Table K. CalEEMod output sheets are included in Appendix A.

Table I: Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date	Phase End Date	Number of Days/Week	Number of Days
2	Site Preparation	10/2/2023	11/3/2023	5	25
3	Grading	11/6/2023	12/1/2023	5	20
4	Building Construction	12/4/2023	9/13/2024	5	205
5	Paving	9/16/2024	9/27/2024	5	10
6	Architectural Coating	4/22/2024	10/4/2024	5	120

Source: Compiled by LSA assuming construction will start in October 2023 and end in October 2024. Architectural coating phase was extended to overlap with building construction (March 2023).

Table J: Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	3	8	367	0.4
	Tractors/Loaders/Backhoes	4	8	84	0.37
Grading	Excavators	2	8	36	0.38
	Graders	1	8	148	0.41
	Rubber Tired Dozers	1	8	367	0.4
	Scrapers	2	8	423	0.48
	Tractors/Loaders/Backhoes	2	8	84	0.37
Building Construction	Cranes	1	7	367	0.29
	Forklifts	3	8	82	0.2
	Generator Sets	1	8	14	0.74
	Tractors/Loaders/Backhoes	3	7	84	0.37
	Welders	1	8	46	0.45
Paving	Pavers	2	8	81	0.42
	Paving Equipment	2	8	89	0.36
	Rollers	2	8	36	0.38
Architectural Coating	Air Compressors	1	6	37	0.48

Source: Compiled by LSA using CalEEMod defaults (March 2023).
CalEEMod = California Emissions Estimator Model

Table K: Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Proposed Project						
Proposed Project Maximum Daily Emissions[1]	**70.0**	**37.8**	**52.6**	**0.1**	**8.8**	**4.8**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**
Project Site General Plan Buildout						
Project Site General Plan Buildout Maximum Daily Emissions[2]	89.0	37.8	63.3	0.1	9.4	4.8
(Proposed Project –General Plan Buildout)	**-19.0**	**0.0**	**-10.7**	**0.0**	**-0.6**	**0.0**

Source: Compiled by LSA (March 2023).
Notes:
[1] Maximum emissions of VOCs and CO occurred during the overlapping building construction, architectural coating, and paving phases.
[2] The General Plan buildout emissions were calculated using CalEEMod as described in the Methodology section above.
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

As shown in Table K, construction emissions associated with the proposed project would not exceed the SCAQMD thresholds for VOCs, NO_x, CO, sulfur oxides (SO_X), $PM_{2.5,}$ or PM_{10} emissions. In addition, emissions associated with the proposed project would be lower for VOCs, CO, and PM_{10} compared to General Plan buildout. The proposed project would be required to implement General Plan EIR Mitigation Measures 4.3-1a and 4.3-1b, which would further reduce construction-related emissions. Therefore, construction of the proposed project would not result in emissions that would result in a cumulatively considerable net increase of any criteria pollutant for which the project is in nonattainment under an applicable federal or State ambient air quality standard. Therefore, the proposed project would not lead to new or more severe construction impacts beyond those identified in the General Plan EIR.

Operational Air Quality Impacts

The General Plan EIR found that long-term operation of future land uses consistent with the General Plan could result in emissions of ROG, NO_x, CO, PM_{10}, and $PM_{2.5}$ that exceed SCAQMD thresholds. The General Plan EIR identified that Mitigation Measures 4.3-1c, 4.3-1d, and 4.3-1e would reduce air pollutant emissions to the extent feasible. However, The General Plan EIR found that impacts would remain significant and unavoidable.

Long-term air pollutant emission impacts are those typically associated with mobile sources (e.g., vehicle and truck trips), energy sources (e.g., natural gas), area sources (e.g., architectural coatings and the use of landscape maintenance equipment), stationary sources (e.g., use of the fire pump and diesel backup generator). However, the proposed project would not include the use of natural gas.

PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of particulate matter emissions compared with diesel-powered vehicles.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings and the use of landscape maintenance equipment. Stationary source emissions are associated with use of the fire pump and diesel backup generator.

Long-term operation emissions associated with the proposed project were calculated using CalEEMod. Model results are shown in Table L below. CalEEMod output sheets are included in Appendix A.

The results shown in Table L indicate the project would not exceed the significance criteria for VOCs, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ emissions; thus, the proposed project would not have a significant effect on regional air quality. In addition, As shown in Table L, VOCs, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions associated with the proposed project would be lower compared to General Plan buildout. In addition, the proposed project would be required to implement General Plan EIR Mitigation Measures 4.3-1c, 4.3-1d, and 4.3-1e, which would further reduce operational emissions. Therefore, operation of the project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under an applicable federal or State ambient air quality standard. Therefore, the proposed project would not lead to new or more severe operational impacts beyond those identified in the General Plan EIR.

Long-Term Microscale (CO Hot Spot) Analysis

The General Plan EIR found that the highest average daily trips for any of the segments approaching these intersections would be about 43,000 vehicles, resulting in less than 100,000 average daily trips at intersections. In addition, the General Plan EIR determined that due to stricter vehicle emissions standards in newer cars, new technology, and increased fuel economy, future CO emission factors under future land use conditions (year 2030) would be substantially lower than those under existing conditions. Thus, the General Plan EIR concluded that even though there would be more vehicle trips under the General Plan at buildout than under existing conditions, project-generated local mobile-source CO emissions would not result in or substantially contribute to concentrations that exceed ambient air quality standards for CO. As a result, this impact was determined to be less than significant.

Vehicular trips associated with the proposed project would contribute to congestion at intersections and along roadway segments in the project vicinity. Localized air quality impacts would occur when emissions from vehicular traffic increase as a result of the proposed project. The primary mobile-source pollutant of local concern is CO, a direct function of vehicle idling time and, thus, of traffic flow conditions. CO transport is extremely limited; under normal meteorological conditions, CO

Table L: Project Operational Emissions

Emission Type	Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Proposed Project						
Mobile Sources – Vehicle Trips and Light Duty Trucks	6.0	5.9	60.0	0.1	4.6	0.9
Mobile Sources – Heavy Heavy Duty Truck Trips	0.4	29.4	5.6	0.3	4.2	1.3
Area Sources	26.5	0.3	37.0	<0.1	0.1	0.1
Energy Sources	0.0	0.0	0.0	0.0	0.0	0.0
Stationary Sources	1.2	3.4	3.1	<0.1	0.2	0.2
Total Proposed Project Emissions	**34.1**	**39.0**	**105.7**	**0.9**	**9.0**	**2.5**
SCAQMD Thresholds	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**
Project Site General Plan Buildout[1]						
Mobile Sources	61.2	60.9	510.0	1.2	39.3	7.8
Area Sources	34.1	0.4	47.6	<0.1	0.1	0.1
Energy Sources	0.0	0.0	0.0	0.0	0.0	0.0
Total Project Site General Plan Buildout Emissions	**95.2**	**61.3**	**557.6**	**1.2**	**39.4**	**7.9**
Difference (Proposed Project – General Plan Buildout)	**-61.1**	**-21.9**	**-451.9**	**-0.8**	**-30.4**	**-5.4**

Source: Compiled by LSA (March 2023).
Note:
[1] The Project Site General Plan Buildout emissions were calculated using CalEEMod as described in the Methodology section above.
CO = carbon monoxide
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

disperses rapidly with distance from the source. However, under certain extreme meteorological conditions, CO concentrations near a congested roadway or intersection may reach unhealthful levels, affecting local sensitive receptors (e.g., residents, schoolchildren, the elderly, and hospital patients). Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service or with extremely high traffic volumes. In areas with high ambient background CO concentrations, modeling is recommended to determine a project's effect on local CO levels.

An assessment of project-related impacts on localized ambient air quality requires that future ambient air quality levels be projected. Existing CO concentrations in the immediate project vicinity are not available. Ambient CO levels monitored at Hemet station, the closest station to the project site, showed a highest recorded 1-hour concentration of 2.7 ppm (the State standard is 20 ppm) and a highest 8-hour concentration of 1.4 ppm (the State standard is 9 ppm) during the past 3 years (Table G). The highest CO concentrations would normally occur during peak traffic hours; hence, CO impacts calculated under peak traffic conditions represent a worst-case analysis.

As described in the VMT Screening Memo[58], the proposed project is expected to generate approximately 104 AM peak hour trips and 140 PM peak hour trips. In addition, the proposed project would result in a net reduction of 1,373 AM peak hour trips and 1,195 PM peak hour trips compared to General Plan Buildout. Given the low level of CO concentrations in the project area, and lack of traffic impacts at any intersections, project-related vehicles are not expected to contribute significantly to result in the CO concentrations exceeding the State or federal CO standards. Since the proposed project would not result in CO hot spot impacts, the proposed project would not lead to new or substantially more severe CO hot spot impacts beyond those identified in the General Plan EIR.

Localized Significance Analysis

The SCAQMD recommends the evaluation of localized air quality impacts to sensitive receptors such as residential land uses in the immediate vicinity of a project site as a result of construction activities. The thresholds are based on standards established by the SCAQMD in its LST Methodology and are measured against emissions that occur on a specific project site. However, the LSTs are applicable to projects at the project-specific level and are not applicable to programmatic documents, such as the General Plan. As such, the General Plan EIR did not evaluate potential LST impacts.

Project construction and operation emissions were compared to the LST screening tables in SRA 28, based on a 30-meter source-receptor distance and a disturbed acreage of 3.5 acres. The results of the LST analysis, summarized in Tables M and N.

Table M: Project Localized Construction Emissions (lbs/day)

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Proposed Project				
On-Site Project Emissions	24.0	28.3	8.6	4.8
Localized Significance Threshold	311.0	1,655.0	14.0	6.4
Exceeds Threshold?	**No**	**No**	**No**	**No**
Project Site General Plan Buildout				
Approved General Plan Project On-Site Emissions	24.0	28.3	8.6	4.8
Difference (Proposed Project – Project Site General Plan Buildout)	**0.0**	**-22.8**	**-0.6**	**0.0**

Source: Compiled by LSA (March 2023)
Note: Source Receptor Area 28, based on a 3.5-acre construction disturbance daily area, at a distance of 30 meters from the project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

58 Environment Planning Development Solutions, Inc. 2023. op. cit.

Table N: Project Localized Operational Emissions (lbs/day)

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
Proposed Project				
On-Site Project Emissions	5.5	43.4	0.7	0.4
Localized Significance Threshold	311.0	1,655.0	3.9	1.7
Exceeds Threshold?	**No**	**No**	**No**	**No**
Project Site General Plan Buildout				
Project Site General Plan Buildout On-Site Emissions	3.4	73.1	2.1	0.5
Difference (Proposed Project –General Plan Buildout)	**2.0**	**-29.7**	**-1.3**	**-0.1**

Source: Compiled by LSA (March 2023)
Note: Source Receptor Area 28, based on a 3.5-acre construction disturbance daily area, at a distance of 30 meters from the project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

As shown in Table M, localized construction emissions associated with the proposed project would be approximately the same as emissions associated with construction of General Plan buildout. In addition, as shown in Table M, localized construction emissions associated with the proposed project would not exceed the SCAQMD's LST thresholds.

By design, the localized impacts analysis only includes on-site sources; however, the CalEEMod outputs do not separate on-site and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions detailed in Table N assume all area and stationary source emissions would occur on site, all of the energy source emissions would occur off site at the utility power stations, and 5 percent of the project-related new mobile sources, which is an estimate of the amount of project-related on-site vehicle and truck travel, would occur on site. Considering the total trip length included in CalEEMod, the 5 percent assumption is conservative. Table N indicates the localized operational emissions would not exceed the LSTs at nearby residences. Therefore, the proposed operational activity would not result in a locally significant air quality impact.

As shown in Table N, localized operational CO, PM_{10}, and $PM_{2.5}$ emissions associated with the proposed project would be less than the emissions associated with operation of General Plan buildout and localized NO_x emissions would be approximately the same. The results of the LST analysis also indicate that the proposed project would not result in an exceedance of the SCAQMD LST during project construction or operation. As such, the proposed project would not lead to new or more severe LST impacts beyond those identified in the General Plan EIR.

Health Risk on Nearby Sensitive Receptors

Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive receptors to the project site are residential uses such as the single-family homes located approximately 100 feet (30 meters) east of the project's eastern boundary along Kirby Street.

The following section describes the potential impacts on sensitive receptors from construction and operation of the proposed project. Health risk impacts associated with project construction and operation are evaluated separately to correctly estimate the risk for each type of receptor (i.e., sensitive vs. worker locations, since sensitive receptors start at the 3rd trimester and workers start at age 16.) The risk is calculated starting at the 3rd trimester going to 30.25 years, which is broken down into three bins: 3rd trimester to under 2 years; 2 years to under 16 years; and 16 years to 30 years. This is consistent with OEHHA's standard method of calculating a 30-year risk (i.e., the sum of all three bins).

The HRA analysis and results are presented below; data outputs are included in Appendix B.

Construction Health Risk Assessment

The General Plan EIR found that construction-related activities would result in short-term diesel PM emissions from the exhaust of off-road heavy-duty diesel equipment for site preparation; paving; application of architectural coatings; and other miscellaneous activities. The General Plan EIR determined that because the use of off-road heavy-duty diesel equipment for individual construction projects would be temporary and diesel PM is expected to disperse quickly, further reductions in exhaust emissions would occur over the General Plan buildout timeframe, and construction-related activities would not be expected to expose sensitive receptors to substantial emissions of TACs. As a result, this impact was found to be less than significant.

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table O, below, identifies the results of the analysis assuming the use of Tier 3 construction equipment, consistent with General Plan EIR Mitigation Measure 4.4.3-1b, at the MEI, which is the nearest sensitive receptor. Model snap shots of the sources are shown in Appendix B.

Table O: Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.17	0.009	0.000
Sensitive Receptor Risk	7.04	0.006	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (March 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table O, the maximum cancer risk for the sensitive receptor MEI would be 7.04 in one million, which would not exceed the SCAQMD cancer risk threshold of 10 in one million. The worker receptor risk would be lower at 0.17 in one million, which would also not exceed the SCAQMD cancer risk thresholds. The total chronic hazard index would be 0.009 for the worker receptor MEI and 0.006 for the sensitive receptor MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. Therefore, construction of the proposed project would not exceed SCAQMD thresholds and would

not expose nearby sensitive receptors to substantial pollutant concentrations. No significant health risk would occur from project construction emissions. The proposed project would be required to implement General Plan EIR Mitigation Measures 4.3-1a and 4.3-1b, which would further reduce construction-related emissions. As such, the proposed project would not lead to new or more severe construction health risk impacts beyond those identified in the General Plan EIR.

Operational Health Risk Assessment

The General Plan EIR determined that the General Plan anticipates construction of commercial, institutional, and industrial land uses that may potentially include stationary sources of TACs, such as hospitals, dry-cleaning establishments, restaurants operating large grills, gasoline-dispensing facilities, and diesel-fueled backup generators. The General Plan EIR concluded that stationary sources would be subject to SCAQMD rules and regulations and if it is determined that the sources would emit TACs in excess of SCAQMD significance thresholds, maximum or best available control technology (MACT or BACT) would be implemented to reduce emissions. If implementation of MACT or BACT would not reduce the risk below the threshold, SCAQMD would deny the required permit. As a result, with compliance with applicable rules and regulations, the General Plan EIR determined that operation of stationary sources would not result in the exposure of sensitive receptors to TACs at levels exceeding SCAQMD significance thresholds, and this impact was found to be less than significant.

In addition, the General Plan EIR found that on-site mobile sources of TACs would be associated primarily with the operation of on-road heavy-duty diesel trucks used for proposed on-site commercial activities (e.g., unloading/loading). As discussed in the General Plan EIR, the siting of new commercial trucking facilities that accommodate more than 100 trucks per day, or 40 trucks equipped with transportation refrigeration units (TRUs), within 1,000 feet of sensitive receptors (e.g., residences). In addition, the General Plan EIR found that long-term activities that require the use of diesel-fueled vehicles for extended periods, such as delivery areas or loading docks, may generate diesel PM emissions that could expose sensitive receptors to diesel PM emissions. The General Plan EIR concluded that it was unknown whether the concentration of diesel PM at any sensitive receptor locations might exceed the threshold for acceptable cancer risk for the maximally exposed individual. Therefore, given uncertainty with respect to determination of tenants, frequency of diesel-fueled trucks visiting the proposed land uses, and distances between trucking activities and sensitive receptors, the General Plan EIR found that impacts would be significant and unavoidable.

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project. The carcinogenic and chronic health risks from the proposed project are shown in Table P. The residential risk incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). The HRA model snapshots and outputs are included in Appendix B.

Table P: Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	1.01	0.003	0.000
Sensitive Receptor Risk	9.59	0.000	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (March 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table P, the maximum cancer risk for the sensitive receptor MEI would be 9.59 in one million, less than the threshold of 10 in one million. The worker receptor risk would be lower at 1.01 in one million. The total chronic hazard index would be 0.003 for the worker receptor MEI and nominal (0.000) for the sensitive receptor MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As these results show, all health risk levels to nearby residents from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from project operation emissions. The proposed project would not lead to new or more severe operational health risk impacts beyond those identified in the General Plan EIR.

Odors

The General Plan EIR found that the General Plan does not propose development of any new major odor sources; therefore, land use conflicts between major odor sources and sensitive receptors are not anticipated. However, the General Plan EIR found that exhaust odors from diesel engines, as well as emissions associated with asphalt paving and the application of architectural coatings may be considered offensive to some individuals. Similarly, diesel-fueled trucks traveling on local roadways would produce associated diesel exhaust fumes. However, the General Plan EIR found that because odors associated with diesel fumes, asphalt paving, and architectural coatings would be temporary and would disperse rapidly with distance from the source, construction-generated and mobile-source odors would not result in frequent exposure of on-site receptors to objectionable odor emissions. As a result, impacts related to odors were found to be less than significant.

During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) affecting a substantial number of people. Since the proposed project would not result in odor impacts, the proposed project would not lead to new or substantially more severe odor impacts beyond those identified in the General Plan EIR.

ENERGY IMPACTS

The following describes the potential impacts regarding energy resources that could result from implementation of the proposed project.

Energy Consumption

The General Plan EIR found that future growth within the planning area will increase demand for energy and to meet this increased demand, service providers will continue to evaluate their available levels of service and the funding sources available to meet increases in demand. The General Plan EIR determined that although the General Plan includes numerous policies and programs to increase energy efficiency and reduce energy usage, the demand for energy and consumption of energy resources would still increase. As discussed in the General Plan EIR, future land use patterns, new construction and building renovations, and commuting patterns would increase demand for energy in the planning area. The General Plan EIR found that cumulative development western Riverside County and southern California would result in a significant cumulative increase in the demand for energy and the need for construction of additional facilities to generate and/or distribute electricity. Impacts were found to be significant and unavoidable.

The proposed project would increase the demand for energy through day-to-day operations and fuel consumption associated with project construction. This section discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

Construction Energy Use

Construction of the proposed project is anticipated to begin in October 2023 and be completed in 12 months, ending in October 2024. The project would require energy for activities such as the manufacture and transportation of building materials, grading activities, and building construction. Construction of the proposed project would require electricity to power construction-related equipment. Construction of the proposed project would not involve the consumption of natural gas. The construction-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during construction.

Transportation energy represents the largest energy use during construction and would occur from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction worker vehicles that would use petroleum fuels (e.g., diesel fuel and/or gasoline). Therefore, the analysis of energy use during construction focuses on fuel consumption. Construction trucks and vendor trucks hauling materials to and from the project site would be anticipated to use diesel fuel, whereas construction workers traveling to and from the project site would be anticipated to use gasoline-powered vehicles. Fuel consumption from transportation uses depends on the type and number of trips, VMT, the fuel efficiency of the vehicles, and the travel mode.

Estimates of fuel consumption (diesel fuel and gasoline) from construction equipment, construction trucks, and construction worker vehicles were based on default construction equipment assumptions and trip estimates from CalEEMod and fuel efficiencies from EMFAC2021. Fuel consumption estimates are presented in Table Q. CalEEMod output sheets are included in Appendix A and detailed energy calculations are included in Appendix C.

Table Q: Proposed Project Energy Consumption Estimates during Construction

Energy Type	Total Energy Consumption	Percentage of Increase Countywide
Proposed Project		
Diesel Fuel (total gallons)	123,005.2	0.04
Gasoline (total gallons)	116,005.5	0.02
Project Site General Plan Buildout		
Diesel Fuel (total gallons)	145,157.9	0.05
Gasoline (total gallons)	150,309.5	0.02
Diesel Fuel Difference (Proposed Project – Project Site General Plan Buildout)	**-22,152.7**	-
Gasoline Difference (Proposed Project – Project Site General Plan Buildout)	**-34,304.0**	-

Source: Compiled by LSA (March 2023).

As indicated in Table Q, the project would consume approximately 123,005.2 gallons of diesel fuel and approximately 116,005.5 gallons of gasoline during construction. Based on fuel consumption obtained from EMFAC2021, approximately 755.0 million gallons of gasoline and approximately 299.1 million gallons of diesel will be consumed from vehicle trips in Riverside County in 2023. Therefore, construction of the proposed project would increase the annual construction generated fuel use in Riverside County approximately by approximately 0.04 percent for diesel fuel usage and by approximately 0.02 percent for gasoline fuel usage. In addition, as shown in Table Q above, gasoline and diesel fuel usage associated with the proposed project would be less than gasoline and diesel fuel usage associated with General Plan buildout. As such, project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to Riverside County's overall use of the State's available energy resources. No unusual project characteristics would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in the region or the State. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the project. The project would not cause or result in the need for additional energy facilities or an additional or expanded delivery system. For these reasons, fuel consumption during construction would not be inefficient, wasteful, or unnecessary.

Operational Energy Use

Operational energy use is typically associated with electricity consumption and fuel used for vehicle trips associated with a project. Energy consumption was estimated for the proposed project using default energy intensities by land use type in CalEEMod. The operation-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during operation of the proposed project. The proposed project would also result in diesel usage associated with the fire pump and emergency backup generator; however, the fire pump and emergency backup generator are only expected to run approximately one hour per month. Therefore, use of the fire pump and emergency backup generator are not expected to substantially increase diesel fuel usage and is not evaluated further.

The proposed project would also result in energy usage associated with gasoline and diesel fuel consumed by project-related vehicle and truck trips. Fuel use associated with vehicle and truck trips generated by the proposed project was calculated based on the project's Trip Generation and VMT Screening Analysis [59], which identifies that the proposed project would generate approximately 1,811 average daily trips, including 1,555 passenger vehicle trips, 20 two-axle truck trips, 40 three-axle truck trips, 60 four-axle truck trips, and 137 five+-axle truck trips. The approved General Plan project would generate approximately 13,611 average daily trips. The amount of operational fuel use was estimated using CARB's EMFAC2021 model, which provided projections for typical daily fuel usage in Riverside County.

Electricity and fuel usage estimates associated with the proposed project are shown in Table R.

Table R: Proposed Project Energy Consumption Estimates during Operation

Energy Type	Annual Energy Consumption
Proposed Project	
Electricity Consumption (kWh/year)	4,277,450.0
Gasoline (gallons/year)	223,289.6
Diesel Fuel (gallons/year)	496,186.2
Project Site General Plan Buildout	
Electricity Consumption (kWh/year)	4,277,450.0
Gasoline (gallons/year)	1,870,701.7
Diesel Fuel (gallons/year)	270,233.4
Electricity Consumption Difference	**0.0**
Gasoline Difference	**-1,647,412.1**
Diesel Fuel Difference	**225,952.8**

Source: Compiled by LSA (March 2023).
kWh = kilowatt-hours

As shown in Table R, the estimated potential net increase in electricity demand associated with the operation of the proposed project is 4,277,450.0 kWh per year. Total electricity consumption in Riverside County in 2021 was 16,767.2 GWh (16,767,235,877 kilowatt-hours (kWh). Therefore, operation of the proposed project would increase the annual electricity consumption in Riverside County by approximately 0.03 percent. In addition, as shown in Table R above, electricity demand with the proposed project would be approximately the same as electricity demand associated with General Plan buildout.

Electrical demand associated with project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The project would be required to adhere to all federal, State, and local requirements for energy efficiency, including the Title 24 standards. Title 24 building energy efficiency standards establish minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting, which would reduce energy usage.

[59] Environment Planning Development Solutions, Inc. 2022. op. cit.

As shown in Table R, fuel use associated with the vehicle trips generated by the proposed project is estimated at 223,289.6 gallons of gasoline and 496,186.2 gallons of diesel fuel per year. This analysis conservatively assumes that all vehicle trips generated as a result of project operation would be new to Riverside County. Based on fuel consumption obtained from EMFAC2021, approximately 755.0 million gallons of gasoline and approximately 299.1 million gallons of diesel will be consumed from vehicle trips in Riverside County in 2023. Therefore, vehicle and truck trips associated with the proposed project would increase the annual fuel use in Riverside County by approximately 0.03 percent for gasoline fuel usage and approximately 0.2 percent for diesel fuel usage. In addition, as shown in Table R above, gasoline fuel usage associated with the proposed project would be less than gasoline usage associated with the approved General Plan project. Diesel fuel usage associated with the proposed project would be greater than the diesel fuel usage associated with General Plan buildout. However, since the proposed project would result in fuel usage that is a small fraction of current annual fuel use in Riverside County, fuel consumption associated with vehicle trips generated by project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Therefore, the proposed project would not lead to new or more severe energy impacts beyond those identified in the General Plan EIR.

Conflict with Renewable Energy or Energy Efficiency Plans

In 2002, the Legislature passed SB 1389, which required the CEC to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels for the Integrated Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for ZEVs and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC's *2021 Integrated Energy Policy Report* and *2022 Integrated Energy Policy Report Update* provide the results of the CEC's assessments of a variety of energy issues facing California. As indicated above, energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the overall use in the County. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the overall use in Riverside County, and the State's available energy resources. Therefore, energy impacts at the regional level would be negligible. Because California's energy conservation planning actions are conducted at a regional level, and because the proposed project's total impact on regional energy supplies would be minor, the proposed project would not conflict with or obstruct California's energy conservation plans as described in the CEC's Integrated Energy Policy Report. Additionally, as demonstrated above, the proposed project would not result in the inefficient, wasteful, and unnecessary consumption of energy. Potential impacts related to conflict with or obstruction of a State or local plan for renewable energy or energy efficiency would be less than significant, and no mitigation is required. Therefore, the proposed project would not lead to any new or substantially more severe energy impacts beyond those identified in the General Plan EIR.

GREENHOUSE GAS IMPACTS

This section describes the potential GHG impacts associated with implementation the proposed project.

Generation of Greenhouse Gas Emissions

This section describes the proposed project's construction- and operational-related GHG emissions and contribution to global climate change. The SCAQMD has not addressed emission thresholds for construction in its *CEQA Air Quality Handbook*; however, the SCAQMD requires quantification and disclosure. Thus, an evaluation of the project's impacts related to the release of GHG emissions for both construction and operational phases of the project is described below.

Short-Term Greenhouse Gas Emissions

The General Plan EIR found that heavy-duty off-road equipment, materials transport, and worker commutes associated with future land uses consistent with the General Plan would result in exhaust GHG emissions. The General Plan EIR determined that due to the intensity and duration of construction of future land uses consistent with the General Plan, new construction would make an incremental, cumulatively considerable contribution to GHG emissions. As discussed in the General Plan EIR, although new and existing regulations will help reduce construction emissions throughout the State, GHG emissions associated with construction of future land uses consistent with the General Plan would result in a potentially significant impact. The General Plan EIR identified Mitigation Measure 4.7-1 to reduce incremental construction GHG emissions; however, it was concluded that the cumulatively considerable incremental contribution to construction GHG emissions from future land uses consistent with the General Plan would remain significant and unavoidable.

Construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

As indicated above, the SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. The SCAQMD then requires the construction GHG emissions to be amortized over the life of the project, defined by the SCAQMD as 30 years[60], added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

[60] The SCAQMD has identified the average operational lifespan of buildings to be 30 years. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf (accessed March 2023).

Using CalEEMod, it is estimated that the project would generate approximately 1,341 MT CO_2e during construction of the project. When annualized over the 30-year life of the project, annual emissions would be 44.7 MT CO_2e.

In addition, it is estimated that the construction of General Plan buildout would generate approximately 1,605 MT CO_2e during. When annualized over the 30-year life of the project, annual emissions would be 53.5 MT CO_2e.

Long-Term Greenhouse Gas Emissions

As discussed in the General Plan EIR, future land uses consistent with the General Plan would allow new dwelling units and millions of new nonresidential square feet within the planning area. The General Plan EIR found that these uses would result in increased generation of GHGs, which would contribute considerably to cumulative GHG emissions, would exceed plan-level significance thresholds currently being considered by SCAQMD, and may conflict with the CARB Scoping Plan. The General Plan EIR concluded that although adherence to State regulations, General Plan policies and programs and future preparation of a CAP would reduce both communitywide emissions and net new emissions resulting from the General Plan, this impact is considered significant. The General Plan EIR identified Mitigation Measure 4.7-2, however, impacts were found to be significant and unavoidable.

Long-term GHG emissions are typically generated from mobile sources (e.g., vehicle and truck trips), area sources (e.g., maintenance activities and landscaping), stationary sources (e.g., use of the fire pump), indirect emissions from sources associated with energy consumption, waste sources (land filling and waste disposal), and water sources (water supply and conveyance, treatment, and distribution). Mobile-source GHG emissions would include project-generated vehicle trips to and from the project. Area-source emissions would be associated with activities such as landscaping and maintenance on the project site. Energy source emissions would be generated at off-site utility providers because of increased electricity demand generated by the project. Waste source emissions generated by the proposed project include energy generated by land filling and other methods of disposal related to transporting and managing project-generated waste. In addition, water source emissions associated with the proposed project are generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment.

Following guidance from the SCAQMD, GHG emissions were estimated for the operational year of 2024 using CalEEMod. Table S shows the calculated GHG emissions for the proposed project.

Table S: Greenhouse Gas Emissions (metric tons per year)

Emissions Source	Operational Emissions (MT/yr)				
	CO_2	CH_4	N_2O	CO_2e	Percentage of Total
Proposed Project					
Mobile Sources – Vehicle and Light Duty Trucks	2,104.0	0.1	0.1	2,139.0	24
Mobile Sources – Heavy Heavy Duty Trucks	4,482.0	0.1	0.7	4,700	54
Area Sources	17.3	<0.1	<0.1	17.3	<1
Energy Sources	1,032.0	0.1	<0.1	1,036.0	12
Water Sources	389.0	6.4	0.2	596.0	7
Waste Sources	71.3	7.1	0.0	249.0	3
Stationary Sources	14.0	<0.1	<0.1	14.1	<1
Total Project Operational Emissions				**8,751.4**	**100**
Amortized Construction Emissions				44.7	-
Total Annual Emissions				**8,796.1**	**-**
SCAQMD Threshold				3,000	-
Exceed?				**Yes**	**-**
Project Site General Plan Buildout					
Mobile Sources	18,866.0	0.9	0.9	19,201.0	90
Area Sources	22.2	<0.1	<0.1	22.3	<1
Energy Sources	1,032.0	0.1	<0.1	1,036.0	5
Water Sources	500.0	8.3	0.2	765.0	4
Waste Sources	91.8	9.2	0.0	321.0	1
Total Project Site General Plan Buildout Emissions				**21,345.3**	**100**
Amortized Construction Emissions				53.5	-
Total Project Site General Plan Buildout Annual Emissions				**21,398.8**	**-**
Difference (Proposed Project – Project Site General Plan Buildout)				**-12,602.7**	**-**

Source: Compiled by LSA (March 2023)
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide
SCAQMD = South Coast Air Quality Management District

As discussed above, a project would have less than significant GHG emissions if it would result in operational-related GHG emissions of less than 3,000 MT CO_2e/yr. Based on the analysis results, the proposed project would result in approximately 8,785.4 MT CO_2e/yr, which would exceed the 3,000 MT CO_2e/yr threshold. However, as shown in Table S, the change in GHG emissions released during construction and operation of the proposed project would be less than the project site's General Plan buildout. In addition, the proposed project would be required to implement General Plan Mitigation Measures 4.7-1 and 4.7-2, which would further reduce GHG emissions. The proposed project would not lead to new or more severe GHG impacts beyond those identified in the General Plan EIR.

Consistency with Greenhouse Gas Emissions Reduction Plans

An evaluation of the proposed project's consistency with the City's CAP, the 2022 Scoping Plan, and the 2020–2045 RTP/SCS is provided below.

City of Hemet Climate Action Implementation Plan

As described above, the City adopted the Subregional WRCOG CAP in September 2018. The consistency of the project with the goals of this CAP fulfills the CEQA goal of fully informing local-agency decision-makers of the environmental impact of the project under consideration at a stage early enough to ensure that GHG emissions are addressed. Although the CAP does not include a target for 2030, the measures in the plan will continue to provide reductions after the milestone year and help demonstrate continued progress toward achieving the SB 32 2030 target. The following CAP measures would be applicable to the proposed project.

- R2-E2 New Commercial Energy Efficiency: Increase energy efficiency in new commercial developments an average of 10 percent beyond Title 24 Standards.
- R2-E4 Commercial Renewable Energy: Derive 10 percent of the electricity use in new commercial developments from renewable energy and install an average of 5Kw of solar photovoltaic cells per 10,000 square feet of building space.
- R2-W2 Water Conservation Strategies: Reduce water consumption in new developments by 20 percent through low flush toilets, landscape ordinance, incentive programs, on-site stormwater capture, and other similar programs.
- T-2 Bicycle Parking: Provide additional options for bicycle parking.
- T-3 End of Trip Facilities: Encourage the use of non-motorized transportation modes by providing appropriate facilities and amenities for commuters.
- T-12 Limit Parking Requirements for New Development: Reduce requirements for vehicle parking in new development projects.

The proposed project would be required to implement transportation measures consistent with the CAP to reduce vehicle miles traveled. The proposed project would also be consistent with the CAP goal of increasing water and energy efficiency in new buildings by complying with the latest California Building Code (Title 24), including the latest CALGreen Code standards. In addition, the proposed project would comply with local and state laws regarding solar energy. Construction of the project would include a diversion of construction waste from landfills to recycling consistent with current local and State standards and CAP goals to increase diversion and reduction of waste. As such, the proposed project would be consistent with applicable CAP measures.

Therefore, the proposed project would be consistent with applicable plans and programs designed to reduce GHG emissions. Therefore, the proposed project would not conflict with plans, policies, or regulations adopted for the purpose of reducing GHG emissions.

2022 Scoping Plan

The following discussion evaluates the proposed project according to the goals of the 2022 Scoping Plan, EO B-30-15, SB 32, and AB 197.

EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[61] to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

In addition, the 2022 Scoping Plan assesses progress toward the statutory 2030 target, while laying out a path to achieving carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

The 2022 Scoping Plan focuses on building clean energy production and distribution infrastructure for a carbon-neutral future, including transitioning existing energy production and transmission infrastructure to produce zero-carbon electricity and hydrogen, and utilizing biogas resulting from wildfire management or landfill and dairy operations, among other substitutes. The 2022 Scoping Plan states that in almost all sectors, electrification will play an important role. The 2022 Scoping Plan evaluates clean energy and technology options and the transition away from fossil fuels, including adding four times the solar and wind capacity by 2045 and about 1,700 times the amount of current hydrogen supply. As discussed in the 2022 Scoping Plan, EO N-79-20 requires that all new passenger vehicles sold in California will be zero-emission by 2035, and all other fleets will have transitioned to zero-emission as fully possible by 2045, which will reduce the percentage of fossil fuel combustion vehicles.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. As discussed above, the proposed project would comply with the CALGreen Code, regarding energy conservation and green building standards. Therefore, the proposed project would comply with applicable energy measures.

61 CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the project would comply with the CALGreen Code, which includes a variety of different measures, including the reduction of wastewater and water use. In addition, the proposed project would be required to comply with the California Model Water Efficient Landscape Ordinance. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

The goal of transportation and motor vehicle measures is to develop regional GHG emissions reduction targets for passenger vehicles. Specific regional emission targets for transportation emissions would not directly apply to the proposed project. The second phase of Pavley standards will reduce GHG emissions from new cars by 34 percent from 2016 levels by 2025, resulting in a 3 percent decrease in average vehicle emissions for all vehicles by 2020. Vehicles traveling to the project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. Therefore, the proposed project would not conflict with the identified transportation and motor vehicle measures.

2020-2045 Regional Transportation Plan/Sustainable Communities Strategy

SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit oriented communities. The 2020–2045 RTP/SCS contains transportation projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level general plan data. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2020–2045 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels). The 2020–2045 RTP/SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the 2020–2045 RTP/SCS but provides incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. The proposed project would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per capita emissions levels by 2035. Furthermore, the proposed project is not regionally significant per *State CEQA Guidelines* Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets since those targets were established and are applicable on a regional level.

Based on the nature of the proposed project, it is anticipated that implementation of the proposed project would not interfere with SCAG's ability to implement the regional strategies outlined in the RTP/SCS.

CONCLUSIONS

Based on the analysis presented above, construction and operation of the proposed project would not result in the generation of criteria air pollutants that would exceed SCAQMD thresholds of significance. Compliance with General Plan EIR Mitigation Measures 4.3-1a and 4.3-1b would further reduce construction dust impacts. In addition, General Plan EIR Mitigation Measures 4.3-1c, 4.3-1d, and 4.3-1e would further reduce operational criteria air pollutant emissions. The proposed project is not expected to produce significant emissions that would affect nearby sensitive receptors. The project would also not result in other emissions (such as those leading to odors) affecting a substantial number of people. GHG emissions released during construction and operation of the project are estimated to be lower than the project's site General Plan buildout emissions and would not lead to new or substantially more severe significant impacts associated with operational GHG emissions. In addition, the proposed project would be required to implement General Plan Mitigation Measures 4.7-1 and 4.7-2, which would further reduce GHG emissions. The project would also be consistent with the City's CAP, the State's GHG emissions reductions objectives embodied in the 2022 Scoping Plan, and the 2020–2045 RTP/SCS. As identified in the analysis presented above, the proposed project would not lead to new or substantially more severe significant air quality, energy, or GHG impacts.

APPENDIX A

CALEEMOD OUTPUT SHEETS

Kirby Street Warehouse Project - Vehicles and Light Duty Trucks Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Kirby Street Warehouse Project - Vehicles and Light Duty Trucks
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	8.60
Location	33.7399475449446, -116.99944682294563
County	Riverside-South Coast
City	Hemet
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5562
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	850	1000sqft	32.4	850,640	199,495	—	—	—
Parking Lot	955	Space	9.50	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
Mit.	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	67.1	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
Mit.	67.1	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
Mit.	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050
Mit.	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.36	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
2024	67.1	19.0	38.4	0.05	0.57	5.86	6.43	0.52	1.42	1.94	11,455	0.42	0.85	11,719
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.27	4.79	6.42	0.01	0.17	1.16	1.33	0.15	0.46	0.61	1,728	0.06	0.11	1,762
2024	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.05	0.87	1.17	< 0.005	0.03	0.21	0.24	0.03	0.08	0.11	286	0.01	0.02	292
2024	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.36	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
2024	67.1	19.0	38.4	0.05	0.57	5.86	6.43	0.52	1.42	1.94	11,455	0.42	0.85	11,719
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.27	4.79	6.42	0.01	0.17	1.16	1.33	0.15	0.46	0.61	1,728	0.06	0.11	1,762
2024	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.05	0.87	1.17	< 0.005	0.03	0.21	0.24	0.03	0.08	0.11	286	0.01	0.02	292
2024	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.7	9.19	100	0.14	0.31	4.50	4.82	0.32	0.79	1.12	23,253	82.7	1.52	48,500
Mit.	33.7	9.19	100	0.14	0.31	4.50	4.82	0.32	0.79	1.12	23,082	82.7	1.52	48,328
% Reduced	—	—	—	—	—	—	—	—	—	—	1%	< 0.5%	< 0.5%	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.4	9.31	53.4	0.13	0.26	4.50	4.77	0.26	0.79	1.05	22,217	82.7	1.54	47,415

Mit.	27.4	9.31	53.4	0.13	0.26	4.50	4.77	0.26	0.79	1.05	22,046	82.7	1.54	47,243
% Reduced	—	—	—	—	—	—	—	—	—	—	1%	< 0.5%	< 0.5%	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.4	6.74	78.0	0.13	0.14	4.50	4.65	0.15	0.79	0.94	21,916	82.7	1.54	47,138
Mit.	30.4	6.74	78.0	0.13	0.14	4.50	4.65	0.15	0.79	0.94	21,745	82.7	1.54	46,967
% Reduced	—	—	—	—	—	—	—	—	—	—	1%	< 0.5%	< 0.5%	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.55	1.23	14.2	0.02	0.03	0.82	0.85	0.03	0.14	0.17	3,628	13.7	0.26	7,804
Mit.	5.55	1.23	14.2	0.02	0.03	0.82	0.85	0.03	0.14	0.17	3,600	13.7	0.26	7,776
% Reduced	—	—	—	—	—	—	—	—	—	—	1%	< 0.5%	< 0.5%	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.03	5.50	60.0	0.13	0.09	4.50	4.59	0.08	0.79	0.87	13,466	0.50	0.53	13,695
Area	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620
Total	33.7	9.19	100	0.14	0.31	4.50	4.82	0.32	0.79	1.12	23,253	82.7	1.52	48,500

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.73	5.93	50.4	0.12	0.09	4.50	4.59	0.08	0.79	0.87	12,583	0.53	0.56	12,763
Area	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620
Total	27.4	9.31	53.4	0.13	0.26	4.50	4.77	0.26	0.79	1.05	22,217	82.7	1.54	47,415
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.68	6.07	52.3	0.13	0.09	4.50	4.59	0.08	0.79	0.87	12,711	0.53	0.56	12,917
Area	24.6	0.21	25.3	< 0.005	0.03	—	0.03	0.05	—	0.05	104	< 0.005	< 0.005	105
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.17	0.46	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	84.6	< 0.005	< 0.005	84.9
Total	30.4	6.74	78.0	0.13	0.14	4.50	4.65	0.15	0.79	0.94	21,916	82.7	1.54	47,138
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.04	1.11	9.54	0.02	0.02	0.82	0.84	0.01	0.14	0.16	2,104	0.09	0.09	2,139
Area	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,032	0.06	0.01	1,036
Water	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Waste	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Stationary	0.03	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.0	< 0.005	< 0.005	14.1

Total	5.55	1.23	14.2	0.02	0.03	0.82	0.85	0.03	0.14	0.17	3,628	13.7	0.26	7,804

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.03	5.50	60.0	0.13	0.09	4.50	4.59	0.08	0.79	0.87	13,466	0.50	0.53	13,695
Area	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,063	0.38	0.05	6,086
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620
Total	33.7	9.19	100	0.14	0.31	4.50	4.82	0.32	0.79	1.12	23,082	82.7	1.52	48,328
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.73	5.93	50.4	0.12	0.09	4.50	4.59	0.08	0.79	0.87	12,583	0.53	0.56	12,763
Area	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,063	0.38	0.05	6,086
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620
Total	27.4	9.31	53.4	0.13	0.26	4.50	4.77	0.26	0.79	1.05	22,046	82.7	1.54	47,243
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	5.68	6.07	52.3	0.13	0.09	4.50	4.59	0.08	0.79	0.87	12,711	0.53	0.56	12,917
Area	24.6	0.21	25.3	< 0.005	0.03	—	0.03	0.05	—	0.05	104	< 0.005	< 0.005	105
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,063	0.38	0.05	6,086
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.17	0.46	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	84.6	< 0.005	< 0.005	84.9
Total	30.4	6.74	78.0	0.13	0.14	4.50	4.65	0.15	0.79	0.94	21,745	82.7	1.54	46,967
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.04	1.11	9.54	0.02	0.02	0.82	0.84	0.01	0.14	0.16	2,104	0.09	0.09	2,139
Area	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,004	0.06	0.01	1,008
Water	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Waste	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Stationary	0.03	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.0	< 0.005	< 0.005	14.1
Total	5.55	1.23	14.2	0.02	0.03	0.82	0.85	0.03	0.14	0.17	3,600	13.7	0.26	7,776

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.65	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	363	0.01	< 0.005	364
Dust From Material Movement	—	—	—	—	—	0.53	0.53	—	0.27	0.27	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	60.0	< 0.005	< 0.005	60.3
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.23	0.23	0.00	0.05	0.05	236	0.01	0.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.4	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.71	< 0.005	< 0.005	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.65	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	363	0.01	< 0.005	364

Dust From Material Movement	—	—	—	—	—	0.53	0.53	—	0.27	0.27	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	60.0	< 0.005	< 0.005	60.3
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.23	0.23	0.00	0.05	0.05	236	0.01	0.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.4	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.71	< 0.005	< 0.005	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	30.3	35.3	0.06	1.25	—	1.25	1.12	—	1.12	6,598	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.66	1.94	< 0.005	0.07	—	0.07	0.06	—	0.06	362	0.01	< 0.005	363
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	59.9	< 0.005	< 0.005	60.1
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.37	0.00	0.00	0.26	0.26	0.00	0.06	0.06	270	0.01	0.01	273
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	7.30	1.70	0.04	0.11	1.55	1.66	0.11	0.43	0.55	6,085	0.11	0.97	6,376
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.0	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.40	0.09	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	333	0.01	0.05	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.48	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.2	< 0.005	0.01	57.9

3.4. Grading (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	30.3	35.3	0.06	1.25	—	1.25	1.12	—	1.12	6,598	0.27	0.05	6,621

Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.66	1.94	< 0.005	0.07	—	0.07	0.06	—	0.06	362	0.01	< 0.005	363
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	59.9	< 0.005	< 0.005	60.1
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.37	0.00	0.00	0.26	0.26	0.00	0.06	0.06	270	0.01	0.01	273
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	7.30	1.70	0.04	0.11	1.55	1.66	0.11	0.43	0.55	6,085	0.11	0.97	6,376
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.0	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	0.40	0.09	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	333	0.01	0.05	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.48	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.2	< 0.005	0.01	57.9

3.5. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.78	< 0.005	0.03	—	0.03	0.03	—	0.03	131	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.14	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	21.7	< 0.005	< 0.005	21.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	2.19	24.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,822	0.23	0.18	4,882
Vendor	0.12	5.36	1.64	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,382	0.09	0.65	4,579
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.41	0.00	0.00	0.25	0.25	0.00	0.06	0.06	268	0.01	0.01	271
Vendor	0.01	0.30	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	240	0.01	0.04	251
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.05	0.05	0.00	0.01	0.01	44.3	< 0.005	< 0.005	44.9
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.7	< 0.005	0.01	41.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.78	< 0.005	0.03	—	0.03	0.03	—	0.03	131	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.14	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	21.7	< 0.005	< 0.005	21.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	2.19	24.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,822	0.23	0.18	4,882
Vendor	0.12	5.36	1.64	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,382	0.09	0.65	4,579
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.41	0.00	0.00	0.25	0.25	0.00	0.06	0.06	268	0.01	0.01	271
Vendor	0.01	0.30	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	240	0.01	0.04	251
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.05	0.05	0.00	0.01	0.01	44.3	< 0.005	< 0.005	44.9
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.7	< 0.005	0.01	41.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.95	7.19	0.01	0.25	—	0.25	0.23	—	0.23	1,206	0.05	0.01	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.09	1.31	< 0.005	0.05	—	0.05	0.04	—	0.04	200	0.01	< 0.005	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.83	1.72	29.8	0.00	0.00	4.67	4.67	0.00	1.09	1.09	5,142	0.22	0.18	5,221
Vendor	0.13	4.91	1.52	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,329	0.09	0.65	4,536

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	2.03	22.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,726	0.22	0.18	4,785
Vendor	0.12	5.13	1.56	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,332	0.09	0.65	4,528
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	1.02	11.9	0.00	0.00	2.34	2.34	0.00	0.55	0.55	2,407	0.11	0.09	2,441
Vendor	0.06	2.58	0.78	0.02	0.03	0.60	0.63	0.03	0.17	0.20	2,178	0.05	0.33	2,279
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.19	2.18	0.00	0.00	0.43	0.43	0.00	0.10	0.10	399	0.02	0.01	404
Vendor	0.01	0.47	0.14	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	361	0.01	0.05	377
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.95	7.19	0.01	0.25	—	0.25	0.23	—	0.23	1,206	0.05	0.01	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.09	1.31	< 0.005	0.05	—	0.05	0.04	—	0.04	200	0.01	< 0.005	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.83	1.72	29.8	0.00	0.00	4.67	4.67	0.00	1.09	1.09	5,142	0.22	0.18	5,221
Vendor	0.13	4.91	1.52	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,329	0.09	0.65	4,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	2.03	22.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,726	0.22	0.18	4,785
Vendor	0.12	5.13	1.56	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,332	0.09	0.65	4,528
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	1.02	11.9	0.00	0.00	2.34	2.34	0.00	0.55	0.55	2,407	0.11	0.09	2,441
Vendor	0.06	2.58	0.78	0.02	0.03	0.60	0.63	0.03	0.17	0.20	2,178	0.05	0.33	2,279
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.19	2.18	0.00	0.00	0.43	0.43	0.00	0.10	0.10	399	0.02	0.01	404
Vendor	0.01	0.47	0.14	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	361	0.01	0.05	377
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	1,512	0.06	0.01	1,517
Paving	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.24	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	41.4	< 0.005	< 0.005	41.6
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.86	< 0.005	< 0.005	6.88
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	216	0.01	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.51	< 0.005	< 0.005	5.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	1,512	0.06	0.01	1,517
Paving	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.24	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	41.4	< 0.005	< 0.005	41.6
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.86	< 0.005	< 0.005	6.88
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	216	0.01	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.51	< 0.005	< 0.005	5.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.36	0.32	< 0.005	0.02	—	0.02	0.02	—	0.02	43.9	< 0.005	< 0.005	44.0
Architectural Coatings	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	7.27	< 0.005	< 0.005	7.29
Architectural Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	5.97	0.00	0.00	0.93	0.93	0.00	0.22	0.22	1,028	0.04	0.04	1,044
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.41	4.51	0.00	0.00	0.93	0.93	0.00	0.22	0.22	945	0.04	0.04	957
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.56	0.00	0.00	0.31	0.31	0.00	0.07	0.07	315	0.01	0.01	319
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	52.1	< 0.005	< 0.005	52.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.36	0.32	< 0.005	0.02	—	0.02	0.02	—	0.02	43.9	< 0.005	< 0.005	44.0
Architectural Coatings	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	7.27	< 0.005	< 0.005	7.29
Architectural Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	5.97	0.00	0.00	0.93	0.93	0.00	0.22	0.22	1,028	0.04	0.04	1,044
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.41	4.51	0.00	0.00	0.93	0.93	0.00	0.22	0.22	945	0.04	0.04	957
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.56	0.00	0.00	0.31	0.31	0.00	0.07	0.07	315	0.01	0.01	319
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	52.1	< 0.005	< 0.005	52.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	6.03	5.50	60.0	0.13	0.09	4.50	4.59	0.08	0.79	0.87	13,466	0.50	0.53	13,695
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.03	5.50	60.0	0.13	0.09	4.50	4.59	0.08	0.79	0.87	13,466	0.50	0.53	13,695
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	5.73	5.93	50.4	0.12	0.09	4.50	4.59	0.08	0.79	0.87	12,583	0.53	0.56	12,763
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.73	5.93	50.4	0.12	0.09	4.50	4.59	0.08	0.79	0.87	12,583	0.53	0.56	12,763
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.04	1.11	9.54	0.02	0.02	0.82	0.84	0.01	0.14	0.16	2,104	0.09	0.09	2,139
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.04	1.11	9.54	0.02	0.02	0.82	0.84	0.01	0.14	0.16	2,104	0.09	0.09	2,139

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	6.03	5.50	60.0	0.13	0.09	4.50	4.59	0.08	0.79	0.87	13,466	0.50	0.53	13,695
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.03	5.50	60.0	0.13	0.09	4.50	4.59	0.08	0.79	0.87	13,466	0.50	0.53	13,695
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	5.73	5.93	50.4	0.12	0.09	4.50	4.59	0.08	0.79	0.87	12,583	0.53	0.56	12,763
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.73	5.93	50.4	0.12	0.09	4.50	4.59	0.08	0.79	0.87	12,583	0.53	0.56	12,763
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.04	1.11	9.54	0.02	0.02	0.82	0.84	0.01	0.14	0.16	2,104	0.09	0.09	2,139
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.04	1.11	9.54	0.02	0.02	0.82	0.84	0.01	0.14	0.16	2,104	0.09	0.09	2,139

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,706	0.35	0.04	5,728
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,234	0.39	0.05	6,258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,706	0.35	0.04	5,728
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,234	0.39	0.05	6,258
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	945	0.06	0.01	948
Parking Lot	—	—	—	—	—	—	—	—	—	—	87.5	0.01	< 0.005	87.8
Total	—	—	—	—	—	—	—	—	—	—	1,032	0.06	0.01	1,036

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,535	0.34	0.04	5,556
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,063	0.38	0.05	6,086
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,535	0.34	0.04	5,556
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,063	0.38	0.05	6,086
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	916	0.06	0.01	920
Parking Lot	—	—	—	—	—	—	—	—	—	—	87.5	0.01	< 0.005	87.8
Total	—	—	—	—	—	—	—	—	—	—	1,004	0.06	0.01	1,008

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.07	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Total	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.33	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.76	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Total	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.07	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Total	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.33	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.76	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Total	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Emergency Generator	0.88	2.46	2.24	< 0.005	0.13	—	0.13	0.13	—	0.13	450	0.02	< 0.005	451
Total	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Emergency Generator	0.88	2.46	2.24	< 0.005	0.13	—	0.13	0.13	—	0.13	450	0.02	< 0.005	451
Total	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82
Emergency Generator	0.02	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	10.2	< 0.005	< 0.005	10.2
Total	0.03	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.0	< 0.005	< 0.005	14.1

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Emergency Generator	0.88	2.46	2.24	< 0.005	0.13	—	0.13	0.13	—	0.13	450	0.02	< 0.005	451
Total	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Emergency Generator	0.88	2.46	2.24	< 0.005	0.13	—	0.13	0.13	—	0.13	450	0.02	< 0.005	451
Total	1.21	3.38	3.08	0.01	0.18	—	0.18	0.18	—	0.18	618	0.02	< 0.005	620
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82
Emergency Generator	0.02	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	10.2	< 0.005	< 0.005	10.2
Total	0.03	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.0	< 0.005	< 0.005	14.1

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	10/2/2023	11/3/2023	5.00	25.0	—
Grading	Grading	11/6/2023	12/1/2023	5.00	20.0	—
Building Construction	Building Construction	12/4/2023	9/13/2024	5.00	205	—
Paving	Paving	9/16/2024	9/27/2024	5.00	10.0	—
Architectural Coating	Architectural Coating	4/22/2024	10/4/2024	5.00	120	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 3	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 3	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	85.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	357	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	139	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	71.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	85.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	357	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	139	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	71.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,275,960	425,320	24,829

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	37.5	0.00	—
Grading	13,700	0.00	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	9.50

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	9.50	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,615	1,615	1,615	589,475	16,376	16,376	16,376	5,977,343
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,615	1,615	1,615	589,475	16,376	16,376	16,376	5,977,343
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,275,960	425,320	24,829

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	3,914,944	532	0.0330	0.0040	0.00
Parking Lot	362,506	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Unrefrigerated Warehouse-No Rail	3,797,496	532	0.0330	0.0040	0.00
Parking Lot	362,506	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	196,562,500	3,163,135
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	196,562,500	3,163,135
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	799	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	799	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	200	0.73
Emergency Generator	Diesel	1.00	1.00	50.0	536	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Project would construct a 850,640 warehouse in a 41.86 acre project site
Construction: Construction Phases	Construction will start in October 2024 and last 12 months. Overlap of building construction and architectural coating phases.
Construction: Off-Road Equipment	Default construction equipment with Tier 3 engine
Operations: Vehicle Data	Based on passenger vehicles and light duty trucks only. Total of 1,614 ADT including 40 light duty trucks.
Operations: Fleet Mix	Total of 1,614 ADT including 40 light duty trucks.
Operations: Energy Use	Project would not include natural gas
Operations: Emergency Generators and Fire Pumps	Project would include a 200 HP fire pump and a 536 HP diesel backup generator. Assuming they will run for 1 hour/day and 50 hours/year.

Kirby Street Warehouse Project - Heavy Heavy Duty Trucks Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Kirby Street Warehouse Project - Heavy Heavy Duty Trucks
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	8.60
Location	33.7399475449446, -116.99944682294563
County	Riverside-South Coast
City	Hemet
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5562
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	850	1000sqft	32.4	850,640	199,495	—	—	—
Parking Lot	955	Space	9.50	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
Mit.	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	67.1	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
Mit.	67.1	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
Mit.	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050
Mit.	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.36	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
2024	67.1	19.0	38.4	0.05	0.57	5.86	6.43	0.52	1.42	1.94	11,455	0.42	0.85	11,719
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.27	4.79	6.42	0.01	0.17	1.16	1.33	0.15	0.46	0.61	1,728	0.06	0.11	1,762
2024	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.05	0.87	1.17	< 0.005	0.03	0.21	0.24	0.03	0.08	0.11	286	0.01	0.02	292
2024	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	70.0	19.9	52.6	0.06	0.63	6.80	7.43	0.58	1.64	2.22	13,031	0.46	0.88	13,341
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.36	37.8	40.5	0.10	1.36	7.89	8.84	1.24	3.99	4.83	12,953	0.42	1.03	13,270
2024	67.1	19.0	38.4	0.05	0.57	5.86	6.43	0.52	1.42	1.94	11,455	0.42	0.85	11,719
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.27	4.79	6.42	0.01	0.17	1.16	1.33	0.15	0.46	0.61	1,728	0.06	0.11	1,762
2024	23.3	10.3	22.1	0.03	0.32	3.24	3.56	0.29	0.79	1.08	6,196	0.23	0.44	6,340
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.05	0.87	1.17	< 0.005	0.03	0.21	0.24	0.03	0.08	0.11	286	0.01	0.02	292
2024	4.25	1.88	4.03	0.01	0.06	0.59	0.65	0.05	0.14	0.20	1,026	0.04	0.07	1,050

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.2	29.4	43.4	0.26	0.57	3.68	4.25	0.57	0.87	1.43	36,407	82.7	5.27	62,773
Mit.	27.2	29.4	43.4	0.26	0.57	3.68	4.25	0.57	0.87	1.43	36,236	82.7	5.27	62,601
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.1	30.3	6.43	0.25	0.52	3.68	4.20	0.50	0.87	1.37	36,262	82.7	5.27	62,571

Mit.	21.1	30.3	6.43	0.25	0.52	3.68	4.20	0.50	0.87	1.37	36,091	82.7	5.27	62,399
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.0	30.0	31.0	0.25	0.51	3.68	4.19	0.50	0.87	1.37	36,218	82.7	5.27	62,549
Mit.	25.0	30.0	31.0	0.25	0.51	3.68	4.19	0.50	0.87	1.37	36,046	82.7	5.27	62,378
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.56	5.48	5.66	0.05	0.09	0.67	0.77	0.09	0.16	0.25	5,996	13.7	0.87	10,356
Mit.	4.56	5.48	5.66	0.05	0.09	0.67	0.77	0.09	0.16	0.25	5,968	13.7	0.87	10,327
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.36	28.2	5.53	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,071	0.49	4.29	28,419
Area	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	27.2	29.4	43.4	0.26	0.57	3.68	4.25	0.57	0.87	1.43	36,407	82.7	5.27	62,773

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35	29.4	5.59	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,078	0.49	4.29	28,370
Area	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	21.1	30.3	6.43	0.25	0.52	3.68	4.20	0.50	0.87	1.37	36,262	82.7	5.27	62,571
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.36	29.7	5.55	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,074	0.49	4.29	28,390
Area	24.6	0.21	25.3	< 0.005	0.03	—	0.03	0.05	—	0.05	104	< 0.005	< 0.005	105
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.04	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	23.0	< 0.005	< 0.005	23.1
Total	25.0	30.0	31.0	0.25	0.51	3.68	4.19	0.50	0.87	1.37	36,218	82.7	5.27	62,549
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.06	5.42	1.01	0.05	0.09	0.67	0.76	0.08	0.16	0.24	4,482	0.08	0.71	4,700
Area	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,032	0.06	0.01	1,036
Water	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Waste	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Stationary	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82

Total	4.56	5.48	5.66	0.05	0.09	0.67	0.77	0.09	0.16	0.25	5,996	13.7	0.87	10,356

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.36	28.2	5.53	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,071	0.49	4.29	28,419
Area	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,063	0.38	0.05	6,086
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	27.2	29.4	43.4	0.26	0.57	3.68	4.25	0.57	0.87	1.43	36,236	82.7	5.27	62,601
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35	29.4	5.59	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,078	0.49	4.29	28,370
Area	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,063	0.38	0.05	6,086
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	21.1	30.3	6.43	0.25	0.52	3.68	4.20	0.50	0.87	1.37	36,091	82.7	5.27	62,399
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.36	29.7	5.55	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,074	0.49	4.29	28,390
Area	24.6	0.21	25.3	< 0.005	0.03	—	0.03	0.05	—	0.05	104	< 0.005	< 0.005	105
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,063	0.38	0.05	6,086
Water	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Waste	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Stationary	0.04	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	23.0	< 0.005	< 0.005	23.1
Total	25.0	30.0	31.0	0.25	0.51	3.68	4.19	0.50	0.87	1.37	36,046	82.7	5.27	62,378
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.06	5.42	1.01	0.05	0.09	0.67	0.76	0.08	0.16	0.24	4,482	0.08	0.71	4,700
Area	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,004	0.06	0.01	1,008
Water	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Waste	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Stationary	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82
Total	4.56	5.48	5.66	0.05	0.09	0.67	0.77	0.09	0.16	0.25	5,968	13.7	0.87	10,327

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.65	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	363	0.01	< 0.005	364
Dust From Material Movement	—	—	—	—	—	0.53	0.53	—	0.27	0.27	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	60.0	< 0.005	< 0.005	60.3
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.23	0.23	0.00	0.05	0.05	236	0.01	0.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.4	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.71	< 0.005	< 0.005	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.65	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	363	0.01	< 0.005	364

Dust From Material Movement	—	—	—	—	—	0.53	0.53	—	0.27	0.27	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	60.0	< 0.005	< 0.005	60.3
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.23	0.23	0.00	0.05	0.05	236	0.01	0.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.4	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.71	< 0.005	< 0.005	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	30.3	35.3	0.06	1.25	—	1.25	1.12	—	1.12	6,598	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.66	1.94	< 0.005	0.07	—	0.07	0.06	—	0.06	362	0.01	< 0.005	363
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	59.9	< 0.005	< 0.005	60.1
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.37	0.00	0.00	0.26	0.26	0.00	0.06	0.06	270	0.01	0.01	273
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	7.30	1.70	0.04	0.11	1.55	1.66	0.11	0.43	0.55	6,085	0.11	0.97	6,376
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.0	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.40	0.09	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	333	0.01	0.05	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.48	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.2	< 0.005	0.01	57.9

3.4. Grading (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	30.3	35.3	0.06	1.25	—	1.25	1.12	—	1.12	6,598	0.27	0.05	6,621

Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.66	1.94	< 0.005	0.07	—	0.07	0.06	—	0.06	362	0.01	< 0.005	363
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	59.9	< 0.005	< 0.005	60.1
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.37	0.00	0.00	0.26	0.26	0.00	0.06	0.06	270	0.01	0.01	273
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	7.30	1.70	0.04	0.11	1.55	1.66	0.11	0.43	0.55	6,085	0.11	0.97	6,376
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.0	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	0.40	0.09	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	333	0.01	0.05	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.48	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.2	< 0.005	0.01	57.9

3.5. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.78	< 0.005	0.03	—	0.03	0.03	—	0.03	131	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.14	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	21.7	< 0.005	< 0.005	21.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	2.19	24.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,822	0.23	0.18	4,882
Vendor	0.12	5.36	1.64	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,382	0.09	0.65	4,579
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.41	0.00	0.00	0.25	0.25	0.00	0.06	0.06	268	0.01	0.01	271
Vendor	0.01	0.30	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	240	0.01	0.04	251
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.05	0.05	0.00	0.01	0.01	44.3	< 0.005	< 0.005	44.9
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.7	< 0.005	0.01	41.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.78	< 0.005	0.03	—	0.03	0.03	—	0.03	131	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.14	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	21.7	< 0.005	< 0.005	21.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	2.19	24.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,822	0.23	0.18	4,882
Vendor	0.12	5.36	1.64	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,382	0.09	0.65	4,579
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.41	0.00	0.00	0.25	0.25	0.00	0.06	0.06	268	0.01	0.01	271
Vendor	0.01	0.30	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	240	0.01	0.04	251
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.05	0.05	0.00	0.01	0.01	44.3	< 0.005	< 0.005	44.9
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.7	< 0.005	0.01	41.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.95	7.19	0.01	0.25	—	0.25	0.23	—	0.23	1,206	0.05	0.01	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.09	1.31	< 0.005	0.05	—	0.05	0.04	—	0.04	200	0.01	< 0.005	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.83	1.72	29.8	0.00	0.00	4.67	4.67	0.00	1.09	1.09	5,142	0.22	0.18	5,221
Vendor	0.13	4.91	1.52	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,329	0.09	0.65	4,536

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	2.03	22.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,726	0.22	0.18	4,785
Vendor	0.12	5.13	1.56	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,332	0.09	0.65	4,528
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	1.02	11.9	0.00	0.00	2.34	2.34	0.00	0.55	0.55	2,407	0.11	0.09	2,441
Vendor	0.06	2.58	0.78	0.02	0.03	0.60	0.63	0.03	0.17	0.20	2,178	0.05	0.33	2,279
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.19	2.18	0.00	0.00	0.43	0.43	0.00	0.10	0.10	399	0.02	0.01	404
Vendor	0.01	0.47	0.14	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	361	0.01	0.05	377
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.95	7.19	0.01	0.25	—	0.25	0.23	—	0.23	1,206	0.05	0.01	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.09	1.31	< 0.005	0.05	—	0.05	0.04	—	0.04	200	0.01	< 0.005	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.83	1.72	29.8	0.00	0.00	4.67	4.67	0.00	1.09	1.09	5,142	0.22	0.18	5,221
Vendor	0.13	4.91	1.52	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,329	0.09	0.65	4,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	2.03	22.6	0.00	0.00	4.67	4.67	0.00	1.09	1.09	4,726	0.22	0.18	4,785
Vendor	0.12	5.13	1.56	0.03	0.06	1.19	1.26	0.06	0.33	0.39	4,332	0.09	0.65	4,528
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	1.02	11.9	0.00	0.00	2.34	2.34	0.00	0.55	0.55	2,407	0.11	0.09	2,441
Vendor	0.06	2.58	0.78	0.02	0.03	0.60	0.63	0.03	0.17	0.20	2,178	0.05	0.33	2,279
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.19	2.18	0.00	0.00	0.43	0.43	0.00	0.10	0.10	399	0.02	0.01	404
Vendor	0.01	0.47	0.14	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	361	0.01	0.05	377
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	1,512	0.06	0.01	1,517
Paving	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.24	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	41.4	< 0.005	< 0.005	41.6
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.86	< 0.005	< 0.005	6.88
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	216	0.01	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.51	< 0.005	< 0.005	5.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	1,512	0.06	0.01	1,517
Paving	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.24	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	41.4	< 0.005	< 0.005	41.6
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.86	< 0.005	< 0.005	6.88
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	216	0.01	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.51	< 0.005	< 0.005	5.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.36	0.32	< 0.005	0.02	—	0.02	0.02	—	0.02	43.9	< 0.005	< 0.005	44.0
Architectural Coatings	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	7.27	< 0.005	< 0.005	7.29
Architectural Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	5.97	0.00	0.00	0.93	0.93	0.00	0.22	0.22	1,028	0.04	0.04	1,044
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.41	4.51	0.00	0.00	0.93	0.93	0.00	0.22	0.22	945	0.04	0.04	957
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.56	0.00	0.00	0.31	0.31	0.00	0.07	0.07	315	0.01	0.01	319
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	52.1	< 0.005	< 0.005	52.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.36	0.32	< 0.005	0.02	—	0.02	0.02	—	0.02	43.9	< 0.005	< 0.005	44.0
Architectural Coatings	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	7.27	< 0.005	< 0.005	7.29
Architectural Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	5.97	0.00	0.00	0.93	0.93	0.00	0.22	0.22	1,028	0.04	0.04	1,044
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.41	4.51	0.00	0.00	0.93	0.93	0.00	0.22	0.22	945	0.04	0.04	957
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.56	0.00	0.00	0.31	0.31	0.00	0.07	0.07	315	0.01	0.01	319
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	52.1	< 0.005	< 0.005	52.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.36	28.2	5.53	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,071	0.49	4.29	28,419
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.36	28.2	5.53	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,071	0.49	4.29	28,419
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.35	29.4	5.59	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,078	0.49	4.29	28,370
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.35	29.4	5.59	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,078	0.49	4.29	28,370
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.06	5.42	1.01	0.05	0.09	0.67	0.76	0.08	0.16	0.24	4,482	0.08	0.71	4,700
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.06	5.42	1.01	0.05	0.09	0.67	0.76	0.08	0.16	0.24	4,482	0.08	0.71	4,700

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.36	28.2	5.53	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,071	0.49	4.29	28,419
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.36	28.2	5.53	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,071	0.49	4.29	28,419
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.35	29.4	5.59	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,078	0.49	4.29	28,370
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.35	29.4	5.59	0.25	0.47	3.68	4.15	0.45	0.87	1.32	27,078	0.49	4.29	28,370
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.06	5.42	1.01	0.05	0.09	0.67	0.76	0.08	0.16	0.24	4,482	0.08	0.71	4,700
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.06	5.42	1.01	0.05	0.09	0.67	0.76	0.08	0.16	0.24	4,482	0.08	0.71	4,700

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,706	0.35	0.04	5,728
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,234	0.39	0.05	6,258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,706	0.35	0.04	5,728
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,234	0.39	0.05	6,258
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	945	0.06	0.01	948
Parking Lot	—	—	—	—	—	—	—	—	—	—	87.5	0.01	< 0.005	87.8
Total	—	—	—	—	—	—	—	—	—	—	1,032	0.06	0.01	1,036

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,535	0.34	0.04	5,556
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,063	0.38	0.05	6,086
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,535	0.34	0.04	5,556
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,063	0.38	0.05	6,086
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	916	0.06	0.01	920
Parking Lot	—	—	—	—	—	—	—	—	—	—	87.5	0.01	< 0.005	87.8
Total	—	—	—	—	—	—	—	—	—	—	1,004	0.06	0.01	1,008

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.07	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Total	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.33	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.76	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Total	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.07	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Total	26.5	0.31	37.0	< 0.005	0.05	—	0.05	0.07	—	0.07	152	0.01	< 0.005	153
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.33	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.76	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3
Total	4.49	0.04	4.62	< 0.005	0.01	—	0.01	0.01	—	0.01	17.3	< 0.005	< 0.005	17.3

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	2,351	38.7	0.93	3,598
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	389	6.41	0.15	596

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	431	43.0	0.00	1,507
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	71.3	7.13	0.00	249

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	22,670
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,753

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82
Total	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Total	0.33	0.92	0.84	< 0.005	0.05	—	0.05	0.05	—	0.05	168	0.01	< 0.005	168
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82
Total	0.01	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.81	< 0.005	< 0.005	3.82

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	10/2/2023	11/3/2023	5.00	25.0	—
Grading	Grading	11/6/2023	12/1/2023	5.00	20.0	—
Building Construction	Building Construction	12/4/2023	9/13/2024	5.00	205	—
Paving	Paving	9/16/2024	9/27/2024	5.00	10.0	—
Architectural Coating	Architectural Coating	4/22/2024	10/4/2024	5.00	120	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41

Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 3	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 3	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74

Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	85.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	357	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	139	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	71.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	85.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	357	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	139	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	71.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,275,960	425,320	24,829

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	37.5	0.00	—
Grading	13,700	0.00	60.0	0.00	—

Paving	0.00	0.00	0.00	0.00	9.50

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	9.50	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	196	196	196	71,358	7,820	7,820	7,820	2,854,300
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	196	196	196	71,358	7,820	7,820	7,820	2,854,300
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,275,960	425,320	24,829

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	3,914,944	532	0.0330	0.0040	0.00
Parking Lot	362,506	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	3,797,496	532	0.0330	0.0040	0.00
Parking Lot	362,506	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	196,562,500	3,163,135
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	196,562,500	3,163,135
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	799	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	799	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	200	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	Project would construct a 850,640 warehouse in a 41.86 acre project site
Construction: Construction Phases	Construction will start in October 2024 and last 12 months. Overlap of building construction and architectural coating phases.
Construction: Off-Road Equipment	Default construction equipment with Tier 3 engine
Operations: Vehicle Data	Based on heavy heavy duty trucks only. Total of 197 ADT
Operations: Fleet Mix	Heavy heavy duty trucks only.

Operations: Energy Use	Project would not include natural gas
Operations: Emergency Generators and Fire Pumps	Project would use a 200 HP fire pump. Assuming 1 hour per day and 50 hours per year.

Kirby Street Warehouse Project - General Plan Buildout Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Kirby Street Warehouse Project - General Plan Buildout
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	8.60
Location	33.7399475449446, -116.99944682294563
County	Riverside-South Coast
City	Hemet
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5562
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	1,094	1000sqft	32.4	1,094,102	199,495	—	—	—
Parking Lot	955	Space	9.50	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	89.0	21.9	63.3	0.07	0.65	8.74	9.39	0.60	2.11	2.71	16,036	0.56	1.13	16,433
Mit.	89.0	21.9	63.3	0.07	0.65	8.74	9.39	0.60	2.11	2.71	16,036	0.56	1.13	16,433
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	86.0	37.8	48.0	0.10	1.36	7.89	8.84	1.24	3.99	4.83	14,236	0.52	1.09	14,574
Mit.	86.0	37.8	48.0	0.10	1.36	7.89	8.84	1.24	3.99	4.83	14,236	0.52	1.09	14,574
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.8	11.3	26.2	0.03	0.33	4.17	4.50	0.30	1.01	1.31	7,599	0.28	0.56	7,782
Mit.	29.8	11.3	26.2	0.03	0.33	4.17	4.50	0.30	1.01	1.31	7,599	0.28	0.56	7,782
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	5.43	2.07	4.78	0.01	0.06	0.76	0.82	0.05	0.18	0.24	1,258	0.05	0.09	1,288
Mit.	5.43	2.07	4.78	0.01	0.06	0.76	0.82	0.05	0.18	0.24	1,258	0.05	0.09	1,288
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	89.0	21.9	63.3	0.07	0.65	8.74	9.39	0.60	2.11	2.71	16,036	0.56	1.13	16,433
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.92	37.8	48.0	0.10	1.36	7.89	8.84	1.24	3.99	4.83	14,236	0.52	1.09	14,574
2024	86.0	21.0	45.3	0.06	0.58	7.54	8.13	0.54	1.83	2.37	14,047	0.51	1.09	14,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.30	4.91	6.85	0.01	0.17	1.25	1.42	0.15	0.48	0.63	1,873	0.07	0.12	1,912
2024	29.8	11.3	26.2	0.03	0.33	4.17	4.50	0.30	1.01	1.31	7,599	0.28	0.56	7,782
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.06	0.90	1.25	< 0.005	0.03	0.23	0.26	0.03	0.09	0.12	310	0.01	0.02	317
2024	5.43	2.07	4.78	0.01	0.06	0.76	0.82	0.05	0.18	0.24	1,258	0.05	0.09	1,288

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	89.0	21.9	63.3	0.07	0.65	8.74	9.39	0.60	2.11	2.71	16,036	0.56	1.13	16,433
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.92	37.8	48.0	0.10	1.36	7.89	8.84	1.24	3.99	4.83	14,236	0.52	1.09	14,574
2024	86.0	21.0	45.3	0.06	0.58	7.54	8.13	0.54	1.83	2.37	14,047	0.51	1.09	14,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.30	4.91	6.85	0.01	0.17	1.25	1.42	0.15	0.48	0.63	1,873	0.07	0.12	1,912
2024	29.8	11.3	26.2	0.03	0.33	4.17	4.50	0.30	1.01	1.31	7,599	0.28	0.56	7,782
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.06	0.90	1.25	< 0.005	0.03	0.23	0.26	0.03	0.09	0.12	310	0.01	0.02	317
2024	5.43	2.07	4.78	0.01	0.06	0.76	0.82	0.05	0.18	0.24	1,258	0.05	0.09	1,288

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	95.2	57.2	558	1.18	0.97	38.4	39.3	0.93	6.82	7.75	130,224	111	6.65	164,616
Mit.	95.2	57.2	558	1.18	0.97	38.4	39.3	0.93	6.82	7.75	130,091	111	6.65	164,482
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	83.0	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	122,697	111	6.84	156,678

Mit.	83.0	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	122,564	111	6.83	156,544
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	87.8	62.4	478	1.12	0.95	38.4	39.3	0.91	6.82	7.73	123,893	111	6.89	158,088
Mit.	87.8	62.4	478	1.12	0.95	38.4	39.3	0.91	6.82	7.73	123,760	111	6.89	157,954
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.0	11.4	87.2	0.20	0.17	7.00	7.18	0.17	1.24	1.41	20,512	18.4	1.14	26,173
Mit.	16.0	11.4	87.2	0.20	0.17	7.00	7.18	0.17	1.24	1.41	20,490	18.4	1.14	26,151
% Reduced	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	61.2	56.8	510	1.18	0.91	38.4	39.3	0.85	6.82	7.67	120,220	5.06	5.40	122,441
Area	34.1	0.40	47.6	< 0.005	0.06	—	0.06	0.08	—	0.08	196	0.01	< 0.005	196
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Waste	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	95.2	57.2	558	1.18	0.97	38.4	39.3	0.93	6.82	7.75	130,224	111	6.65	164,616
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	56.7	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	112,889	5.28	5.59	114,699
Area	26.3	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Waste	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	83.0	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	122,697	111	6.84	156,678
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	56.2	62.1	445	1.11	0.91	38.4	39.3	0.85	6.82	7.67	113,951	5.29	5.64	115,975
Area	31.6	0.27	32.6	< 0.005	0.04	—	0.04	0.06	—	0.06	134	0.01	< 0.005	135
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,234	0.39	0.05	6,258
Water	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Waste	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	87.8	62.4	478	1.12	0.95	38.4	39.3	0.91	6.82	7.73	123,893	111	6.89	158,088
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	11.3	81.3	0.20	0.17	7.00	7.17	0.16	1.24	1.40	18,866	0.88	0.93	19,201
Area	5.77	0.05	5.95	< 0.005	0.01	—	0.01	0.01	—	0.01	22.2	< 0.005	< 0.005	22.3
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,032	0.06	0.01	1,036
Water	—	—	—	—	—	—	—	—	—	—	500	8.26	0.20	765
Waste	—	—	—	—	—	—	—	—	—	—	91.8	9.17	0.00	321
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	4,827
Total	16.0	11.4	87.2	0.20	0.17	7.00	7.18	0.17	1.24	1.41	20,512	18.4	1.14	26,173

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	61.2	56.8	510	1.18	0.91	38.4	39.3	0.85	6.82	7.67	120,220	5.06	5.40	122,441
Area	34.1	0.40	47.6	< 0.005	0.06	—	0.06	0.08	—	0.08	196	0.01	< 0.005	196
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,101	0.38	0.05	6,124
Water	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Waste	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	95.2	57.2	558	1.18	0.97	38.4	39.3	0.93	6.82	7.75	130,091	111	6.65	164,482
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	56.7	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	112,889	5.28	5.59	114,699
Area	26.3	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,101	0.38	0.05	6,124
Water	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Waste	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	83.0	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	122,564	111	6.83	156,544
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	56.2	62.1	445	1.11	0.91	38.4	39.3	0.85	6.82	7.67	113,951	5.29	5.64	115,975
Area	31.6	0.27	32.6	< 0.005	0.04	—	0.04	0.06	—	0.06	134	0.01	< 0.005	135
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	6,101	0.38	0.05	6,124
Water	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Waste	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158

Total	87.8	62.4	478	1.12	0.95	38.4	39.3	0.91	6.82	7.73	123,760	111	6.89	157,954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	11.3	81.3	0.20	0.17	7.00	7.17	0.16	1.24	1.40	18,866	0.88	0.93	19,201
Area	5.77	0.05	5.95	< 0.005	0.01	—	0.01	0.01	—	0.01	22.2	< 0.005	< 0.005	22.3
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,010	0.06	0.01	1,014
Water	—	—	—	—	—	—	—	—	—	—	500	8.26	0.20	765
Waste	—	—	—	—	—	—	—	—	—	—	91.8	9.17	0.00	321
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	4,827
Total	16.0	11.4	87.2	0.20	0.17	7.00	7.18	0.17	1.24	1.41	20,490	18.4	1.14	26,151

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.06	1.65	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	363	0.01	< 0.005	364
Dust From Material Movement	—	—	—	—	—	0.53	0.53	—	0.27	0.27	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	60.0	< 0.005	< 0.005	60.3
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.23	0.23	0.00	0.05	0.05	236	0.01	0.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.4	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.71	< 0.005	< 0.005	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.65	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	363	0.01	< 0.005	364
Dust From Material Movement	—	—	—	—	—	0.53	0.53	—	0.27	0.27	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	60.0	< 0.005	< 0.005	60.3
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.23	0.23	0.00	0.05	0.05	236	0.01	0.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.4	< 0.005	< 0.005	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.71	< 0.005	< 0.005	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	30.3	35.3	0.06	1.25	—	1.25	1.12	—	1.12	6,598	0.27	0.05	6,621

Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.66	1.94	< 0.005	0.07	—	0.07	0.06	—	0.06	362	0.01	< 0.005	363
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	59.9	< 0.005	< 0.005	60.1
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.37	0.00	0.00	0.26	0.26	0.00	0.06	0.06	270	0.01	0.01	273
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	7.30	1.70	0.04	0.11	1.55	1.66	0.11	0.43	0.55	6,085	0.11	0.97	6,376
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.0	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	0.40	0.09	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	333	0.01	0.05	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.48	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.2	< 0.005	0.01	57.9

3.4. Grading (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	30.3	35.3	0.06	1.25	—	1.25	1.12	—	1.12	6,598	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.66	1.94	< 0.005	0.07	—	0.07	0.06	—	0.06	362	0.01	< 0.005	363
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.30	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	59.9	< 0.005	< 0.005	60.1
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.37	0.00	0.00	0.26	0.26	0.00	0.06	0.06	270	0.01	0.01	273
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	7.30	1.70	0.04	0.11	1.55	1.66	0.11	0.43	0.55	6,085	0.11	0.97	6,376
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.0	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.40	0.09	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	333	0.01	0.05	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.48	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.2	< 0.005	0.01	57.9

3.5. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.78	< 0.005	0.03	—	0.03	0.03	—	0.03	131	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.14	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	21.7	< 0.005	< 0.005	21.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.33	2.82	31.6	0.00	0.00	6.01	6.01	0.00	1.41	1.41	6,203	0.30	0.23	6,279
Vendor	0.16	6.89	2.10	0.04	0.08	1.53	1.61	0.08	0.42	0.50	5,636	0.12	0.84	5,889
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.16	1.82	0.00	0.00	0.33	0.33	0.00	0.08	0.08	344	0.02	0.01	349
Vendor	0.01	0.38	0.11	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	309	0.01	0.05	323

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.06	0.06	0.00	0.01	0.01	57.0	< 0.005	< 0.005	57.8
Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	51.1	< 0.005	0.01	53.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.65	0.78	< 0.005	0.03	—	0.03	0.03	—	0.03	131	0.01	< 0.005	132
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.14	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	21.7	< 0.005	< 0.005	21.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.33	2.82	31.6	0.00	0.00	6.01	6.01	0.00	1.41	1.41	6,203	0.30	0.23	6,279
Vendor	0.16	6.89	2.10	0.04	0.08	1.53	1.61	0.08	0.42	0.50	5,636	0.12	0.84	5,889
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.16	1.82	0.00	0.00	0.33	0.33	0.00	0.08	0.08	344	0.02	0.01	349
Vendor	0.01	0.38	0.11	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	309	0.01	0.05	323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.06	0.06	0.00	0.01	0.01	57.0	< 0.005	< 0.005	57.8
Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	51.1	< 0.005	0.01	53.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.95	7.19	0.01	0.25	—	0.25	0.23	—	0.23	1,206	0.05	0.01	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.09	1.31	< 0.005	0.05	—	0.05	0.04	—	0.04	200	0.01	< 0.005	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.36	2.22	38.4	0.00	0.00	6.01	6.01	0.00	1.41	1.41	6,614	0.28	0.23	6,715
Vendor	0.16	6.32	1.96	0.04	0.08	1.53	1.61	0.08	0.42	0.50	5,568	0.12	0.83	5,835
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.21	2.61	29.0	0.00	0.00	6.01	6.01	0.00	1.41	1.41	6,078	0.29	0.23	6,154
Vendor	0.16	6.60	2.01	0.04	0.08	1.53	1.61	0.08	0.42	0.50	5,571	0.12	0.84	5,824
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.11	1.31	15.4	0.00	0.00	3.00	3.00	0.00	0.70	0.70	3,096	0.15	0.11	3,140
Vendor	0.08	3.32	1.00	0.02	0.04	0.77	0.81	0.04	0.21	0.25	2,801	0.06	0.42	2,931

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.24	2.80	0.00	0.00	0.55	0.55	0.00	0.13	0.13	513	0.02	0.02	520
Vendor	0.01	0.61	0.18	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	464	0.01	0.07	485
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	5.95	7.19	0.01	0.25	—	0.25	0.23	—	0.23	1,206	0.05	0.01	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.09	1.31	< 0.005	0.05	—	0.05	0.04	—	0.04	200	0.01	< 0.005	200

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.36	2.22	38.4	0.00	0.00	6.01	6.01	0.00	1.41	1.41	6,614	0.28	0.23	6,715
Vendor	0.16	6.32	1.96	0.04	0.08	1.53	1.61	0.08	0.42	0.50	5,568	0.12	0.83	5,835
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.21	2.61	29.0	0.00	0.00	6.01	6.01	0.00	1.41	1.41	6,078	0.29	0.23	6,154
Vendor	0.16	6.60	2.01	0.04	0.08	1.53	1.61	0.08	0.42	0.50	5,571	0.12	0.84	5,824
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.11	1.31	15.4	0.00	0.00	3.00	3.00	0.00	0.70	0.70	3,096	0.15	0.11	3,140
Vendor	0.08	3.32	1.00	0.02	0.04	0.77	0.81	0.04	0.21	0.25	2,801	0.06	0.42	2,931
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.24	2.80	0.00	0.00	0.55	0.55	0.00	0.13	0.13	513	0.02	0.02	520
Vendor	0.01	0.61	0.18	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	464	0.01	0.07	485
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	1,512	0.06	0.01	1,517
Paving	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.24	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	41.4	< 0.005	< 0.005	41.6
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.86	< 0.005	< 0.005	6.88
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	216	0.01	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.51	< 0.005	< 0.005	5.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	8.62	10.6	0.01	0.39	—	0.39	0.36	—	0.36	1,512	0.06	0.01	1,517
Paving	2.49	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.24	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	41.4	< 0.005	< 0.005	41.6
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.86	< 0.005	< 0.005	6.88
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	216	0.01	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.51	< 0.005	< 0.005	5.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	85.5	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	85.5	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.36	0.32	< 0.005	0.02	—	0.02	0.02	—	0.02	43.9	< 0.005	< 0.005	44.0
Architectural Coatings	28.1	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	7.27	< 0.005	< 0.005	7.29
Architectural Coatings	5.13	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.47	0.44	7.67	0.00	0.00	1.20	1.20	0.00	0.28	0.28	1,323	0.06	0.05	1,343
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.52	5.80	0.00	0.00	1.20	1.20	0.00	0.28	0.28	1,216	0.06	0.05	1,231
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.17	2.01	0.00	0.00	0.39	0.39	0.00	0.09	0.09	405	0.02	0.01	410
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.37	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.0	< 0.005	< 0.005	68.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	85.5	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	85.5	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.36	0.32	< 0.005	0.02	—	0.02	0.02	—	0.02	43.9	< 0.005	< 0.005	44.0
Architectural Coatings	28.1	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	7.27	< 0.005	< 0.005	7.29
Architectural Coatings	5.13	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.47	0.44	7.67	0.00	0.00	1.20	1.20	0.00	0.28	0.28	1,323	0.06	0.05	1,343
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.52	5.80	0.00	0.00	1.20	1.20	0.00	0.28	0.28	1,216	0.06	0.05	1,231
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.17	2.01	0.00	0.00	0.39	0.39	0.00	0.09	0.09	405	0.02	0.01	410
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.37	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.0	< 0.005	< 0.005	68.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	61.2	56.8	510	1.18	0.91	38.4	39.3	0.85	6.82	7.67	120,220	5.06	5.40	122,441
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	61.2	56.8	510	1.18	0.91	38.4	39.3	0.85	6.82	7.67	120,220	5.06	5.40	122,441
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	56.7	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	112,889	5.28	5.59	114,699
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	56.7	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	112,889	5.28	5.59	114,699
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	10.3	11.3	81.3	0.20	0.17	7.00	7.17	0.16	1.24	1.40	18,866	0.88	0.93	19,201
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	10.3	11.3	81.3	0.20	0.17	7.00	7.17	0.16	1.24	1.40	18,866	0.88	0.93	19,201

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	61.2	56.8	510	1.18	0.91	38.4	39.3	0.85	6.82	7.67	120,220	5.06	5.40	122,441
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	61.2	56.8	510	1.18	0.91	38.4	39.3	0.85	6.82	7.67	120,220	5.06	5.40	122,441
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	56.7	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	112,889	5.28	5.59	114,699
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	56.7	60.9	430	1.10	0.91	38.4	39.3	0.85	6.82	7.67	112,889	5.28	5.59	114,699
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	10.3	11.3	81.3	0.20	0.17	7.00	7.17	0.16	1.24	1.40	18,866	0.88	0.93	19,201
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	10.3	11.3	81.3	0.20	0.17	7.00	7.17	0.16	1.24	1.40	18,866	0.88	0.93	19,201

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,706	0.35	0.04	5,728
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,234	0.39	0.05	6,258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,706	0.35	0.04	5,728
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,234	0.39	0.05	6,258
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	945	0.06	0.01	948
Parking Lot	—	—	—	—	—	—	—	—	—	—	87.5	0.01	< 0.005	87.8
Total	—	—	—	—	—	—	—	—	—	—	1,032	0.06	0.01	1,036

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,573	0.35	0.04	5,594
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,101	0.38	0.05	6,124
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	5,573	0.35	0.04	5,594
Parking Lot	—	—	—	—	—	—	—	—	—	—	528	0.03	< 0.005	530
Total	—	—	—	—	—	—	—	—	—	—	6,101	0.38	0.05	6,124
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	923	0.06	0.01	926
Parking Lot	—	—	—	—	—	—	—	—	—	—	87.5	0.01	< 0.005	87.8
Total	—	—	—	—	—	—	—	—	—	—	1,010	0.06	0.01	1,014

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	23.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.81	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.80	0.40	47.6	< 0.005	0.06	—	0.06	0.08	—	0.08	196	0.01	< 0.005	196
Total	34.1	0.40	47.6	< 0.005	0.06	—	0.06	0.08	—	0.08	196	0.01	< 0.005	196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	23.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.81	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	26.3	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.28	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.98	0.05	5.95	< 0.005	0.01	—	0.01	0.01	—	0.01	22.2	< 0.005	< 0.005	22.3
Total	5.77	0.05	5.95	< 0.005	0.01	—	0.01	0.01	—	0.01	22.2	< 0.005	< 0.005	22.3

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	23.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.81	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.80	0.40	47.6	< 0.005	0.06	—	0.06	0.08	—	0.08	196	0.01	< 0.005	196
Total	34.1	0.40	47.6	< 0.005	0.06	—	0.06	0.08	—	0.08	196	0.01	< 0.005	196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	23.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.81	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	26.3	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.28	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.98	0.05	5.95	< 0.005	0.01	—	0.01	0.01	—	0.01	22.2	< 0.005	< 0.005	22.3
Total	5.77	0.05	5.95	< 0.005	0.01	—	0.01	0.01	—	0.01	22.2	< 0.005	< 0.005	22.3

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	500	8.26	0.20	765
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	500	8.26	0.20	765

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	3,019	49.9	1.20	4,624
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	500	8.26	0.20	765
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	500	8.26	0.20	765

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	91.8	9.17	0.00	321
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	91.8	9.17	0.00	321

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	554	55.4	0.00	1,939
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	91.8	9.17	0.00	321
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	91.8	9.17	0.00	321

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	4,827
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	4,827

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	29,158
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	4,827
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	4,827

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	10/2/2023	11/3/2023	5.00	25.0	—
Grading	Grading	11/6/2023	12/1/2023	5.00	20.0	—
Building Construction	Building Construction	12/4/2023	9/13/2024	5.00	205	—
Paving	Paving	9/16/2024	9/27/2024	5.00	10.0	—
Architectural Coating	Architectural Coating	4/22/2024	10/4/2024	5.00	120	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 3	2.00	8.00	423	0.48

Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 3	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37

Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	85.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	460	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	179	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	91.9	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	85.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	460	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	179	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2

Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	91.9	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,641,153	547,051	24,829

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	37.5	0.00	—
Grading	13,700	0.00	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	9.50

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	9.50	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	13,609	13,609	13,609	4,967,416	138,000	138,000	138,000	50,370,167
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	13,609	13,609	13,609	4,967,416	138,000	138,000	138,000	50,370,167
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,641,153	547,051	24,829

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Unrefrigerated Warehouse-No Rail	3,914,944	532	0.0330	0.0040	0.00
Parking Lot	362,506	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	3,823,631	532	0.0330	0.0040	0.00
Parking Lot	362,506	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	252,987,500	3,163,135
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	252,987,500	3,163,135
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Unrefrigerated Warehouse-No Rail	1,028	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	1,028	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

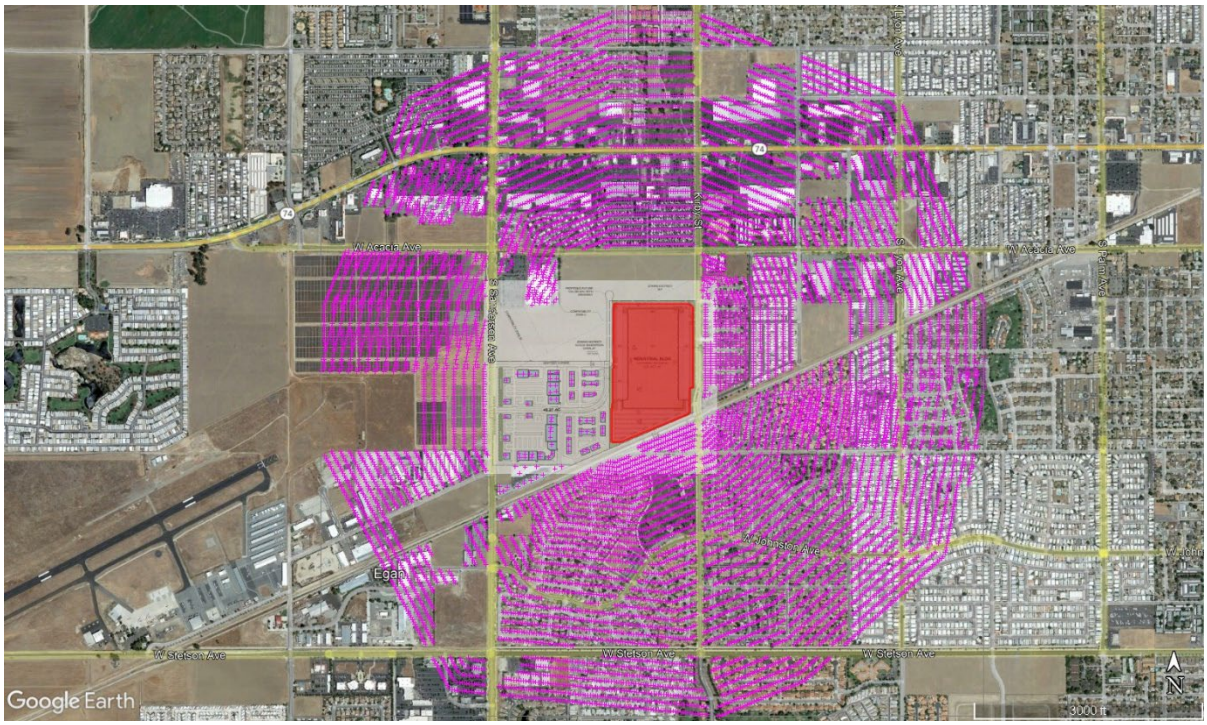
Screen	Justification
Land Use	Project would construct a 850,640 warehouse in a 41.86 acre project site
Construction: Construction Phases	Construction will start in October 2024 and last 12 months. Overlap of building construction and architectural coating phases.
Construction: Off-Road Equipment	Default construction equipment with Tier 3 engine
Operations: Vehicle Data	Based on a trip generation of 13,611 average daily trips.
Operations: Fleet Mix	Default
Operations: Energy Use	Project would not include natural gas
Operations: Emergency Generators and Fire Pumps	Project would include a 200 HP fire pump. Assuming fire pump will run for 1 hour/day and 50 hours/year.

APPENDIX B

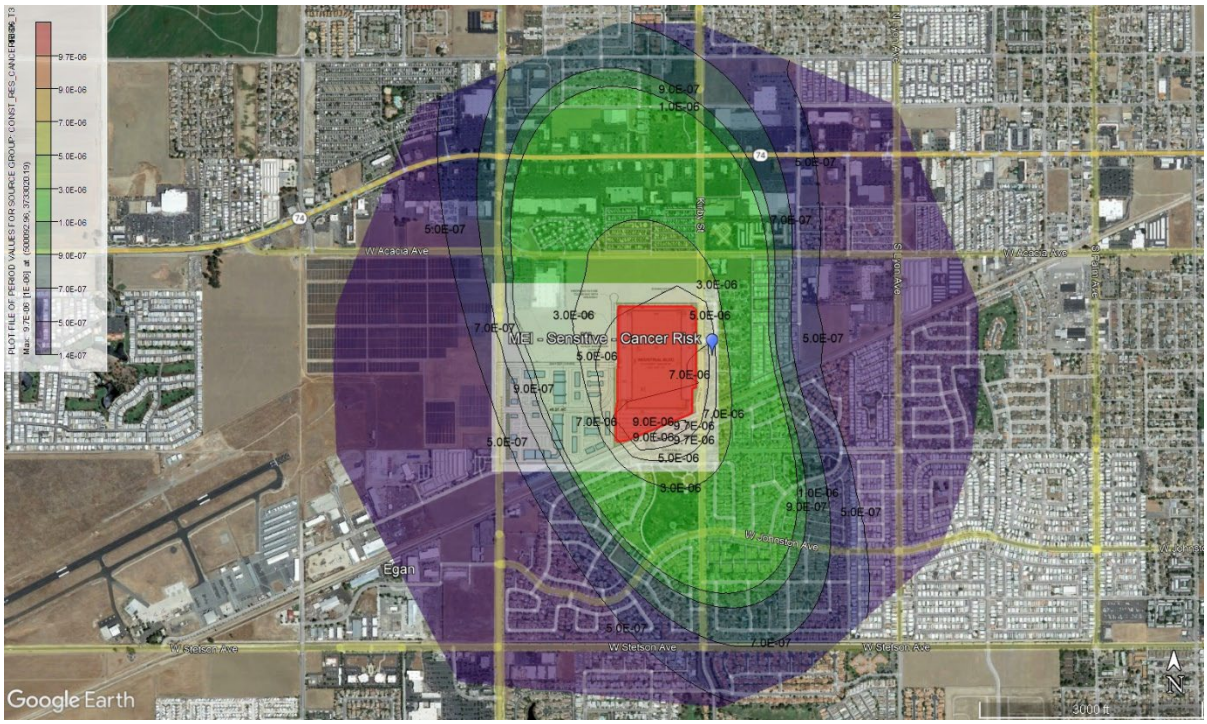
HRA MODEL SNAPSHOTS AND OUTPUTS

Project Layout

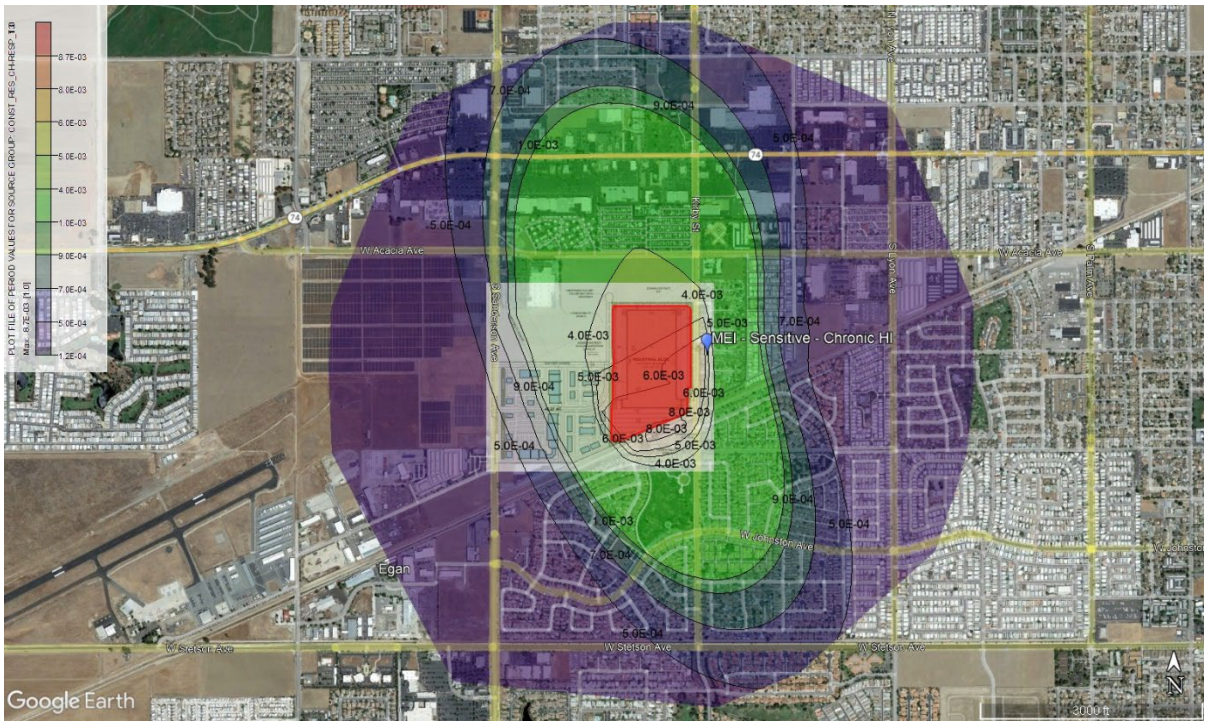
Receptor Grid



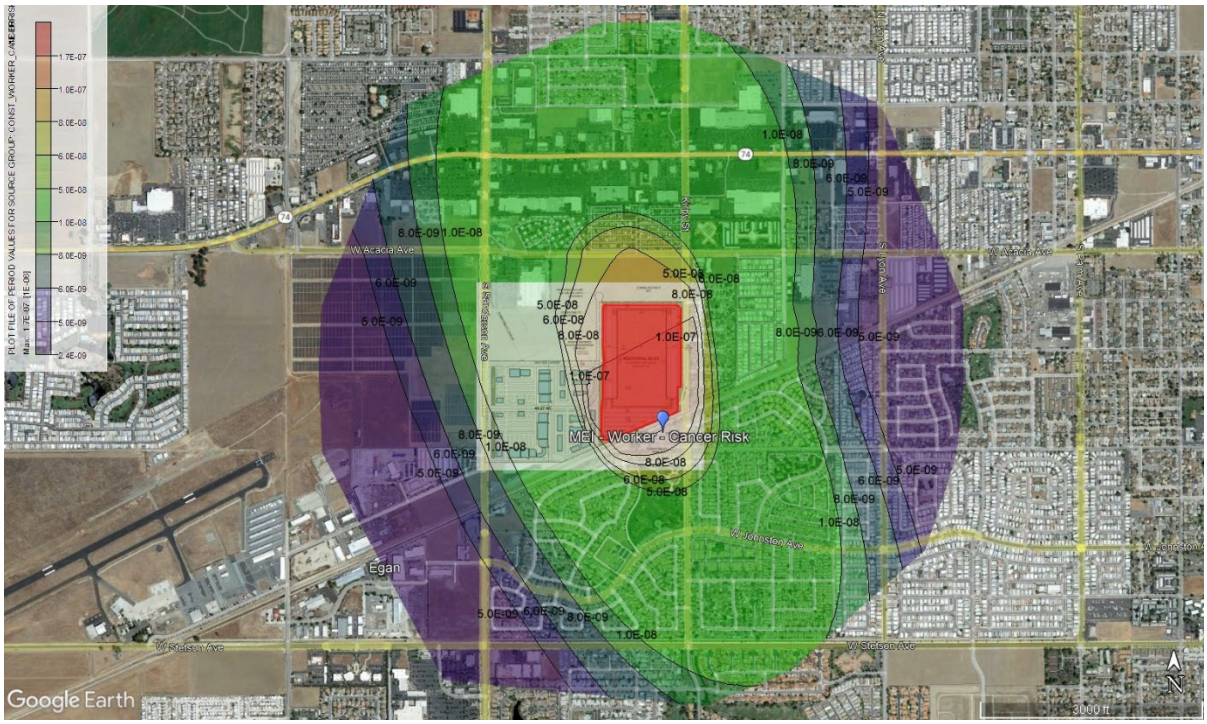
Construction Cancer Risk – Sensitive Receptor



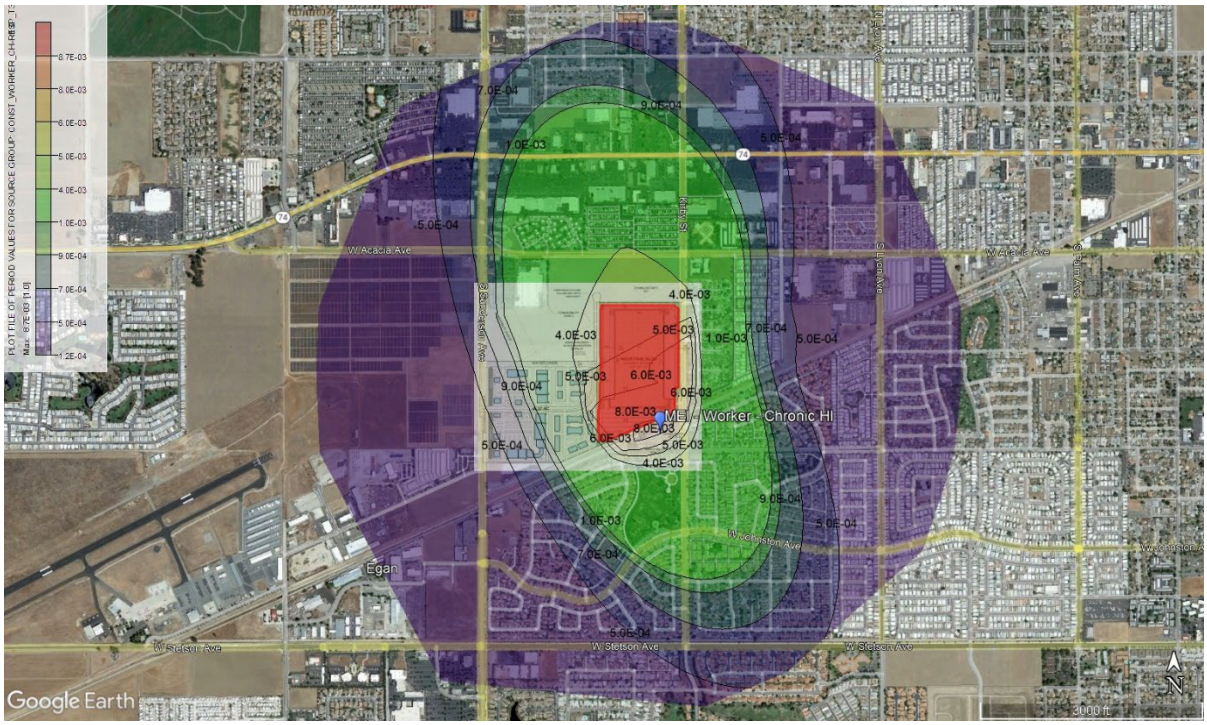
Construction Chronic Hazard Index – Sensitive Receptor



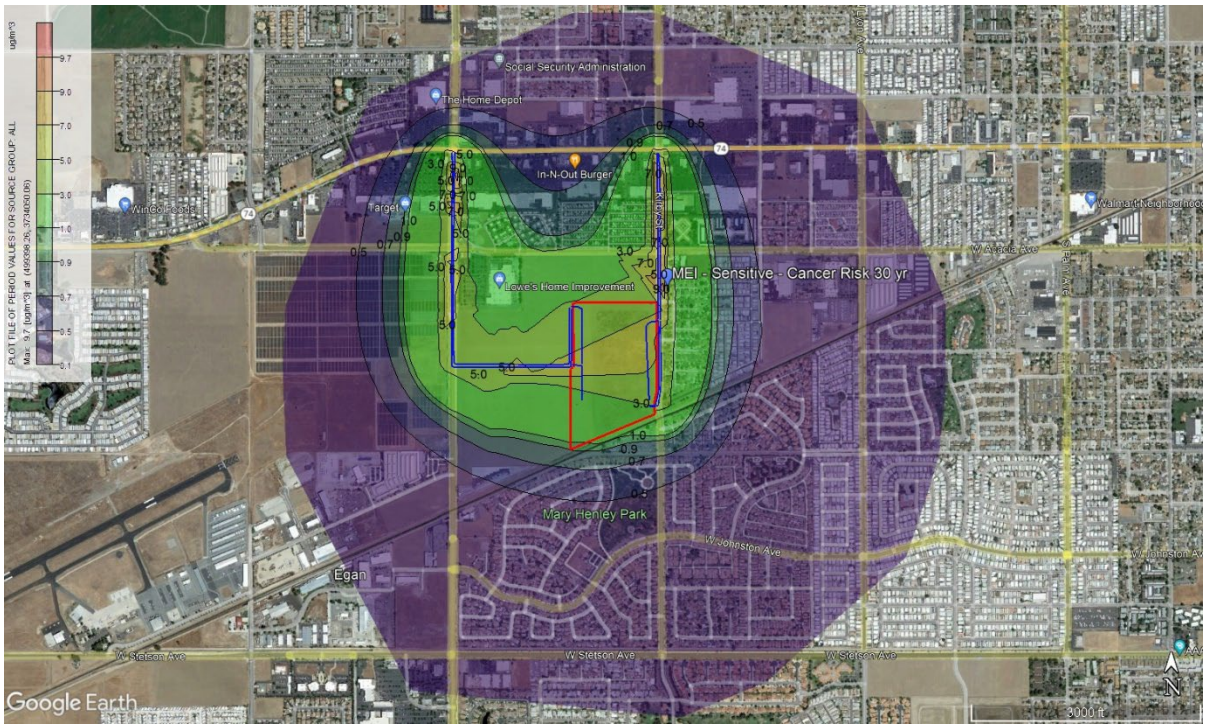
Construction Cancer Risk – Worker Receptor



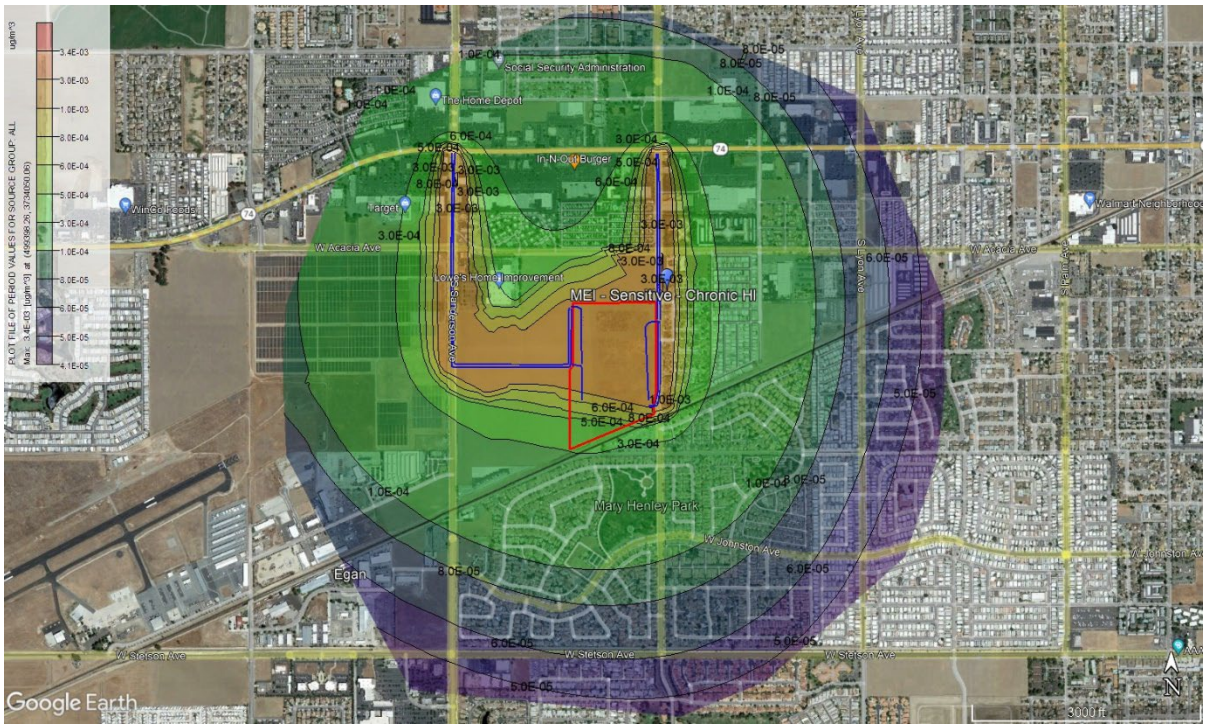
Construction Chronic Hazard Index – Worker Receptor



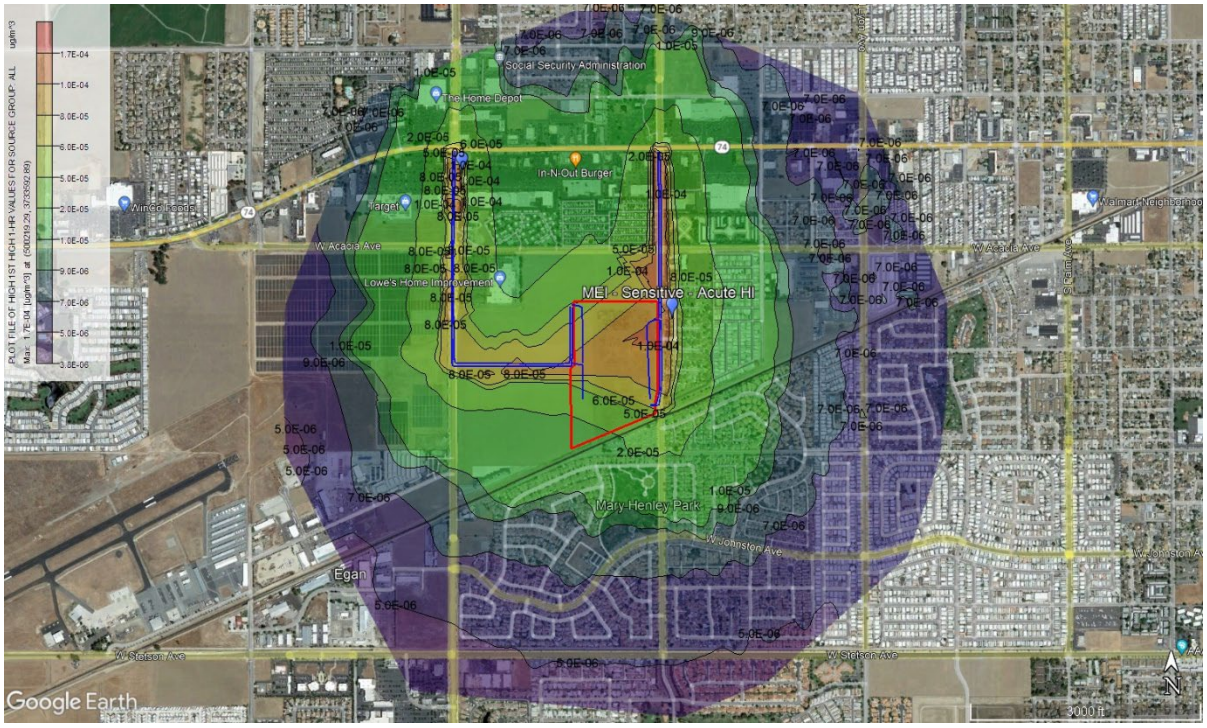
Operational Cancer Risk – Sensitive Receptor



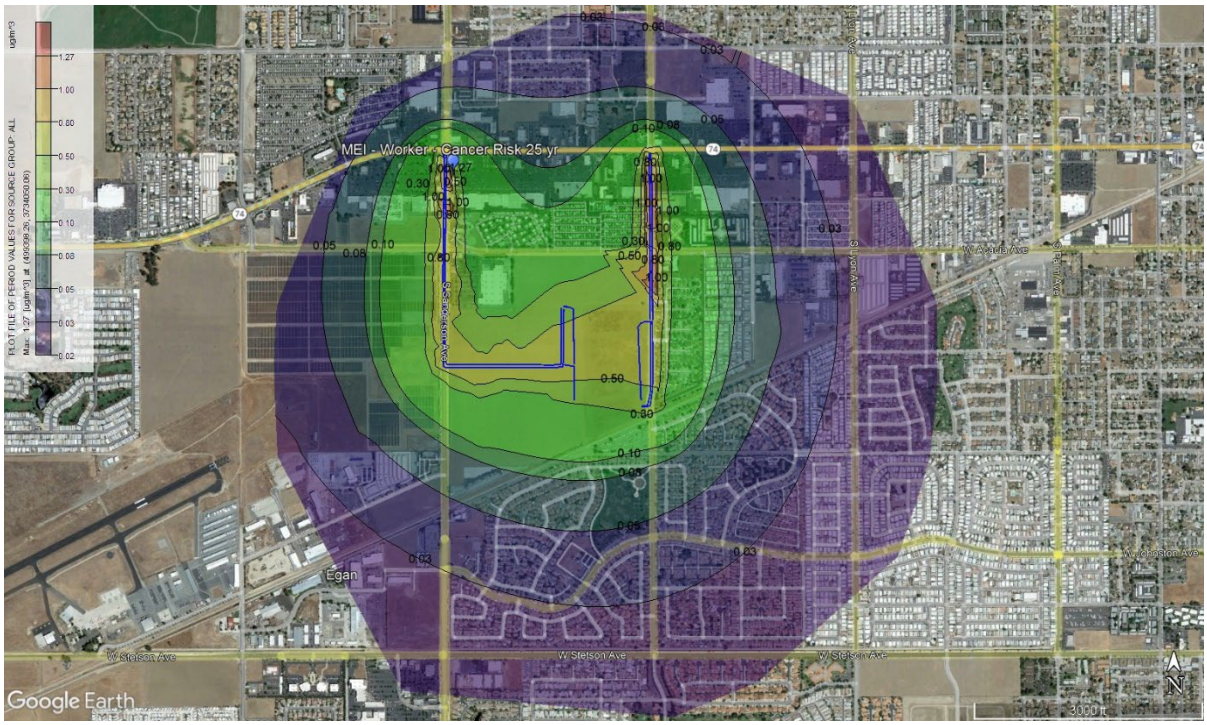
Operational Chronic Hazard Index – Sensitive Receptor



Operational Acute Hazard Index – Sensitive Receptor



Operational Cancer Risk – Worker Receptor



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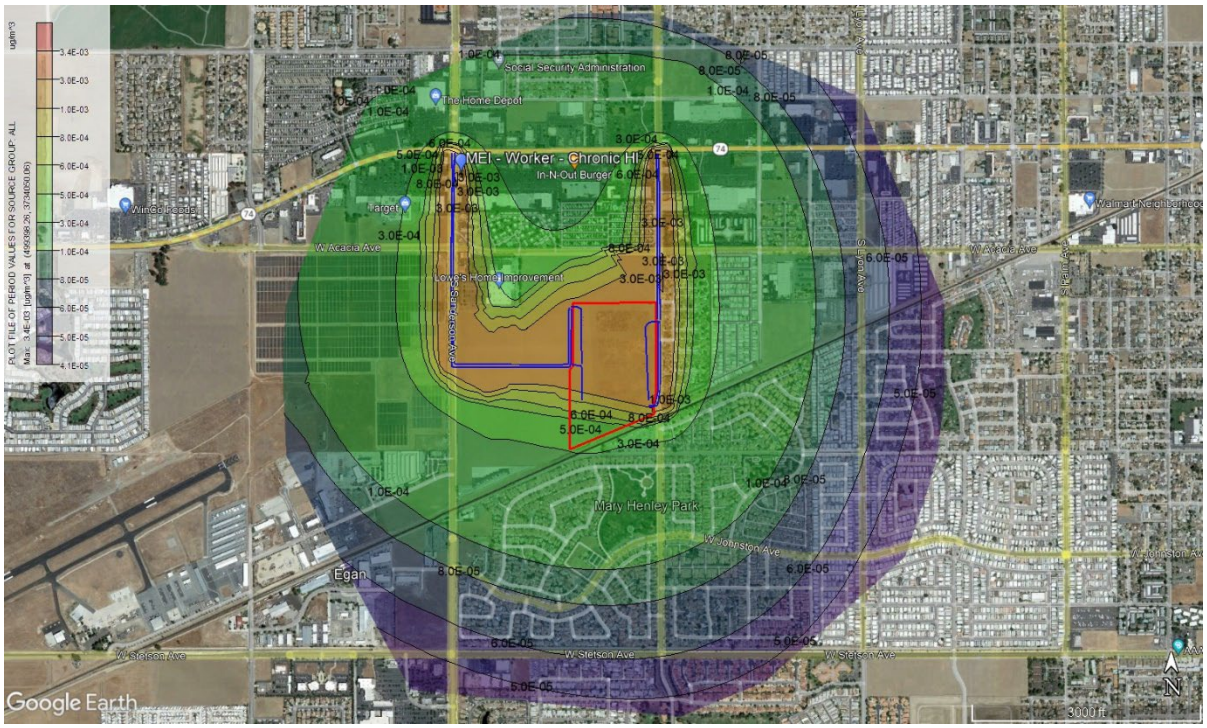
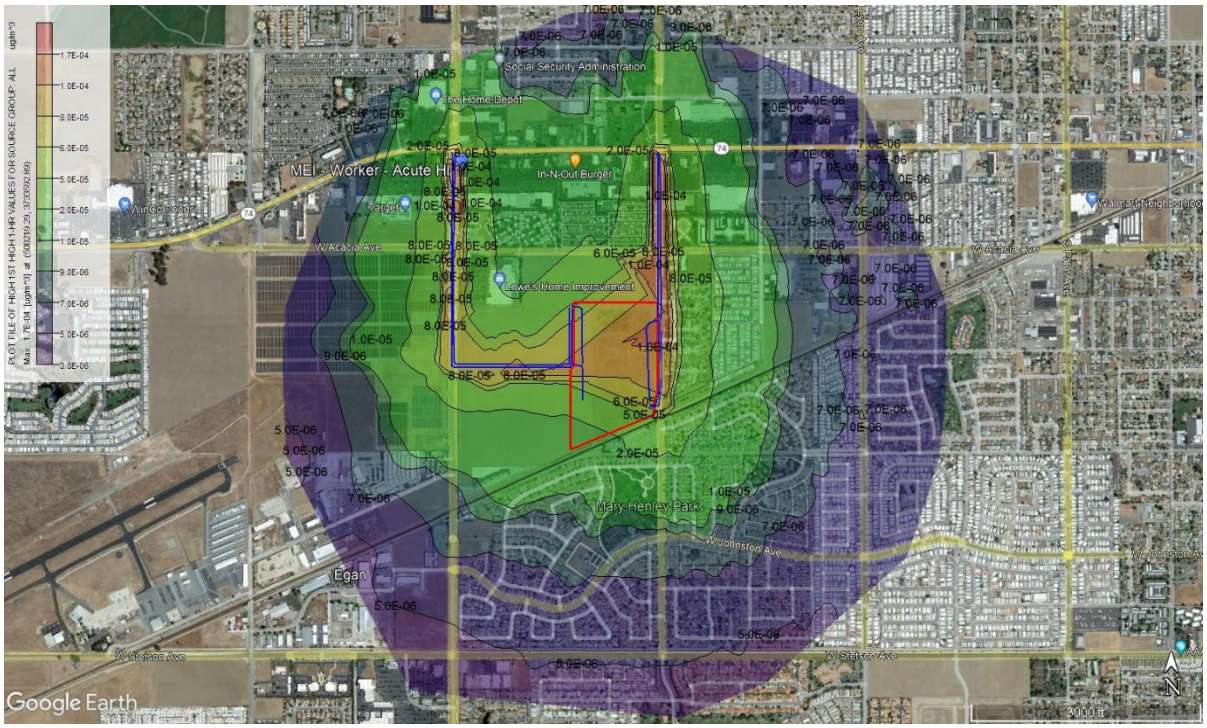


Operational Acute Hazard Index – Worker Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 10086 X: 500234.13 Y: 3733339.23			
Unmitigated	T2	T3	T4
7.04	-	7.04	1.17
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 10086 X: 500234.13 Y: 3733339.23			
Unmitigated	T2	T3	T4
6.35E-03	-	6.35E-03	1.11E-03
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
Unmitigated	T2	T3	T4
0.00E+00	-	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 10083 X: 500234.1 Y: 3733368.4			
Unmitigated	T2	T3	T4
0.028	-	0.028	0.005

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 495 X: 500092.96 Y: 3733020.19			
Unmitigated	T2	T3	T4
0.17	-	0.17	0.03
MEI (Worker) - Chronic Hazard Index HARP Rec #: 495 X: 500092.96 Y: 3733020.19			
Unmitigated	T2	T3	T4
8.73E-03	-	8.73E-03	1.52E-03
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
Unmitigated	T2	T3	T4
0.00E+00	-	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 495 X: 500092.96 Y: 3733020.19			
Unmitigated	T2	T3	T4
0.044	-	0.044	0.008

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	10105	500219.29 3733592.89	9.59
70 Yr Cancer Risk (in a Million)	10105	500219.29 3733592.89	11.19
Chronic HI	2791	500219.29 3733592.89	5.99E-05
Acute HI	3620	500233.99 3733475.37	1.31E-05
PM 2.5	10105	500219.29 3733592.89	1.61E-02

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	8449	499398.26 3734050.06	1.01
Chronic HI	8449	499398.26 3734050.06	3.36E-03
Acute HI	8449	499398.26 3734050.06	1.59E-04
PM 2.5	8449	499398.26 3734050.06	1.63E-02

	Zone	**11**	Process Coordinates									
	Datum	**WGS 1984**										
	KML File Name	**ESL2201.42 Project MEI**								Sensitive		
Description	**Receptor Type**	**Model Type**	**UTM X**	**UTM Y**	**Latitude**	**Longitude**		**Col**	Unmitigated	T2	T2L3	T4	**Row**
Construction	Sensitive	Cancer Risk	500234.13	3733339.23	33.74009853	-116.9974724			2	3	4	5	4
Construction	Sensitive	Chronic HI	500234.13	3733339.23	33.74009853	-116.9974724			2	3	4	5	7
Construction	Sensitive	Acute HI	0	0					2	3	4	5	10
Construction	Sensitive	PM 2.5	500234.10	3733368.40	33.74036162	-116.9974727			2	3	4	5	13
Construction	School	Cancer Risk	0.00	0.00					12	13	14	15	4
Construction	School	Chronic HI	0.00	0.00					12	13	14	15	7
Construction	School	Acute HI	0	0					12	13	14	15	10
Construction	School	PM 2.5	0.00	0.00					12	13	14	15	13
Construction	Worker	Cancer Risk	500092.96	3733020.19	33.73722103	-116.9989965			7	8	9	10	4
Construction	Worker	Chronic HI	500092.96	3733020.19	33.73722103	-116.9989965			7	8	9	10	7
Construction	Worker	Acute HI	0	0					7	8	9	10	10
Construction	Worker	PM 2.5	500092.96	3733020.19	33.73722103	-116.9989965			7	8	9	10	13
Operational	Sensitive	Cancer Risk 30 yr	500219.29	3733592.89	33.74238637	-116.9976325	3	4	5	2			18
Operational	Sensitive	Cancer Risk 70 yr	500219.29	3733592.89	33.74238637	-116.9976325	3	4	5	2			20
Operational	Sensitive	Chronic HI	500219.29	3733592.89	33.74238637	-116.9976325	3	4	5	2			22
Operational	Sensitive	Acute HI	500233.99	3733475.37	33.74132642	-116.9974738	3	4	5	2			24
Operational	Sensitive	PM 2.5	500219.29	3733592.89	33.74238637	-116.9976325	3	4	5	2			26
Operational	Worker	Cancer Risk 25 yr	499398.26	3734050.06	33.74650957	-117.0064968	8	9	10	7			18
Operational	Worker	Chronic HI	499398.26	3734050.06	33.74650957	-117.0064968	8	9	10	7			20
Operational	Worker	Acute HI	499398.26	3734050.06	33.74650957	-117.0064968	8	9	10	7			22
Operational	Worker	PM 2.5	499398.26	3734050.06	33.74650957	-117.0064968	8	9	10	7			24
Operational	School	Cancer Risk 9 yr	0	0			13	14	15	12			18
Operational	School	Chronic HI	0	0			13	14	15	12			20
Operational	School	Acute HI	0	0			13	14	15	12			22
Operational	School	PM 2.5	0	0			13	14	15	12			24

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**20**	**200**
	Grid 2	**30**	**300**
	Grid 3	**40**	**400**
	Grid 4	**50**	**250**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Perris**	
	Provided By	**South Coast AQMD**	
	Years	**2010 - 2011, 2014-2016**	
	Elevation (m)	**442**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/PerrisADJU.zip?sfvrsn=8	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Riverside**	
	Urban Grouping / Pop	**Y**	**2,189,641**
	# of Worker Receptors	**13,306**	
	# of Sensitive Receptors	**13,306**	
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**157469.3**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**2,189,641**
	# Worker Receptors	**13,306**	
	# Sensitive Receptors	**13,306**	
	# of School Receptors	**0**	

Diesel Truck Idling Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**Line Volume**
	Initial Vertical (m)	**1.42**
	Initial Lateral (m)	**2.84**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**
Vehicle Travel Parameters		
	Source Type	**Line Volume**
	Initial Vertical (m)	**0.85**
	Initial Lateral (m)	**1.70**
	Release Ht (m)	**Surface**
	Comments	**Combined if trucks travel the same path**
Diesel Engine Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**2.44**
	Stack Dia (m)	**0.10**
	Stack Temp (k)	**422.00**
	Velocity (m/s)	**50**

General HARP Input Parameters		
Construction		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 2 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**

	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Operational		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester -30 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**30.25**
	Intake Rate	**RMP using the Derived Method**
	Comments	
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 41**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**25 yrs**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

PM 10				
Tons/Yr	Unmitigated	T2	T3	T4
Year 1	3.11E-02	0.00E+00	3.11E-02	4.68E-03
Year 2	5.73E-02	0.00E+00	5.73E-02	9.98E-03
Year 3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Year 4	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PM 2.5				
Tons/Yr	UM	T2	T3	T4
Year 1	2.81E-02	0.00E+00	2.81E-02	4.68E-03
Year 2	5.26E-02	0.00E+00	5.26E-02	9.98E-03
Year 3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Year 4	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PM 10				
Lbs /Yr	Unmitigated	T2	T3	T4
Year 1	62.12	0	62.12	9.353
Year 2	114.5	0	114.5	19.95
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 2.5				
Lbs /Yr	UM	T2	T3	T4
Year 1	56.12	0	56.12	9.353
Year 2	105.1	0	105.1	19.95
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	Unmitigated	T2	T3	T4
Year 1	100%	0%	100%	15%
Year 2	100%	0%	100%	17%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

PM 2.5				
g/sec	UM	T2	T3	T4
Year 1	0.000807	0	0.000807	0.000135
Year 2	0.001512	0	0.001512	0.000287
Year 3	0	0	0	0
Year 4	0	0	0	0

			UnMitigated			10090	10090	T2					T2L3					T4				
							7.04E-06					0.00E+00					7.04E-06					1.17E-06
					10086	500234.13	3733339.23															
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	500234.28	3733193.32	2.56E-06	4.35E-06	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-06	4.35E-06	0.00E+00	0.00E+00	6.91E-06	3.85E-07	7.58E-07	0.00E+00	0.00E+00	1.14E-06
2	500294.28	3733193.32	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.17E-07	4.27E-07	0.00E+00	0.00E+00	6.43E-07
3	500484.28	3733193.32	4.46E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	6.72E-08	1.32E-07	0.00E+00	0.00E+00	2.00E-07
4	500514.28	3733193.32	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
5	500544.28	3733193.32	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
6	500574.28	3733193.32	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.56E-08	8.99E-08	0.00E+00	0.00E+00	1.36E-07
7	500604.28	3733193.32	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	4.08E-08	8.03E-08	0.00E+00	0.00E+00	1.21E-07
8	500634.28	3733193.32	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	3.67E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
9	500664.28	3733193.32	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
10	500694.28	3733193.32	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.97E-08
11	500734.28	3733193.32	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.68E-08	5.29E-08	0.00E+00	0.00E+00	7.97E-08
12	500774.28	3733193.32	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.74E-08	0.00E+00	0.00E+00	7.15E-08
13	500814.28	3733193.32	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
14	500854.28	3733193.32	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.86E-08
15	500894.28	3733193.32	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.21E-08
16	500934.28	3733193.32	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
17	500974.28	3733193.32	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
18	501054.28	3733193.32	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
19	501094.28	3733193.32	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.52E-08
20	501129.99	3733193.32	7.43E-08	1.26E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-08	1.26E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
21	501165.71	3733193.32	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.08E-08	0.00E+00	0.00E+00	3.13E-08
22	501201.42	3733193.32	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.93E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
23	501272.85	3733193.32	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.94E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
24	501308.57	3733193.32	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	8.47E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
25	501344.28	3733193.32	5.36E-08	9.12E-08	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-08	9.12E-08	0.00E+00	0.00E+00	1.45E-07	8.07E-09	1.59E-08	0.00E+00	0.00E+00	2.40E-08
26	500232.22	3733179.13	2.57E-06	4.37E-06	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-06	4.37E-06	0.00E+00	0.00E+00	6.94E-06	3.87E-07	7.61E-07	0.00E+00	0.00E+00	1.15E-06
27	500252.22	3733179.13	2.08E-06	3.53E-06	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-06	3.53E-06	0.00E+00	0.00E+00	5.61E-06	3.13E-07	6.16E-07	0.00E+00	0.00E+00	9.29E-07
28	500343.92	3733134.8	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	1.53E-07	3.02E-07	0.00E+00	0.00E+00	4.55E-07
29	500366.02	3733141.08	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	1.33E-07	2.63E-07	0.00E+00	0.00E+00	3.96E-07
30	500362.89	3733128.46	9.08E-07	1.55E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-07	1.55E-06	0.00E+00	0.00E+00	2.45E-06	1.37E-07	2.69E-07	0.00E+00	0.00E+00	4.06E-07
31	500384.99	3733134.74	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.55E-07
32	500387.05	3733147.42	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.48E-07
33	500381.86	3733122.11	8.15E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.65E-07
34	500413.4	3733124.96	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
35	500415.38	3733137.11	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
36	500417.35	3733149.27	6.56E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	9.88E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
37	500419.33	3733161.43	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.68E-08	1.91E-07	0.00E+00	0.00E+00	2.87E-07
38	500410.31	3733112.6	7.02E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.08E-07	0.00E+00	0.00E+00	3.14E-07
39	500441.89	3733115.71	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.94E-08	1.76E-07	0.00E+00	0.00E+00	2.66E-07
40	500443.96	3733128.39	5.81E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	8.76E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
41	500446.02	3733141.08	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	8.56E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
42	500448.09	3733153.76	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	8.37E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
43	500450.15	3733166.45	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	8.18E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
44	500452.22	3733179.13	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.43E-06	7.99E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
45	500438.76	3733103.09	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.18E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
46	500470.31	3733105.98	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	7.85E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
47	500472.3	3733118.24	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	7.69E-08	1.52E-07	0.00E+00	0.00E+00	2.28E-07
48	500474.3	3733130.51	5.00E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
49	500476.3	3733142.77	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	7.37E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
50	500478.29	3733155.03	4.78E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	7.20E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
51	500480.29	3733167.29	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
52	500482.28	3733179.56	4.57E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	6.89E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
53	500467.21	3733093.57	5.35E-07	9.11E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-07	9.11E-07	0.00E+00	0.00E+00	1.45E-06	8.06E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
54	500498.79	3733096.68	4.61E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	6.95E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
55	500500.86	3733109.37	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	6.80E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
56	500502.92	3733122.05	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	6.65E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
57	500504.99	3733134.74	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
58	500507.05	3733147.42	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	6.36E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
59	500509.12	3733160.11	4.13E-07	7.02E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.02E-07	0.00E+00	0.00E+00	1.12E-06	6.21E-08	1.22E-07	0.00E+00	0.00E+00	1.85E-07
60	500511.18	3733172.79	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
61	500495.66	3733084.06	4.73E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	7.13E-08	1.40E-07	0.00E+00	0.00E+00	2.12E-07
62	500527.28	3733087.35	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
63	500529.4	3733100.41	4.02E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
64	500531.53	3733113.47	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
65	500533.65	3733126.53	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
66	500535.78	3733139.59	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	5.66E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
67	500537.9	3733152.64	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
68	500540.03	3733165.7	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.69E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
69	500542.15	3733178.76	3.50E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
70	500524.11	3733074.54	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	6.35E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
71	500555.7	3733077.65	3.69E-07	6.29E-07	0.00E+00	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.29E-07	0.00E+00	0.00E+00	9.98E-07	5.56E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
72	500557.76	3733090.34	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.77E-07	5.44E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
73	500559.83	3733103.02	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.56E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
74	500561.89	3733115.71	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
75	500563.96	3733128.39	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
76	500566.02	3733141.08	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.83E-08	0.00E+00	0.00E+00	1.48E-07
77	500568.09	3733153.76	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	4.88E-08	9.62E-08	0.00E+00	0.00E+00	1.45E-07
78	500570.15	3733166.45	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.77E-08	9.41E-08	0.00E+00	0.00E+00	1.42E-07
79	500572.22	3733179.13	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	4.67E-08	9.20E-08	0.00E+00	0.00E+00	1.39E-07
80	500552.56	3733065.03	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
81	500584.17	3733068.3	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.01E-07	5.02E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
82	500586.29	3733081.3	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	4.91E-08	9.67E-08	0.00E+00	0.00E+00	1.46E-07
83	500588.41	3733094.3	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.63E-07	4.81E-08	9.47E-08	0.00E+00	0.00E+00	1.43E-07
84	500590.52	3733107.3	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	4.70E-08	9.26E-08	0.00E+00	0.00E+00	1.40E-07
85	500592.64	3733120.31	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.06E-08	0.00E+00	0.00E+00	1.37E-07
86	500594.76	3733133.31	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.08E-07	4.50E-08	8.87E-08	0.00E+00	0.00E+00	1.34E-07
87	500596.87	3733146.31	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.68E-08	0.00E+00	0.00E+00	1.31E-07
88	500598.99	3733159.31	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.49E-08	0.00E+00	0.00E+00	1.28E-07
89	500601.11	3733172.32	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
90	500581.02	3733055.52	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.23E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
91	500612.6	3733058.62	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	4.56E-08	8.98E-08	0.00E+00	0.00E+00	1.35E-07
92	500614.66	3733071.31	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.01E-07	4.46E-08	8.79E-08	0.00E+00	0.00E+00	1.33E-07
93	500616.73	3733083.99	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.85E-07	4.37E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
94	500618.79	3733096.68	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	4.28E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
95	500620.86	3733109.37	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	4.20E-08	8.26E-08	0.00E+00	0.00E+00	1.25E-07
96	500622.92	3733122.05	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.37E-07	4.11E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
97	500624.99	3733134.74	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.93E-08	0.00E+00	0.00E+00	1.19E-07
98	500627.05	3733147.42	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.07E-07	3.94E-08	7.76E-08	0.00E+00	0.00E+00	1.17E-07
99	500629.12	3733160.11	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.60E-08	0.00E+00	0.00E+00	1.15E-07
100	500631.18	3733172.79	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
101	500609.47	3733046	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	4.67E-08	9.19E-08	0.00E+00	0.00E+00	1.39E-07
102	500641.07	3733049.25	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
103	500643.18	3733062.21	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
104	500645.29	3733075.17	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.19E-07
105	500647.4	3733088.13	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
106	500649.51	3733101.09	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
107	500651.62	3733114.05	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.39E-08	0.00E+00	0.00E+00	1.11E-07
108	500653.73	3733127.01	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	3.67E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
109	500655.84	3733139.98	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
110	500657.95	3733152.94	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
111	500660.06	3733165.9	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
112	500662.17	3733178.86	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.67E-08	0.00E+00	0.00E+00	1.01E-07
113	500637.92	3733036.49	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.38E-08	0.00E+00	0.00E+00	1.26E-07
114	500669.5	3733039.6	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	3.81E-08	7.51E-08	0.00E+00	0.00E+00	1.13E-07
115	500671.57	3733052.28	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
116	500673.63	3733064.97	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	3.67E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
117	500675.7	3733077.65	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.59E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
118	500677.76	3733090.34	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.33E-07	3.52E-08	6.94E-08	0.00E+00	0.00E+00	1.05E-07
119	500679.83	3733103.02	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
120	500681.89	3733115.71	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.67E-08	0.00E+00	0.00E+00	1.01E-07
121	500683.96	3733128.39	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
122	500686.02	3733141.08	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	3.26E-08	6.42E-08	0.00E+00	0.00E+00	9.68E-08
123	500688.09	3733153.76	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.30E-08	0.00E+00	0.00E+00	9.50E-08
124	500690.15	3733166.45	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
125	500692.22	3733179.13	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
126	500666.37	3733026.97	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	3.90E-08	7.68E-08	0.00E+00	0.00E+00	1.16E-07

127	500707.44	3733026.91	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
128	500709.5	3733039.6	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.35E-08	6.60E-08	0.00E+00	0.00E+00	9.96E-08
129	500711.57	3733052.28	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
130	500713.63	3733064.97	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.59E-08
131	500715.7	3733077.65	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.40E-08
132	500717.76	3733090.34	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.58E-07	3.11E-08	6.12E-08	0.00E+00	0.00E+00	9.23E-08
133	500719.83	3733103.02	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
134	500721.89	3733115.71	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.89E-08
135	500723.96	3733128.39	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.72E-08
136	500726.02	3733141.08	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
137	500728.09	3733153.76	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
138	500730.15	3733166.45	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.26E-08
139	500732.22	3733179.13	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.73E-08	5.39E-08	0.00E+00	0.00E+00	8.12E-08
140	500704.31	3733014.29	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
141	500745.37	3733014.23	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.14E-08
142	500747.44	3733026.91	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.02E-08	5.96E-08	0.00E+00	0.00E+00	8.98E-08
143	500749.5	3733039.6	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.82E-08
144	500751.57	3733052.28	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	2.92E-08	5.74E-08	0.00E+00	0.00E+00	8.66E-08
145	500753.63	3733064.97	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.50E-08
146	500755.7	3733077.65	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.35E-08
147	500757.76	3733090.34	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.20E-08
148	500759.83	3733103.02	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
149	500761.89	3733115.71	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
150	500763.96	3733128.39	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.77E-08
151	500766.02	3733141.08	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.57E-08	5.07E-08	0.00E+00	0.00E+00	7.64E-08
152	500768.09	3733153.76	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.51E-08
153	500770.15	3733166.45	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
154	500772.22	3733179.13	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
155	500742.24	3733001.6	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.20E-08	0.00E+00	0.00E+00	9.34E-08
156	500783.31	3733001.54	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.30E-08
157	500785.37	3733014.23	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.15E-08
158	500787.44	3733026.91	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
159	500789.5	3733039.6	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.87E-08
160	500791.57	3733052.28	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.74E-08
161	500793.63	3733064.97	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
162	500795.7	3733077.65	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.47E-08
163	500797.76	3733090.34	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.34E-08
164	500799.83	3733103.02	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.79E-08	0.00E+00	0.00E+00	7.22E-08
165	500801.89	3733115.71	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
166	500803.96	3733128.39	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
167	500806.02	3733141.08	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.56E-08	0.00E+00	0.00E+00	6.87E-08
168	500808.09	3733153.76	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.48E-08	0.00E+00	0.00E+00	6.76E-08
169	500810.15	3733166.45	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.66E-08
170	500812.22	3733179.13	1.47E-07	2.49E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.49E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.55E-08
171	500780.18	3732988.92	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
172	500821.24	3732988.85	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
173	500823.31	3733001.54	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.44E-08
174	500825.37	3733014.23	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.32E-08
175	500827.44	3733026.91	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.42E-08	4.77E-08	0.00E+00	0.00E+00	7.20E-08
176	500829.5	3733039.6	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.08E-08
177	500831.57	3733052.28	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	2.28E-08	4.50E-08	0.00E+00	0.00E+00	6.78E-08
178	500833.63	3733064.97	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.24E-08	4.42E-08	0.00E+00	0.00E+00	6.67E-08
179	500835.7	3733077.65	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
180	500837.76	3733090.34	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
181	500839.83	3733103.02	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.83E-07	2.14E-08	4.21E-08	0.00E+00	0.00E+00	6.34E-08
182	500841.89	3733115.71	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
183	500843.96	3733128.39	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.14E-08
184	500846.02	3733141.08	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.05E-08
185	500848.09	3733153.76	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
186	500850.15	3733166.45	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
187	500852.22	3733179.13	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.95E-08	3.85E-08	0.00E+00	0.00E+00	5.80E-08
188	500818.11	3732976.23	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
189	500859.21	3732976.36	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.46E-08	0.00E+00	0.00E+00	6.73E-08
190	500861.33	3732989.41	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.61E-08
191	500863.46	3733002.47	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
192	500865.59	3733015.53	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.40E-08
193	500867.71	3733028.59	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.29E-08
194	500869.84	3733041.65	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.11E-08	0.00E+00	0.00E+00	6.19E-08
195	500871.96	3733054.71	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
196	500874.09	3733067.76	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	5.99E-08
197	500876.21	3733080.82	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.91E-08	0.00E+00	0.00E+00	5.90E-08
198	500878.34	3733093.88	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.85E-08	0.00E+00	0.00E+00	5.81E-08
199	500880.46	3733106.94	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
200	500882.59	3733120	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.63E-08
201	500884.72	3733133.06	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
202	500886.84	3733146.12	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
203	500888.97	3733159.17	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.39E-08
204	500891.09	3733172.23	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.32E-08
205	500899.26	3732976.7	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
206	500901.39	3732989.74	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
207	500903.51	3733002.77	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.90E-08
208	500905.63	3733015.81	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.85E-08	0.00E+00	0.00E+00	5.81E-08
209	500907.75	3733028.85	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
210	500909.88	3733041.89	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.63E-08
211	500912	3733054.92	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
212	500914.12	3733067.96	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
213	500916.24	3733081	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
214	500918.36	3733094.04	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.30E-08
215	500920.49	3733107.07	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
216	500922.61	3733120.11	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
217	500924.73	3733133.15	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
218	500926.85	3733146.19	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
219	500928.97	3733159.23	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	1.66E-08	3.28E-08	0.00E+00	0.00E+00	4.94E-08
220	500931.1	3733172.26	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.24E-08	0.00E+00	0.00E+00	4.88E-08
221	500939.31	3732977	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
222	500941.43	3732990.02	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
223	500943.55	3733003.04	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
224	500945.67	3733016.06	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
225	500947.79	3733029.08	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
226	500949.91	3733042.1	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
227	500952.03	3733055.12	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
228	500954.15	3733068.14	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
229	500956.27	3733081.16	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
230	500958.39	3733094.18	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.86E-08
231	500960.51	3733107.2	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
232	500962.62	3733120.21	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
233	500964.74	3733133.23	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
234	500966.86	3733146.25	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
235	500968.98	3733159.27	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.55E-08
236	500971.1	3733172.29	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
237	500979.36	3732977.28	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
238	500981.48	3732990.28	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
239	500983.59	3733003.28	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.94E-08
240	500985.71	3733016.29	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.86E-08
241	500987.83	3733029.29	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
242	500989.94	3733042.29	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.73E-08
243	500992.06	3733055.29	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
244	500994.17	3733068.3	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
245	500996.29	3733081.3	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
246	500998.41	3733094.3	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
247	501000.52	3733107.3	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.48E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
248	501002.64	3733120.31	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.35E-08
249	500969.85	3732925.49	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
250	501021.51	3732990.52	1.03E-07	1.74E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.74E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.58E-08
251	501023.63	3733003.5	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
252	501025.74	3733016.49	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
253	501027.86	3733029.48	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
254	501029.97	3733042.47	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
255	501032.08	3733055.45	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.29E-08
256	501036.31	3733081.43	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08

257	501038.43	3733094.41	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
258	501040.54	3733107.4	9.11E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.08E-08
259	501042.65	3733120.39	9.00E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.03E-08
260	501044.77	3733133.38	8.90E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
261	501046.88	3733146.36	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
262	501049	3733159.35	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
263	501048.88	3732912.89	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.59E-08
264	501050.99	3732925.86	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
265	501053.1	3732938.83	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
266	501057.33	3732964.78	9.72E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
267	501059.44	3732977.75	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
268	501061.55	3732990.73	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
269	501072.11	3733055.6	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.97E-08
270	501076.33	3733081.54	8.67E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	1.31E-08	2.57E-08	0.00E+00	0.00E+00	3.88E-08
271	501078.44	3733094.52	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
272	501080.55	3733107.49	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
273	501084.78	3733133.44	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.70E-08
274	501086.89	3733146.41	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
275	501089	3733159.39	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
276	501045.72	3732900.12	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
277	501082.74	3732901.52	9.67E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
278	501084.84	3732914.43	9.55E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
279	501086.94	3732927.33	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.21E-08
280	501093.24	3732966.03	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
281	501095.34	3732978.94	8.96E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.00E-08
282	501097.44	3732991.84	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.96E-08
283	501101.64	3733017.64	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.86E-08
284	501103.74	3733030.54	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.53E-08	0.00E+00	0.00E+00	3.81E-08
285	501105.84	3733043.45	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.77E-08
286	501107.94	3733056.35	8.33E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	1.25E-08	2.47E-08	0.00E+00	0.00E+00	3.72E-08
287	501112.14	3733082.15	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.64E-08
288	501114.24	3733095.05	8.04E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
289	501116.34	3733107.96	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
290	501120.54	3733133.76	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
291	501122.64	3733146.66	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
292	501124.74	3733159.56	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
293	501079.59	3732888.79	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
294	501116.61	3732890.17	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
295	501118.7	3732903	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
296	501120.79	3732915.84	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.99E-08
297	501122.88	3732928.67	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.61E-08	0.00E+00	0.00E+00	3.94E-08
298	501129.14	3732967.18	8.49E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.79E-08
299	501131.23	3732980.02	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
300	501133.32	3732992.86	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.70E-08
301	501137.5	3733018.53	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.61E-08
302	501139.59	3733031.37	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
303	501141.68	3733044.2	7.89E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
304	501143.77	3733057.04	7.80E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.49E-08
305	501147.95	3733082.71	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
306	501150.04	3733095.55	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
307	501152.13	3733108.38	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.22E-08	0.00E+00	0.00E+00	3.34E-08
308	501156.31	3733134.06	7.33E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.28E-08
309	501158.4	3733146.89	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
310	501160.49	3733159.73	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
311	501162.57	3733172.57	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
312	501113.46	3732877.47	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.75E-08	0.00E+00	0.00E+00	4.15E-08
313	501150.5	3732878.94	8.62E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.85E-08
314	501152.62	3732891.98	8.51E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.80E-08
315	501154.74	3732905.01	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.76E-08
316	501156.86	3732918.05	8.29E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
317	501158.98	3732931.09	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
318	501165.35	3732970.2	7.90E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
319	501167.47	3732983.23	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
320	501169.59	3732996.27	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
321	501173.84	3733022.34	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.38E-08
322	501175.96	3733035.38	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
323	501178.08	3733048.42	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
324	501182.33	3733074.49	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
325	501184.45	3733087.53	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.08E-08	2.12E-08	0.00E+00	0.00E+00	3.20E-08
326	501186.57	3733100.56	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
327	501188.69	3733113.6	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.08E-08	0.00E+00	0.00E+00	3.13E-08
328	501197.18	3733165.75	6.73E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	2.00E-08	0.00E+00	0.00E+00	3.01E-08
329	501147.33	3732866.14	8.74E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	1.32E-08	2.59E-08	0.00E+00	0.00E+00	3.91E-08
330	501184.36	3732867.58	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
331	501186.47	3732880.55	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
332	501188.58	3732893.52	7.96E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
333	501190.69	3732906.49	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.52E-08
334	501192.81	3732919.46	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
335	501194.92	3732932.43	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
336	501201.25	3732971.34	7.43E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
337	501203.36	3732984.31	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
338	501205.47	3732997.28	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
339	501209.69	3733023.22	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
340	501211.8	3733036.18	7.04E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.15E-08
341	501213.92	3733049.15	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.11E-08
342	501222.36	3733101.03	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.99E-08
343	501224.47	3733114	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.97E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
344	501226.58	3733126.97	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.87E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
345	501228.69	3733139.94	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	9.78E-09	1.93E-08	0.00E+00	0.00E+00	2.90E-08
346	501230.8	3733152.91	6.43E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.68E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
347	501232.92	3733165.88	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.60E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
348	501235.03	3733178.85	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	9.51E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
349	501181.21	3732854.81	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.70E-08
350	501218.23	3732856.22	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.46E-08
351	501220.33	3732869.13	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
352	501222.43	3732882.04	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.38E-08
353	501224.53	3732894.95	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.35E-08
354	501226.63	3732907.85	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.20E-08	0.00E+00	0.00E+00	3.31E-08
355	501228.73	3732920.76	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
356	501230.83	3732933.67	7.24E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
357	501239.24	3732985.3	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
358	501241.34	3732998.21	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
359	501243.44	3733011.11	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.04E-08
360	501245.54	3733024.02	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.01E-08
361	501247.64	3733036.93	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
362	501249.74	3733049.84	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.92E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
363	501251.84	3733062.74	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.82E-09	1.93E-08	0.00E+00	0.00E+00	2.92E-08
364	501258.14	3733101.47	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.54E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
365	501260.25	3733114.37	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.44E-09	1.86E-08	0.00E+00	0.00E+00	2.80E-08
366	501266.55	3733153.1	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
367	501268.65	3733166	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.10E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
368	501270.75	3733178.91	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.03E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
369	501215.08	3732843.49	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
370	501252.09	3732844.87	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.29E-08
371	501254.18	3732857.72	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
372	501256.28	3732870.57	7.21E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.22E-08
373	501258.37	3732883.42	7.13E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.19E-08
374	501260.46	3732896.27	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.15E-08
375	501262.55	3732909.12	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
376	501264.64	3732921.97	6.90E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
377	501266.73	3732934.82	6.83E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.05E-08
378	501270.92	3732960.52	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.99E-08
379	501273.01	3732973.37	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.97E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
380	501275.1	3732986.22	6.55E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.87E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
381	501277.19	3732999.07	6.49E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.77E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
382	501291.83	3733089.02	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.13E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
383	501293.92	3733101.87	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.05E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
384	501296.02	3733114.72	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.97E-09	1.77E-08	0.00E+00	0.00E+00	2.66E-08
385	501298.11	3733127.57	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.88E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
386	501300.2	3733140.42	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	8.79E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08

387	501302.29	3733153.27	5.78E-08	9.84E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	9.84E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.71E-08	0.00E+00	0.00E+00	2.59E-08
388	501304.38	3733166.12	5.73E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	8.63E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
389	501306.47	3733178.97	5.68E-08	9.67E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	9.67E-08	0.00E+00	0.00E+00	1.53E-07	8.55E-09	1.68E-08	0.00E+00	0.00E+00	2.54E-08
390	501248.95	3732832.16	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
391	501285.98	3732833.63	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
392	501288.1	3732846.65	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
393	501290.22	3732859.68	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
394	501292.34	3732872.7	6.80E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.02E-08	2.02E-08	0.00E+00	0.00E+00	3.04E-08
395	501294.46	3732885.73	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.01E-08
396	501296.58	3732898.75	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
397	501298.7	3732911.78	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.91E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
398	501300.82	3732924.8	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.81E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
399	501302.94	3732937.83	6.45E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.71E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
400	501307.18	3732963.88	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.52E-09	1.87E-08	0.00E+00	0.00E+00	2.83E-08
401	501309.3	3732976.91	6.26E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	9.42E-09	1.86E-08	0.00E+00	0.00E+00	2.80E-08
402	501311.42	3732989.93	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.33E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
403	501313.54	3733002.96	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	9.23E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
404	501315.66	3733015.98	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.14E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
405	501317.78	3733029.01	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.05E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
406	501319.9	3733042.03	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.96E-09	1.77E-08	0.00E+00	0.00E+00	2.66E-08
407	501322.02	3733055.06	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.88E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
408	501324.14	3733068.08	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	8.79E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
409	501326.26	3733081.11	5.78E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
410	501328.38	3733094.13	5.73E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	8.63E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
411	501330.5	3733107.16	5.68E-08	9.66E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	9.66E-08	0.00E+00	0.00E+00	1.53E-07	8.55E-09	1.68E-08	0.00E+00	0.00E+00	2.54E-08
412	501332.62	3733120.18	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	8.47E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
413	501334.74	3733133.21	5.57E-08	9.49E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-08	9.49E-08	0.00E+00	0.00E+00	1.51E-07	8.39E-09	1.65E-08	0.00E+00	0.00E+00	2.49E-08
414	501336.86	3733146.23	5.52E-08	9.40E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-08	9.40E-08	0.00E+00	0.00E+00	1.49E-07	8.32E-09	1.64E-08	0.00E+00	0.00E+00	2.47E-08
415	501338.98	3733159.26	5.48E-08	9.32E-08	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-08	9.32E-08	0.00E+00	0.00E+00	1.48E-07	8.24E-09	1.62E-08	0.00E+00	0.00E+00	2.45E-08
416	501341.1	3733172.28	5.43E-08	9.24E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-08	9.24E-08	0.00E+00	0.00E+00	1.47E-07	8.17E-09	1.61E-08	0.00E+00	0.00E+00	2.43E-08
417	501282.82	3732820.84	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
418	500229.2	3733168.95	2.61E-06	4.45E-06	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-06	4.45E-06	0.00E+00	0.00E+00	7.06E-06	3.93E-07	7.75E-07	0.00E+00	0.00E+00	1.17E-06
419	501024.68	3732969.8	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.62E-08
420	501201.69	3732923.93	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
421	501236.26	3732914.97	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
422	501269.13	3732899.45	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
423	501303.71	3732890.49	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.95E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
424	500342	3733120.27	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.56E-07	3.06E-07	0.00E+00	0.00E+00	4.62E-07
425	500361.69	3733116.75	9.18E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.72E-07	0.00E+00	0.00E+00	4.11E-07
426	500915.82	3733034.31	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
427	500956.63	3733035.28	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
428	500994.58	3733020.24	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
429	501035.38	3733021.22	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
430	501032.52	3733005.2	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
431	501071.9	3732998.17	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
432	501107.06	3732991.89	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
433	501142.22	3732985.61	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.66E-08
434	501180.23	3732995.35	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
435	501177.37	3732979.33	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
436	501215.39	3732989.07	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
437	501212.53	3732973.05	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
438	501250.55	3732982.79	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
439	501247.69	3732966.77	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
440	501285.71	3732976.51	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.76E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
441	501282.85	3732960.49	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.89E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
442	501320.87	3732970.23	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.28E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
443	500323.76	3733120.12	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.13E-06	1.75E-07	3.44E-07	0.00E+00	0.00E+00	5.18E-07
444	500440.74	3733163.88	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	8.61E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
445	500470.38	3733168.48	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	7.38E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
446	500500.03	3733173.08	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	6.38E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
447	500529.67	3733177.68	3.70E-07	6.30E-07	0.00E+00	0.00E+00	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	9.99E-07	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
448	500559.32	3733182.28	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.46E-07
449	500562.64	3733160.88	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.88E-07	4.95E-08	9.75E-08	0.00E+00	0.00E+00	1.47E-07
450	500588.96	3733186.88	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.34E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
451	500591.18	3733172.61	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.37E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
452	500618.61	3733191.47	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
453	500620.82	3733177.21	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
454	500648.25	3733196.07	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
455	500650.47	3733181.81	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
456	500677.9	3733200.67	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.37E-08
457	500680.11	3733186.41	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
458	500717.43	3733206.81	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.28E-08
459	500719.64	3733192.54	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.32E-08
460	500756.95	3733212.94	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
461	500759.17	3733198.67	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.49E-08	4.91E-08	0.00E+00	0.00E+00	7.41E-08
462	500796.48	3733219.07	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
463	500798.69	3733204.8	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
464	500836.01	3733225.2	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.84E-08
465	500838.22	3733210.94	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.01E-08
466	500875.54	3733231.33	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.30E-08
467	500877.75	3733217.07	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.33E-08
468	500915.06	3733237.47	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
469	500917.28	3733223.2	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
470	500954.59	3733243.6	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
471	500956.8	3733229.33	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
472	500994.12	3733249.73	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
473	500996.33	3733235.46	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
474	501033.64	3733255.86	8.54E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.53E-08	0.00E+00	0.00E+00	3.82E-08
475	501035.86	3733241.6	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
476	501108.46	3733267.47	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
477	501110.68	3733253.2	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
478	501143.76	3733272.95	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.08E-08	0.00E+00	0.00E+00	3.13E-08
479	501145.97	3733258.68	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
480	501214.34	3733283.9	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.39E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
481	501216.55	3733269.63	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.41E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
482	501251.84	3733275.11	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.92E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
483	501287.14	3733280.58	5.62E-08	9.56E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-08	9.56E-08	0.00E+00	0.00E+00	1.52E-07	8.46E-09	1.67E-08	0.00E+00	0.00E+00	2.51E-08
484	501320.22	3733300.32	5.32E-08	9.05E-08	0.00E+00	0.00E+00	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-08	9.05E-08	0.00E+00	0.00E+00	1.44E-07	8.01E-09	1.58E-08	0.00E+00	0.00E+00	2.38E-08
485	500184.22	3733058.1	3.00E-06	5.10E-06	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-06	5.10E-06	0.00E+00	0.00E+00	8.10E-06	4.51E-07	8.89E-07	0.00E+00	0.00E+00	1.34E-06
486	500175.1	3733054.31	3.14E-06	5.35E-06	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-06	5.35E-06	0.00E+00	0.00E+00	8.49E-06	4.73E-07	9.31E-07	0.00E+00	0.00E+00	1.40E-06
487	500165.97	3733050.52	3.26E-06	5.55E-06	0.00E+00	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-06	5.55E-06	0.00E+00	0.00E+00	8.81E-06	4.91E-07	9.67E-07	0.00E+00	0.00E+00	1.46E-06
488	500156.84	3733046.73	3.35E-06	5.71E-06	0.00E+00	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-06	5.71E-06	0.00E+00	0.00E+00	9.07E-06	5.05E-07	9.95E-07	0.00E+00	0.00E+00	1.50E-06
489	500147.72	3733042.93	3.43E-06	5.83E-06	0.00E+00	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-06	5.83E-06	0.00E+00	0.00E+00	9.26E-06	5.16E-07	1.02E-06	0.00E+00	0.00E+00	1.53E-06
490	500138.59	3733039.14	3.48E-06	5.93E-06	0.00E+00	0.00E+00	9.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	5.93E-06	0.00E+00	0.00E+00	9.41E-06	5.24E-07	1.03E-06	0.00E+00	0.00E+00	1.56E-06
491	500129.47	3733035.35	3.52E-06	6.00E-06	0.00E+00	0.00E+00	9.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-06	6.00E-06	0.00E+00	0.00E+00	9.52E-06	5.30E-07	1.04E-06	0.00E+00	0.00E+00	1.58E-06
492	500120.34	3733031.56	3.55E-06	6.05E-06	0.00E+00	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-06	6.05E-06	0.00E+00	0.00E+00	9.60E-06	5.35E-07	1.05E-06	0.00E+00	0.00E+00	1.59E-06
493	500111.21	3733027.77	3.57E-06	6.08E-06	0.00E+00	0.00E+00	9.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-06	6.08E-06	0.00E+00	0.00E+00	9.65E-06	5.37E-07	1.06E-06	0.00E+00	0.00E+00	1.60E-06
494	500102.09	3733023.98	3.58E-06	6.09E-06	0.00E+00	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-06	6.09E-06	0.00E+00	0.00E+00	9.67E-06	5.39E-07	1.06E-06	0.00E+00	0.00E+00	1.60E-06
495	500092.96	3733020.19	3.58E-06	6.10E-06	0.00E+00	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-06	6.10E-06	0.00E+00	0.00E+00	9.68E-06	5.39E-07	1.06E-06	0.00E+00	0.00E+00	1.60E-06
496	500083.83	3733016.4	3.58E-06	6.09E-06	0.00E+00	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-06	6.09E-06	0.00E+00	0.00E+00	9.66E-06	5.38E-07	1.06E-06	0.00E+00	0.00E+00	1.60E-06
497	500074.71	3733012.61	3.56E-06	6.07E-06	0.00E+00	0.00E+00	9.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-06	6.07E-06	0.00E+00	0.00E+00	9.63E-06	5.37E-07	1.06E-06	0.00E+00	0.00E+00	1.59E-06
498	500065.58	3733008.81	3.54E-06	6.03E-06	0.00E+00	0.00E+00	9.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-06	6.03E-06	0.00E+00	0.00E+00	9.58E-06	5.34E-07	1.05E-06	0.00E+00	0.00E+00	1.59E-06
499	500056.46	3733005.02	3.52E-06	5.99E-06	0.00E+00	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-06	5.99E-06	0.00E+00	0.00E+00	9.51E-06	5.30E-07	1.04E-06	0.00E+00	0.00E+00	1.57E-06
500	500047.33	3733001.23	3.49E-06	5.94E-06	0.00E+00	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-06	5.94E-06	0.00E+00	0.00E+00	9.43E-06	5.26E-07	1.04E-06	0.00E+00	0.00E+00	1.56E-06
501	500038.2	3732997.44	3.46E-06	5.88E-06	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-06	5.88E-06	0.00E+00	0.00E+00	9.34E-06	5.20E-07	1.02E-06	0.00E+00	0.00E+00	1.54E-06
502	500029.08	3732993.65	3.41E-06	5.81E-06	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-06	5.81E-06	0.00E+00	0.00E+00	9.22E-06	5.14E-07	1.01E-06	0.00E+00	0.00E+00	1.53E-06
503	500019.95	3732989.86	3.37E-06	5.73E-06	0.00E+00	0.00E+00	9.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-06	5.73E-06	0.00E+00	0.00E+00	9.10E-06	5.07E-07	9.98E-07	0.00E+00	0.00E+00	1.51E-06
504	500010.82	3732986.07	3.31E-06	5.64E-06	0.00E+00	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-06	5.64E-06	0.00E+00	0.00E+00	8.95E-06	4.99E-07	9.83E-07	0.00E+00	0.00E+00	1.48E-06
505	500001.7	3732982.28	3.25E-06	5.54E-06	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-06	5.54E-06	0.00E+00	0.00E+00	8.79E-06	4.90E-07	9.65E-07	0.00E+00	0.00E+00	1.45E-06
506	499992.57	3732978.49	3.19E-06	5.42E-06	0.00E+00	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-06	5.42E-06	0.00E+00	0.00E+00	8.61E-06	4.80E-07	9.45E-07	0.00E+00	0.00E+00	1.42E-06
507	499983.45	3732974.69	3.11E-06	5.30E-06	0.00E+00	0.00E+00	8.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-06	5.30E-06	0.00E+00	0.00E+00	8.41E-06	4.69E-07	9.23E-07	0.00E+00	0.00E+00	1.39E-06
508	499974.32	3732970.9	3.03E-06	5.16E-06	0.00E+00	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-06	5.16E-06	0.00E+00	0.00E+00	8.19E-06	4.56E-07	8.99E-07	0.00E+00	0.00E+00	1.36E-06
509	499965.19	3732967.11	2.94E-06	5.00E-06	0.00E+00	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-06	5.00E-06	0.00E+00	0.00E+00	7.94E-06	4.43E-07	8.72E-07	0.00E+00	0.00E+00	1.31E-06
510	500224.8	3733060.23	2.19E-06	3.72E-06	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-06	3.72E-06	0.00E+00	0.00E+00	5.91E-06	3.29E-07	6.48E-07	0.00E+00	0.00E+00	9.77E-07
511	500232.12	3733066.74	2.10E-06	3.57E-06	0.00E+00	0.00E+00	5.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	3.57E-06	0.00E+00	0.00E+00	5.67E-06	3.16E-07	6.23E-07	0.00E+00	0.00E+00	9.39E-07
512	500241.19	3733082.89	2.01E-06	3.43E-06	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-06	3.43E-06	0.00E+00	0.00E+00	5.44E-06	3.03E-07	5.97E-07	0.00E+00	0.00E+00	9.01E-07
513	500191.89	3733039.63	2.57E-06	4.38E-06	0.00E+00	0.00E+00	6.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-06	4.38E-06	0.00E+00	0.00E+00	6.95E-06	3.87E-07	7.63E-07	0.00E+00	0.00E+00	1.15E-06
514	500182.77	3733035.84	2.67E-06	4.55E-06	0.00E+00	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-06	4.55E-06	0.00E+00	0.00E+00	7.22E-06	4.02E-07	7.93E-07	0.00E+00	0.00E+00	1.19E-06
515	500173.64	3733032.05	2.76E-06	4.70E-06	0.00E+00	0.00E+00	7.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-06	4.70E-06	0.00E+00	0.00E+00	7.46E-06	4.16E-07	8.19E-07	0.00E+00	0.00E+00	1.23E-06
516	500164.52	3733028.26	2.83E-06	4.82E-06	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-06	4.82E-06	0.00E+00	0.00E+00	7.66E-06	4.27E-07	8.40E-07	0.00E+00	0.00E+00	1.27E-06

517	500155.39	3733024.46	2.89E-06	4.92E-06	0.00E+00	0.00E+00	7.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-06	4.92E-06	0.00E+00	0.00E+00	7.82E-06	4.36E-07	8.58E-07	0.00E+00	0.00E+00	1.29E-06
518	500146.26	3733020.67	2.94E-06	5.00E-06	0.00E+00	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-06	5.00E-06	0.00E+00	0.00E+00	7.94E-06	4.43E-07	8.72E-07	0.00E+00	0.00E+00	1.31E-06
519	500137.14	3733016.88	2.98E-06	5.06E-06	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-06	5.06E-06	0.00E+00	0.00E+00	8.04E-06	4.48E-07	8.82E-07	0.00E+00	0.00E+00	1.33E-06
520	500128.01	3733013.09	3.00E-06	5.11E-06	0.00E+00	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-06	5.11E-06	0.00E+00	0.00E+00	8.11E-06	4.52E-07	8.90E-07	0.00E+00	0.00E+00	1.34E-06
521	500118.89	3733009.3	3.02E-06	5.14E-06	0.00E+00	0.00E+00	8.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-06	5.14E-06	0.00E+00	0.00E+00	8.15E-06	4.54E-07	8.95E-07	0.00E+00	0.00E+00	1.35E-06
522	500109.76	3733005.51	3.03E-06	5.15E-06	0.00E+00	0.00E+00	8.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-06	5.15E-06	0.00E+00	0.00E+00	8.18E-06	4.56E-07	8.98E-07	0.00E+00	0.00E+00	1.35E-06
523	500100.63	3733001.72	3.03E-06	5.15E-06	0.00E+00	0.00E+00	8.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-06	5.15E-06	0.00E+00	0.00E+00	8.18E-06	4.56E-07	8.98E-07	0.00E+00	0.00E+00	1.35E-06
524	500091.51	3732997.93	3.02E-06	5.15E-06	0.00E+00	0.00E+00	8.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-06	5.15E-06	0.00E+00	0.00E+00	8.17E-06	4.55E-07	8.97E-07	0.00E+00	0.00E+00	1.35E-06
525	500082.38	3732994.14	3.01E-06	5.13E-06	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-06	5.13E-06	0.00E+00	0.00E+00	8.14E-06	4.54E-07	8.94E-07	0.00E+00	0.00E+00	1.35E-06
526	500073.25	3732990.34	3.00E-06	5.10E-06	0.00E+00	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-06	5.10E-06	0.00E+00	0.00E+00	8.10E-06	4.51E-07	8.89E-07	0.00E+00	0.00E+00	1.34E-06
527	500064.13	3732986.55	2.98E-06	5.06E-06	0.00E+00	0.00E+00	8.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-06	5.06E-06	0.00E+00	0.00E+00	8.04E-06	4.48E-07	8.82E-07	0.00E+00	0.00E+00	1.33E-06
528	500055	3732982.76	2.95E-06	5.02E-06	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-06	5.02E-06	0.00E+00	0.00E+00	7.97E-06	4.44E-07	8.74E-07	0.00E+00	0.00E+00	1.32E-06
529	500045.88	3732978.97	2.92E-06	4.96E-06	0.00E+00	0.00E+00	7.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-06	4.96E-06	0.00E+00	0.00E+00	7.88E-06	4.39E-07	8.65E-07	0.00E+00	0.00E+00	1.30E-06
530	500036.75	3732975.18	2.88E-06	4.90E-06	0.00E+00	0.00E+00	7.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-06	4.90E-06	0.00E+00	0.00E+00	7.78E-06	4.33E-07	8.54E-07	0.00E+00	0.00E+00	1.29E-06
531	500027.62	3732971.39	2.84E-06	4.83E-06	0.00E+00	0.00E+00	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-06	4.83E-06	0.00E+00	0.00E+00	7.66E-06	4.27E-07	8.41E-07	0.00E+00	0.00E+00	1.27E-06
532	500018.5	3732967.6	2.79E-06	4.75E-06	0.00E+00	0.00E+00	7.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-06	4.75E-06	0.00E+00	0.00E+00	7.53E-06	4.20E-07	8.27E-07	0.00E+00	0.00E+00	1.25E-06
533	500009.37	3732963.81	2.73E-06	4.65E-06	0.00E+00	0.00E+00	7.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-06	4.65E-06	0.00E+00	0.00E+00	7.39E-06	4.12E-07	8.11E-07	0.00E+00	0.00E+00	1.22E-06
534	500000.24	3732960.02	2.67E-06	4.55E-06	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-06	4.55E-06	0.00E+00	0.00E+00	7.23E-06	4.03E-07	7.93E-07	0.00E+00	0.00E+00	1.20E-06
535	499991.12	3732956.22	2.61E-06	4.44E-06	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-06	4.44E-06	0.00E+00	0.00E+00	7.05E-06	3.93E-07	7.74E-07	0.00E+00	0.00E+00	1.17E-06
536	499981.99	3732952.43	2.54E-06	4.32E-06	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-06	4.32E-06	0.00E+00	0.00E+00	6.85E-06	3.82E-07	7.52E-07	0.00E+00	0.00E+00	1.13E-06
537	499927.23	3732929.69	1.93E-06	3.29E-06	0.00E+00	0.00E+00	5.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-06	3.29E-06	0.00E+00	0.00E+00	5.22E-06	2.91E-07	5.73E-07	0.00E+00	0.00E+00	8.64E-07
538	499918.11	3732925.9	1.80E-06	3.07E-06	0.00E+00	0.00E+00	4.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-06	3.07E-06	0.00E+00	0.00E+00	4.87E-06	2.71E-07	5.35E-07	0.00E+00	0.00E+00	8.06E-07
539	499908.98	3732922.1	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.51E-06	2.51E-07	4.95E-07	0.00E+00	0.00E+00	7.46E-07
540	499899.86	3732918.31	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.15E-06	2.31E-07	4.55E-07	0.00E+00	0.00E+00	6.86E-07
541	499890.73	3732914.52	1.40E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	2.11E-07	4.16E-07	0.00E+00	0.00E+00	6.28E-07
542	499881.6	3732910.73	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	1.93E-07	3.80E-07	0.00E+00	0.00E+00	5.73E-07
543	499872.48	3732906.94	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.15E-06	1.76E-07	3.46E-07	0.00E+00	0.00E+00	5.22E-07
544	500224.33	3733034.53	2.04E-06	3.48E-06	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	3.48E-06	0.00E+00	0.00E+00	5.52E-06	3.08E-07	6.06E-07	0.00E+00	0.00E+00	9.14E-07
545	500237.35	3733046.1	1.93E-06	3.29E-06	0.00E+00	0.00E+00	5.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-06	3.29E-06	0.00E+00	0.00E+00	5.22E-06	2.91E-07	5.73E-07	0.00E+00	0.00E+00	8.64E-07
546	500250.38	3733057.67	1.81E-06	3.08E-06	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-06	3.08E-06	0.00E+00	0.00E+00	4.89E-06	2.72E-07	5.36E-07	0.00E+00	0.00E+00	8.09E-07
547	500258.44	3733072.03	1.75E-06	2.97E-06	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-06	2.97E-06	0.00E+00	0.00E+00	4.72E-06	2.63E-07	5.18E-07	0.00E+00	0.00E+00	7.81E-07
548	500261.54	3733089.17	1.74E-06	2.97E-06	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	2.97E-06	0.00E+00	0.00E+00	4.71E-06	2.62E-07	5.17E-07	0.00E+00	0.00E+00	7.80E-07
549	500190.44	3733017.37	2.34E-06	3.98E-06	0.00E+00	0.00E+00	6.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-06	3.98E-06	0.00E+00	0.00E+00	6.32E-06	3.52E-07	6.94E-07	0.00E+00	0.00E+00	1.05E-06
550	500181.31	3733013.58	2.41E-06	4.10E-06	0.00E+00	0.00E+00	6.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-06	4.10E-06	0.00E+00	0.00E+00	6.50E-06	3.62E-07	7.14E-07	0.00E+00	0.00E+00	1.08E-06
551	500172.19	3733009.79	2.46E-06	4.20E-06	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-06	4.20E-06	0.00E+00	0.00E+00	6.66E-06	3.71E-07	7.31E-07	0.00E+00	0.00E+00	1.10E-06
552	500163.06	3733005.99	2.51E-06	4.28E-06	0.00E+00	0.00E+00	6.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-06	4.28E-06	0.00E+00	0.00E+00	6.79E-06	3.78E-07	7.45E-07	0.00E+00	0.00E+00	1.12E-06
553	500153.94	3733002.2	2.55E-06	4.34E-06	0.00E+00	0.00E+00	6.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-06	4.34E-06	0.00E+00	0.00E+00	6.90E-06	3.84E-07	7.57E-07	0.00E+00	0.00E+00	1.14E-06
554	500144.81	3732998.41	2.58E-06	4.40E-06	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-06	4.40E-06	0.00E+00	0.00E+00	6.98E-06	3.89E-07	7.66E-07	0.00E+00	0.00E+00	1.15E-06
555	500135.68	3732994.62	2.60E-06	4.43E-06	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-06	4.43E-06	0.00E+00	0.00E+00	7.04E-06	3.92E-07	7.73E-07	0.00E+00	0.00E+00	1.16E-06
556	500126.56	3732990.83	2.62E-06	4.46E-06	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-06	4.46E-06	0.00E+00	0.00E+00	7.08E-06	3.94E-07	7.77E-07	0.00E+00	0.00E+00	1.17E-06
557	500117.43	3732987.04	2.63E-06	4.47E-06	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-06	4.47E-06	0.00E+00	0.00E+00	7.10E-06	3.96E-07	7.79E-07	0.00E+00	0.00E+00	1.18E-06
558	500108.31	3732983.25	2.63E-06	4.48E-06	0.00E+00	0.00E+00	7.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-06	4.48E-06	0.00E+00	0.00E+00	7.11E-06	3.96E-07	7.80E-07	0.00E+00	0.00E+00	1.18E-06
559	500099.18	3732979.46	2.63E-06	4.47E-06	0.00E+00	0.00E+00	7.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-06	4.47E-06	0.00E+00	0.00E+00	7.10E-06	3.95E-07	7.79E-07	0.00E+00	0.00E+00	1.17E-06
560	500090.05	3732975.67	2.62E-06	4.45E-06	0.00E+00	0.00E+00	7.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-06	4.45E-06	0.00E+00	0.00E+00	7.07E-06	3.94E-07	7.76E-07	0.00E+00	0.00E+00	1.17E-06
561	500080.93	3732971.87	2.60E-06	4.43E-06	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-06	4.43E-06	0.00E+00	0.00E+00	7.03E-06	3.92E-07	7.72E-07	0.00E+00	0.00E+00	1.16E-06
562	500071.8	3732968.08	2.58E-06	4.40E-06	0.00E+00	0.00E+00	6.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-06	4.40E-06	0.00E+00	0.00E+00	6.98E-06	3.89E-07	7.66E-07	0.00E+00	0.00E+00	1.15E-06
563	500062.67	3732964.29	2.56E-06	4.35E-06	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-06	4.35E-06	0.00E+00	0.00E+00	6.91E-06	3.85E-07	7.59E-07	0.00E+00	0.00E+00	1.14E-06
564	500053.55	3732960.5	2.53E-06	4.31E-06	0.00E+00	0.00E+00	6.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	4.31E-06	0.00E+00	0.00E+00	6.83E-06	3.81E-07	7.50E-07	0.00E+00	0.00E+00	1.13E-06
565	500044.42	3732956.71	2.50E-06	4.25E-06	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-06	4.25E-06	0.00E+00	0.00E+00	6.74E-06	3.76E-07	7.40E-07	0.00E+00	0.00E+00	1.12E-06
566	500035.3	3732952.92	2.46E-06	4.18E-06	0.00E+00	0.00E+00	6.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-06	4.18E-06	0.00E+00	0.00E+00	6.64E-06	3.70E-07	7.29E-07	0.00E+00	0.00E+00	1.10E-06
567	499989.66	3732933.96	2.19E-06	3.72E-06	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-06	3.72E-06	0.00E+00	0.00E+00	5.91E-06	3.29E-07	6.49E-07	0.00E+00	0.00E+00	9.78E-07
568	499980.54	3732930.17	2.12E-06	3.60E-06	0.00E+00	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-06	3.60E-06	0.00E+00	0.00E+00	5.72E-06	3.19E-07	6.28E-07	0.00E+00	0.00E+00	9.47E-07
569	499971.41	3732926.38	2.04E-06	3.48E-06	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	3.48E-06	0.00E+00	0.00E+00	5.52E-06	3.07E-07	6.06E-07	0.00E+00	0.00E+00	9.13E-07
570	499962.29	3732922.59	1.96E-06	3.34E-06	0.00E+00	0.00E+00	5.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	3.34E-06	0.00E+00	0.00E+00	5.29E-06	2.95E-07	5.81E-07	0.00E+00	0.00E+00	8.76E-07
571	499953.16	3732918.8	1.87E-06	3.19E-06	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-06	3.19E-06	0.00E+00	0.00E+00	5.06E-06	2.82E-07	5.55E-07	0.00E+00	0.00E+00	8.37E-07
572	499944.03	3732915.01	1.78E-06	3.03E-06	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	3.03E-06	0.00E+00	0.00E+00	4.80E-06	2.68E-07	5.27E-07	0.00E+00	0.00E+00	7.95E-07
573	499934.91	3732911.22	1.68E-06	2.86E-06	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	2.86E-06	0.00E+00	0.00E+00	4.54E-06	2.53E-07	4.98E-07	0.00E+00	0.00E+00	7.51E-07
574	499925.78	3732907.43	1.58E-06	2.68E-06	0.00E+00	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-06	2.68E-06	0.00E+00	0.00E+00	4.26E-06	2.37E-07	4.68E-07	0.00E+00	0.00E+00	7.05E-07
575	499916.65	3732903.64	1.47E-06	2.51E-06	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.51E-06	0.00E+00	0.00E+00	3.98E-06	2.22E-07	4.37E-07	0.00E+00	0.00E+00	6.59E-07
576	499907.53	3732899.84	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.70E-06	2.06E-07	4.06E-07	0.00E+00	0.00E+00	6.12E-07
577	499898.4	3732896.05	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	1.91E-07	3.76E-07	0.00E+00	0.00E+00	5.67E-07
578	499889.28	3732892.26	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	1.76E-07	3.47E-07	0.00E+00	0.00E+00	5.24E-07
579	499880.15	3732888.47	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.21E-07	0.00E+00	0.00E+00	4.83E-07
580	500232.47	3733016.47	1.85E-06	3.15E-06	0.00E+00	0.00E+00	5.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-06	3.15E-06	0.00E+00	0.00E+00	5.00E-06	2.78E-07	5.49E-07	0.00E+00	0.00E+00	8.27E-07
581	500239.45	3733022.67	1.81E-06	3.07E-06	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-06	3.07E-06	0.00E+00	0.00E+00	4.88E-06	2.72E-07	5.35E-07	0.00E+00	0.00E+00	8.07E-07
582	500246.42	3733028.87	1.76E-06	2.99E-06	0.00E+00	0.00E+00	4.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-06	2.99E-06	0.00E+00	0.00E+00	4.75E-06	2.64E-07	5.21E-07	0.00E+00	0.00E+00	7.85E-07
583	500253.4	3733035.07	1.70E-06	2.90E-06	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-06	2.90E-06	0.00E+00	0.00E+00	4.60E-06	2.57E-07	5.05E-07	0.00E+00	0.00E+00	7.62E-07
584	500260.37	3733041.27	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.46E-06	2.48E-07	4.89E-07	0.00E+00	0.00E+00	7.37E-07
585	500267.35	3733047.47	1.59E-06	2.71E-06	0.00E+00	0.00E+00	4.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	2.71E-06	0.00E+00	0.00E+00	4.31E-06	2.40E-07	4.73E-07	0.00E+00	0.00E+00	7.13E-07
586	500275.99	3733062.85	1.54E-06	2.62E-06	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	2.62E-06	0.00E+00	0.00E+00	4.15E-06	2.31E-07	4.56E-07	0.00E+00	0.00E+00	6.87E-07
587	500277.65	3733072.03	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.15E-06	2.31E-07	4.55E-07	0.00E+00	0.00E+00	6.86E-07
588	500279.31	3733081.22	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	2.30E-07	4.54E-07	0.00E+00	0.00E+00	6.84E-07
589	500280.97	3733090.4	1.52E-06	2.59E-06	0.00E+00	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	2.59E-06	0.00E+00	0.00E+00	4.12E-06	2.29E-07	4.52E-07	0.00E+00	0.00E+00	6.81E-07
590	500282.63	3733099.58	1.52E-06	2.58E-06	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	2.58E-06	0.00E+00	0.00E+00	4.10E-06	2.28E-07	4.50E-07	0.00E+00	0.00E+00	6.78E-07
591	500284.29	3733108.77	1.51E-06	2.57E-06	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-06	2.57E-06	0.00E+00	0.00E+00	4.07E-06	2.27E-07	4.47E-07	0.00E+00	0.00E+00	6.74E-07
592	500225.49	3733010.27	1.89E-06	3.21E-06	0.00E+00	0.00E+00	5.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-06	3.21E-06	0.00E+00	0.00E+00	5.10E-06	2.84E-07	5.60E-07	0.00E+00	0.00E+00	8.44E-07
593	500188.99	3732995.11	2.14E-06	3.64E-06	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-06	3.64E-06	0.00E+00	0.00E+00	5.78E-06	3.22E-07	6.34E-07	0.00E+00	0.00E+00	9.56E-07
594	500179.86	3732991.32	2.18E-06	3.72E-06	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-06	3.72E-06	0.00E+00	0.00E+00	5.90E-06	3.29E-07	6.48E-07	0.00E+00	0.00E+00	9.77E-07
595	500170.73	3732987.52	2.22E-06	3.79E-06	0.00E+00	0.00E+00	6.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-06	3.79E-06	0.00E+00	0.00E+00	6.01E-06	3.35E-07	6.60E-07	0.00E+00	0.00E+00	9.95E-07
596	500161.61	3732983.73	2.26E-06	3.84E-06	0.00E+00	0.00E+00	6.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-06	3.84E-06	0.00E+00	0.00E+00	6.10E-06	3.40E-07	6.69E-07	0.00E+00	0.00E+00	1.01E-06
597	500152.48	3732979.94	2.28E-06	3.89E-06	0.00E+00	0.00E+00	6.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-06	3.89E-06	0.00E+00	0.00E+00	6.17E-06	3.44E-07	6.77E-07	0.00E+00	0.00E+00	1.02E-06
598	500143.36	3732976.15	2.30E-06	3.92E-06	0.00E+00	0.00E+00	6.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-06	3.92E-06	0.00E+00	0.00E+00	6.22E-06	3.47E-07	6.83E-07	0.00E+00	0.00E+00	1.03E-06
599	500134.23	3732972.36	2.32E-06	3.94E-06	0.00E+00	0.00E+00	6.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	3.94E-06	0.00E+00	0.00E+00	6.26E-06	3.49E-07	6.87E-07	0.00E+00	0.00E+00	1.04E-06
600	500125.1	3732968.57	2.32E-06	3.95E-06	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	3.95E-06	0.00E+00	0.00E+00	6.28E-06	3.50E-07	6.89E-07	0.00E+00	0.00E+00	1.04E-06
601	500115.98	3732964.78	2.32E-06	3.96E-06	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	3.96E-06	0.00E+00	0.00E+00	6.28E-06	3.50E-07	6.89E-07	0.00E+00	0.00E+00	1.04E-06
602	500106.85	3732960.99	2.32E-06	3.95E-06	0.00E+00	0.00E+00	6.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	3.95E-06	0.00E+00	0.00E+00	6.27E-06	3.49E-07	6.88E-07	0.00E+00	0.00E+00	1.04E-06
603	500097.73	3732957.2	2.31E-06	3.94E-06	0.00E+00	0.00E+00	6.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-06	3.94E-06	0.00E+00	0.00E+00	6.25E-06	3.48E-07	6.86E-07	0.00E+00	0.00E+00	1.03E-06
604	500088.6	3732953.4	2.30E-06	3.91E-06	0.00E+00	0.00E+00	6.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-06	3.91E-06	0.00E+00	0.00E+00	6.21E-06	3.46E-07	6.82E-07	0.00E+00	0.00E+00	1.03E-06
605	500033.84	3732930.66	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.75E-06	3.20E-07	6.31E-07	0.00E+00	0.00E+00	9.51E-07
606	500024.72	3732926.87	2.08E-06	3.55E-06	0.00E+00	0.00E+00	5.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-06	3.55E-06	0.00E+00	0.00E+00	5.63E-06	3.14E-07	6.18E-07	0.00E+00	0.00E+00	9.32E-07
607	500015.59	3732923.08	2.04E-06	3.47E-06	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	3.47E-06	0.00E+00	0.00E+00	5.50E-06	3.06E-07	6.04E-07	0.00E+00	0.00E+00	9.10E-07
608	500006.46	3732919.29	1.98E-06	3.38E-06	0.00E+00	0.00E+00	5.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-06	3.38E-06	0.00E+00	0.00E+00	5.36E-06	2.99E-07	5.88E-07	0.00E+00	0.00E+00	8.87E-07
609	499997.34	3732915.49	1.93E-06	3.28E-06	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-06	3.28E-06	0.00E+00	0.00E+00	5.20E-06	2.90E-07	5.71E-07	0.00E+00	0.00E+00	8.61E-07
610	499988.21	3732911.7	1.86E-06	3.17E-06	0.00E+00	0.00E+00	5.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-06	3.17E-06	0.00E+00	0.00E+00	5.04E-06	2.81E-07	5.53E-07	0.00E+00	0.00E+00	8.34E-07
611	499979.08	3732907.91	1.80E-06	3.06E-06	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-06	3.06E-06	0.00E+00	0.00E+00	4.86E-06	2.71E-07	5.33E-07	0.00E+00	0.00E+00	8.04E-07
612	499969.96	3732904.12	1.73E-06	2.94E-06	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-06	2.94E-06	0.00E+00	0.00E+00	4.67E-06	2.60E-07	5.12E-07	0.00E+00	0.00E+00	7.72E-07
613	499960.83	3732900.33	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.47E-06	2.49E-07	4.90E-07	0.00E+00	0.00E+00	7.39E-07
614	499951.71	3732896.54	1.57E-06	2.68E-06	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-06	2.68E-06	0.00E+00	0.00E+00	4.25E-06	2.37E-07	4.67E-07	0.00E+00	0.00E+00	7.04E-07
615	499942.58	3732892.75	1.49E-06	2.54E-06	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	2.54E-06	0.00E+00	0.00E+00	4.03E-06	2.25E-07	4.43E-07	0.00E+00	0.00E+00	6.67E-07
616	499933.45	3732888.96	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	2.12E-07	4.18E-07	0.00E+00	0.00E+00	6.30E-07
617	499924.33	3732885.17	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	2.00E-07	3.93E-07	0.00E+00	0.00E+00	5.93E-07
618	499915.2	3732881.37	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.36E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.55E-07
619	499906.07	3732877.58	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.13E-06	1.75E-07	3.44E-07	0.00E+00	0.00E+00	5.19E-07
620	499896.95	3732873.79	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.21E-07	0.00E+00	0.00E+00	4.84E-07
621	499887.82	3732870	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.50E-07
622	500240.49	3732998.31	1.69E-06	2.88E-06	0.00E+00	0.00E+00	4.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	2.88E-06	0.00E+00	0.00E+00	4.57E-06	2.54E-07	5.01E-07	0.00E+00	0.00E+00	7.56E-07
623	500247.82	3733004.82	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.47E-06	2.49E-07	4.90E-07	0.00E+00	0.00E+00	7.39E-07
624	500255.14	3733011.33	1.61E-06	2.74E-06	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	2.74E-06	0.00E+00	0.00E+00	4.36E-06	2.43E-07	4.78E-07	0.00E+00	0.00E+00	7.21E-07
625	500262.47	3733017.84	1.57E-06	2.67E-06	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-06	2.67E-06	0.00E+00	0.00E+00	4.23E-06	2.36E-07	4.65E-07	0.00E+00	0.00E+00	7.01E-07
626	500269.79	3733024.35	1.52E-06	2.59E-06	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	2.59E-06	0.00E+00	0.00E+00	4.11E-06	2.29E-07	4.51E-07	0.00E+00	0.00E+00	6.80E-07
627	500277.12	3733030.86	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.98E-06	2.22E-07	4.36E-07	0.00E+00	0.00E+00	6.58E-07
628	500284.44	3733037.36	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.84E-06	2.14E-07	4.22E-07	0.00E+00	0.00E+00	6.36E-07
629	500293.51	3733053.52	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.70E-06	2.06E-07	4.06E-07	0.00E+00	0.00E+00	6.12E-07
630	500295.25	3733063.16	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	2.05E-07	4.04E-07	0.00E+00	0.00E+00	6.09E-07
631	500297	3733072.8	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	2.04E-07	4.02E-07	0.00E+00	0.00E+00	6.07E-07
632	500298.74	3733082.44	1.35E-06	2.30E-06	0.00E+00	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	2.30E-06	0.00E+00	0.00E+00	3.65E-06	2.03E-07	4.00E-07	0.00E+00	0.00E+00	6.03E-07
633	500300.48	3733092.09	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.62E-06	2.02E-07	3.98E-07	0.00E+00	0.00E+00	6.00E-07
634	500302.23	3733101.73	1.33E-06	2.27E-06	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.27E-06	0.00E+00	0.00E+00	3.60E-06	2.00E-07	3.95E-07	0.00E+00	0.00E+00	5.95E-07
635	500303.97	3733111.37	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	1.99E-07	3.91E-07	0.00E+00	0.00E+00	5.90E-07
636	500233.16	3732991.8	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	2.59E-07	5.11E-07	0.00E+00	0.00E+00	7.70E-07
637	500224.04	3732988.01	1.78E-06	3.03E-06	0.00E+00	0.00E+00	4.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	3.03E-06	0.00E+00	0.00E+00	4.81E-06	2.68E-07	5.27E-07	0.00E+00	0.00E+00	7.95E-07
638	500187.53	3732972.85	1.96E-06	3.34E-06	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	3.34E-06	0.00E+00	0.00E+00	5.30E-06	2.95E-07	5.82E-07	0.00E+00	0.00E+00	8.77E-07
639	500178.41	3732969.05	1.99E-06	3.39E-06	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-06	3.39E-06	0.00E+00	0.00E+00	5.39E-06	3.00E-07	5.91E-07	0.00E+00	0.00E+00	8.92E-07
640	500169.28	3732965.26	2.02E-06	3.44E-06	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-06	3.44E-06	0.00E+00	0.00E+00	5.46E-06	3.04E-07	6.00E-07	0.00E+00	0.00E+00	9.04E-07
641	500160.16	3732961.47	2.04E-06	3.48E-06	0.00E+00	0.00E+00	5.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	3.48E-06	0.00E+00	0.00E+00	5.52E-06	3.08E-07	6.06E-07	0.00E+00	0.00E+00	9.14E-07
642	500151.03	3732957.68	2.06E-06	3.51E-06	0.00E+00	0.00E+00	5.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-06	3.51E-06	0.00E+00	0.00E+00	5.57E-06	3.10E-07	6.11E-07	0.00E+00	0.00E+00	9.22E-07
643	500141.9	3732953.89	2.07E-06	3.53E-06	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-06	3.53E-06	0.00E+00	0.00E+00	5.60E-06	3.12E-07	6.15E-07	0.00E+00	0.00E+00	9.26E-07
644	500087.15	3732931.14	2.04E-06	3.47E-06	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	3.47E-06	0.00E+00	0.00E+00	5.51E-06	3.07E-07	6.05E-07	0.00E+00	0.00E+00	9.12E-07
645	500078.02	3732927.35	2.02E-06	3.44E-06	0.00E+00	0.00E+00	5.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-06	3.44E-06	0.00E+00	0.00E+00	5.46E-06	3.04E-07	5.99E-07	0.00E+00	0.00E+00	9.03E-07
646	500068.89	3732923.56	2.00E-06	3.40E-06	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-06	3.40E-06	0.00E+00	0.00E+00	5.39E-06	3.00E-07	5.92E-07	0.00E+00	0.00E+00	8.92E-07

647	500059.77	3732919.77	1.97E-06	3.35E-06	0.00E+00	0.00E+00	5.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	3.35E-06	0.00E+00	0.00E+00	5.32E-06	2.96E-07	5.84E-07	0.00E+00	0.00E+00	8.80E-07
648	500050.64	3732915.98	1.94E-06	3.29E-06	0.00E+00	0.00E+00	5.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-06	3.29E-06	0.00E+00	0.00E+00	5.23E-06	2.91E-07	5.74E-07	0.00E+00	0.00E+00	8.66E-07
649	500041.51	3732912.19	1.90E-06	3.23E-06	0.00E+00	0.00E+00	5.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-06	3.23E-06	0.00E+00	0.00E+00	5.13E-06	2.86E-07	5.64E-07	0.00E+00	0.00E+00	8.50E-07
650	500032.39	3732908.4	1.86E-06	3.17E-06	0.00E+00	0.00E+00	5.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-06	3.17E-06	0.00E+00	0.00E+00	5.03E-06	2.80E-07	5.52E-07	0.00E+00	0.00E+00	8.32E-07
651	500023.26	3732904.61	1.82E-06	3.09E-06	0.00E+00	0.00E+00	4.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	3.09E-06	0.00E+00	0.00E+00	4.91E-06	2.74E-07	5.39E-07	0.00E+00	0.00E+00	8.13E-07
652	500014.14	3732900.82	1.77E-06	3.01E-06	0.00E+00	0.00E+00	4.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-06	3.01E-06	0.00E+00	0.00E+00	4.78E-06	2.67E-07	5.25E-07	0.00E+00	0.00E+00	7.92E-07
653	500005.01	3732897.02	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	2.59E-07	5.10E-07	0.00E+00	0.00E+00	7.69E-07
654	499995.88	3732893.23	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.50E-06	2.51E-07	4.94E-07	0.00E+00	0.00E+00	7.45E-07
655	499986.76	3732889.44	1.61E-06	2.74E-06	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	2.74E-06	0.00E+00	0.00E+00	4.34E-06	2.42E-07	4.77E-07	0.00E+00	0.00E+00	7.19E-07
656	499977.63	3732885.65	1.55E-06	2.63E-06	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	2.63E-06	0.00E+00	0.00E+00	4.18E-06	2.33E-07	4.59E-07	0.00E+00	0.00E+00	6.92E-07
657	499968.5	3732881.86	1.48E-06	2.52E-06	0.00E+00	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	2.52E-06	0.00E+00	0.00E+00	4.01E-06	2.23E-07	4.40E-07	0.00E+00	0.00E+00	6.63E-07
658	499959.38	3732878.07	1.42E-06	2.41E-06	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.41E-06	0.00E+00	0.00E+00	3.83E-06	2.13E-07	4.20E-07	0.00E+00	0.00E+00	6.33E-07
659	499950.25	3732874.28	1.35E-06	2.29E-06	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	2.29E-06	0.00E+00	0.00E+00	3.64E-06	2.03E-07	4.00E-07	0.00E+00	0.00E+00	6.03E-07
660	499941.13	3732870.49	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.45E-06	1.92E-07	3.79E-07	0.00E+00	0.00E+00	5.72E-07
661	499932	3732866.7	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.58E-07	0.00E+00	0.00E+00	5.40E-07
662	499922.87	3732862.9	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.08E-06	1.71E-07	3.38E-07	0.00E+00	0.00E+00	5.09E-07
663	499913.75	3732859.11	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	1.61E-07	3.18E-07	0.00E+00	0.00E+00	4.79E-07
664	499904.62	3732855.32	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.51E-07	2.98E-07	0.00E+00	0.00E+00	4.50E-07
665	499895.49	3732851.53	9.43E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.80E-07	0.00E+00	0.00E+00	4.21E-07
666	500247.67	3732979.41	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	2.35E-07	4.62E-07	0.00E+00	0.00E+00	6.96E-07
667	500254.51	3732985.48	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	2.30E-07	4.54E-07	0.00E+00	0.00E+00	6.84E-07
668	500261.35	3732991.56	1.50E-06	2.55E-06	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	2.55E-06	0.00E+00	0.00E+00	4.05E-06	2.26E-07	4.45E-07	0.00E+00	0.00E+00	6.70E-07
669	500268.18	3732997.63	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.96E-06	2.21E-07	4.35E-07	0.00E+00	0.00E+00	6.55E-07
670	500275.02	3733003.71	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	2.15E-07	4.24E-07	0.00E+00	0.00E+00	6.40E-07
671	500281.86	3733009.78	1.39E-06	2.37E-06	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-06	2.37E-06	0.00E+00	0.00E+00	3.76E-06	2.10E-07	4.13E-07	0.00E+00	0.00E+00	6.23E-07
672	500288.7	3733015.86	1.35E-06	2.30E-06	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	2.30E-06	0.00E+00	0.00E+00	3.66E-06	2.04E-07	4.01E-07	0.00E+00	0.00E+00	6.05E-07
673	500295.53	3733021.93	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	1.98E-07	3.89E-07	0.00E+00	0.00E+00	5.87E-07
674	500302.37	3733028.01	1.27E-06	2.17E-06	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.17E-06	0.00E+00	0.00E+00	3.44E-06	1.92E-07	3.77E-07	0.00E+00	0.00E+00	5.69E-07
675	500310.83	3733043.08	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	1.85E-07	3.64E-07	0.00E+00	0.00E+00	5.49E-07
676	500312.46	3733052.08	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	1.84E-07	3.62E-07	0.00E+00	0.00E+00	5.46E-07
677	500314.09	3733061.08	1.22E-06	2.07E-06	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.07E-06	0.00E+00	0.00E+00	3.29E-06	1.83E-07	3.61E-07	0.00E+00	0.00E+00	5.44E-07
678	500315.71	3733070.08	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.59E-07	0.00E+00	0.00E+00	5.41E-07
679	500317.34	3733079.08	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.25E-06	1.81E-07	3.56E-07	0.00E+00	0.00E+00	5.37E-07
680	500318.97	3733088.08	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	1.79E-07	3.54E-07	0.00E+00	0.00E+00	5.33E-07
681	500320.59	3733097.08	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	1.78E-07	3.51E-07	0.00E+00	0.00E+00	5.29E-07
682	500322.22	3733106.08	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.16E-06	1.76E-07	3.47E-07	0.00E+00	0.00E+00	5.23E-07
683	500240.84	3732973.33	1.58E-06	2.69E-06	0.00E+00	0.00E+00	4.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-06	2.69E-06	0.00E+00	0.00E+00	4.27E-06	2.38E-07	4.69E-07	0.00E+00	0.00E+00	7.07E-07
684	500231.71	3732969.54	1.63E-06	2.77E-06	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	2.77E-06	0.00E+00	0.00E+00	4.40E-06	2.45E-07	4.83E-07	0.00E+00	0.00E+00	7.28E-07
685	500222.58	3732965.75	1.67E-06	2.85E-06	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	2.85E-06	0.00E+00	0.00E+00	4.52E-06	2.52E-07	4.96E-07	0.00E+00	0.00E+00	7.47E-07
686	500140.45	3732931.63	1.88E-06	3.20E-06	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-06	3.20E-06	0.00E+00	0.00E+00	5.07E-06	2.83E-07	5.57E-07	0.00E+00	0.00E+00	8.39E-07
687	500131.32	3732927.84	1.88E-06	3.20E-06	0.00E+00	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-06	3.20E-06	0.00E+00	0.00E+00	5.07E-06	2.83E-07	5.57E-07	0.00E+00	0.00E+00	8.40E-07
688	500122.2	3732924.05	1.87E-06	3.19E-06	0.00E+00	0.00E+00	5.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-06	3.19E-06	0.00E+00	0.00E+00	5.06E-06	2.82E-07	5.56E-07	0.00E+00	0.00E+00	8.38E-07
689	500113.07	3732920.26	1.87E-06	3.18E-06	0.00E+00	0.00E+00	5.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-06	3.18E-06	0.00E+00	0.00E+00	5.05E-06	2.81E-07	5.54E-07	0.00E+00	0.00E+00	8.35E-07
690	500103.94	3732916.47	1.86E-06	3.16E-06	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-06	3.16E-06	0.00E+00	0.00E+00	5.02E-06	2.79E-07	5.50E-07	0.00E+00	0.00E+00	8.30E-07
691	500094.82	3732912.67	1.84E-06	3.13E-06	0.00E+00	0.00E+00	4.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-06	3.13E-06	0.00E+00	0.00E+00	4.97E-06	2.77E-07	5.46E-07	0.00E+00	0.00E+00	8.23E-07
692	500085.69	3732908.88	1.82E-06	3.10E-06	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	3.10E-06	0.00E+00	0.00E+00	4.93E-06	2.74E-07	5.41E-07	0.00E+00	0.00E+00	8.15E-07
693	500076.57	3732905.09	1.80E-06	3.07E-06	0.00E+00	0.00E+00	4.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-06	3.07E-06	0.00E+00	0.00E+00	4.87E-06	2.71E-07	5.34E-07	0.00E+00	0.00E+00	8.05E-07
694	500067.44	3732901.3	1.78E-06	3.02E-06	0.00E+00	0.00E+00	4.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	3.02E-06	0.00E+00	0.00E+00	4.80E-06	2.67E-07	5.27E-07	0.00E+00	0.00E+00	7.94E-07
695	500058.31	3732897.51	1.75E-06	2.97E-06	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-06	2.97E-06	0.00E+00	0.00E+00	4.72E-06	2.63E-07	5.18E-07	0.00E+00	0.00E+00	7.81E-07
696	500049.19	3732893.72	1.71E-06	2.92E-06	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.92E-06	0.00E+00	0.00E+00	4.63E-06	2.58E-07	5.08E-07	0.00E+00	0.00E+00	7.67E-07
697	500040.06	3732889.93	1.68E-06	2.86E-06	0.00E+00	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	2.86E-06	0.00E+00	0.00E+00	4.54E-06	2.53E-07	4.98E-07	0.00E+00	0.00E+00	7.51E-07
698	500030.93	3732886.14	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	2.47E-07	4.86E-07	0.00E+00	0.00E+00	7.33E-07
699	500021.81	3732882.35	1.60E-06	2.72E-06	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-06	2.72E-06	0.00E+00	0.00E+00	4.32E-06	2.41E-07	4.74E-07	0.00E+00	0.00E+00	7.15E-07
700	500012.68	3732878.55	1.55E-06	2.64E-06	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	2.64E-06	0.00E+00	0.00E+00	4.20E-06	2.34E-07	4.61E-07	0.00E+00	0.00E+00	6.94E-07
701	500003.56	3732874.76	1.51E-06	2.56E-06	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-06	2.56E-06	0.00E+00	0.00E+00	4.07E-06	2.27E-07	4.46E-07	0.00E+00	0.00E+00	6.73E-07
702	499994.43	3732870.97	1.45E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	2.19E-07	4.31E-07	0.00E+00	0.00E+00	6.50E-07
703	499985.3	3732867.18	1.40E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	2.11E-07	4.16E-07	0.00E+00	0.00E+00	6.27E-07
704	499976.18	3732863.39	1.35E-06	2.29E-06	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	2.29E-06	0.00E+00	0.00E+00	3.64E-06	2.03E-07	3.99E-07	0.00E+00	0.00E+00	6.02E-07
705	499967.05	3732859.6	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	1.94E-07	3.82E-07	0.00E+00	0.00E+00	5.76E-07
706	499957.92	3732855.81	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	1.85E-07	3.65E-07	0.00E+00	0.00E+00	5.50E-07
707	499948.8	3732852.02	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	1.76E-07	3.47E-07	0.00E+00	0.00E+00	5.24E-07
708	499939.67	3732848.23	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.01E-06	1.67E-07	3.30E-07	0.00E+00	0.00E+00	4.97E-07
709	499930.55	3732844.43	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	1.59E-07	3.12E-07	0.00E+00	0.00E+00	4.71E-07
710	499921.42	3732840.64	9.96E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	1.50E-07	2.95E-07	0.00E+00	0.00E+00	4.45E-07
711	499912.29	3732836.85	9.40E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.20E-07
712	499903.17	3732833.06	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	1.33E-07	2.63E-07	0.00E+00	0.00E+00	3.96E-07
713	500255.61	3732961.17	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.17E-07	4.27E-07	0.00E+00	0.00E+00	6.44E-07
714	500262.72	3732967.49	1.42E-06	2.41E-06	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.41E-06	0.00E+00	0.00E+00	3.83E-06	2.13E-07	4.20E-07	0.00E+00	0.00E+00	6.33E-07
715	500269.82	3732973.8	1.39E-06	2.37E-06	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-06	2.37E-06	0.00E+00	0.00E+00	3.76E-06	2.09E-07	4.12E-07	0.00E+00	0.00E+00	6.22E-07
716	500276.92	3732980.11	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	2.05E-07	4.04E-07	0.00E+00	0.00E+00	6.08E-07
717	500284.03	3732986.42	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.59E-06	2.00E-07	3.94E-07	0.00E+00	0.00E+00	5.94E-07
718	500291.13	3732992.73	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.50E-06	1.95E-07	3.84E-07	0.00E+00	0.00E+00	5.80E-07
719	500298.23	3732999.04	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	1.90E-07	3.74E-07	0.00E+00	0.00E+00	5.64E-07
720	500305.34	3733005.36	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.31E-06	1.84E-07	3.63E-07	0.00E+00	0.00E+00	5.48E-07
721	500312.44	3733011.67	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	1.79E-07	3.52E-07	0.00E+00	0.00E+00	5.31E-07
722	500319.54	3733017.98	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	1.73E-07	3.41E-07	0.00E+00	0.00E+00	5.14E-07
723	500328.34	3733033.64	1.11E-06	1.89E-06	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.89E-06	0.00E+00	0.00E+00	2.99E-06	1.67E-07	3.29E-07	0.00E+00	0.00E+00	4.95E-07
724	500330.03	3733042.99	1.10E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	1.66E-07	3.27E-07	0.00E+00	0.00E+00	4.93E-07
725	500331.72	3733052.34	1.10E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.90E-07
726	500333.41	3733061.69	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	1.64E-07	3.23E-07	0.00E+00	0.00E+00	4.87E-07
727	500335.1	3733071.04	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.20E-07	0.00E+00	0.00E+00	4.83E-07
728	500336.79	3733080.4	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	1.61E-07	3.17E-07	0.00E+00	0.00E+00	4.78E-07
729	500338.48	3733089.75	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	1.59E-07	3.14E-07	0.00E+00	0.00E+00	4.74E-07
730	500340.17	3733099.1	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.58E-07	3.11E-07	0.00E+00	0.00E+00	4.69E-07
731	500341.86	3733108.45	1.04E-06	1.76E-06	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.76E-06	0.00E+00	0.00E+00	2.80E-06	1.56E-07	3.07E-07	0.00E+00	0.00E+00	4.63E-07
732	500193.75	3732932.12	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	2.81E-06	0.00E+00	0.00E+00	4.46E-06	2.48E-07	4.89E-07	0.00E+00	0.00E+00	7.38E-07
733	500184.63	3732928.32	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.51E-06	2.51E-07	4.95E-07	0.00E+00	0.00E+00	7.46E-07
734	500175.5	3732924.53	1.68E-06	2.87E-06	0.00E+00	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	2.87E-06	0.00E+00	0.00E+00	4.55E-06	2.54E-07	5.00E-07	0.00E+00	0.00E+00	7.53E-07
735	500166.37	3732920.74	1.70E-06	2.89E-06	0.00E+00	0.00E+00	4.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-06	2.89E-06	0.00E+00	0.00E+00	4.58E-06	2.55E-07	5.03E-07	0.00E+00	0.00E+00	7.58E-07
736	500157.25	3732916.95	1.70E-06	2.90E-06	0.00E+00	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-06	2.90E-06	0.00E+00	0.00E+00	4.60E-06	2.56E-07	5.05E-07	0.00E+00	0.00E+00	7.62E-07
737	500148.12	3732913.16	1.71E-06	2.91E-06	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.91E-06	0.00E+00	0.00E+00	4.61E-06	2.57E-07	5.06E-07	0.00E+00	0.00E+00	7.64E-07
738	500139	3732909.37	1.71E-06	2.91E-06	0.00E+00	0.00E+00	4.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.91E-06	0.00E+00	0.00E+00	4.62E-06	2.57E-07	5.07E-07	0.00E+00	0.00E+00	7.64E-07
739	500129.87	3732905.58	1.71E-06	2.90E-06	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.90E-06	0.00E+00	0.00E+00	4.61E-06	2.57E-07	5.06E-07	0.00E+00	0.00E+00	7.62E-07
740	500120.74	3732901.79	1.70E-06	2.89E-06	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-06	2.89E-06	0.00E+00	0.00E+00	4.59E-06	2.56E-07	5.04E-07	0.00E+00	0.00E+00	7.59E-07
741	500111.62	3732898	1.69E-06	2.87E-06	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	2.87E-06	0.00E+00	0.00E+00	4.56E-06	2.54E-07	5.01E-07	0.00E+00	0.00E+00	7.55E-07
742	500102.49	3732894.2	1.67E-06	2.85E-06	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	2.85E-06	0.00E+00	0.00E+00	4.52E-06	2.52E-07	4.97E-07	0.00E+00	0.00E+00	7.49E-07
743	500093.36	3732890.41	1.66E-06	2.82E-06	0.00E+00	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-06	2.82E-06	0.00E+00	0.00E+00	4.48E-06	2.50E-07	4.92E-07	0.00E+00	0.00E+00	7.41E-07
744	500084.24	3732886.62	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.42E-06	2.47E-07	4.86E-07	0.00E+00	0.00E+00	7.32E-07
745	500075.11	3732882.83	1.61E-06	2.75E-06	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	2.75E-06	0.00E+00	0.00E+00	4.36E-06	2.43E-07	4.79E-07	0.00E+00	0.00E+00	7.22E-07
746	500065.99	3732879.04	1.59E-06	2.70E-06	0.00E+00	0.00E+00	4.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	2.70E-06	0.00E+00	0.00E+00	4.29E-06	2.39E-07	4.71E-07	0.00E+00	0.00E+00	7.10E-07
747	500056.86	3732875.25	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	2.35E-07	4.62E-07	0.00E+00	0.00E+00	6.97E-07
748	500047.73	3732871.46	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	2.30E-07	4.53E-07	0.00E+00	0.00E+00	6.83E-07
749	500038.61	3732867.67	1.49E-06	2.54E-06	0.00E+00	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	2.54E-06	0.00E+00	0.00E+00	4.03E-06	2.25E-07	4.43E-07	0.00E+00	0.00E+00	6.67E-07
750	500029.48	3732863.88	1.45E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	2.19E-07	4.31E-07	0.00E+00	0.00E+00	6.51E-07
751	500020.35	3732860.08	1.41E-06	2.41E-06	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	2.41E-06	0.00E+00	0.00E+00	3.82E-06	2.13E-07	4.20E-07	0.00E+00	0.00E+00	6.33E-07
752	500011.23	3732856.29	1.37E-06	2.34E-06	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	2.34E-06	0.00E+00	0.00E+00	3.71E-06	2.07E-07	4.07E-07	0.00E+00	0.00E+00	6.14E-07
753	500002.1	3732852.5	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.59E-06	2.00E-07	3.94E-07	0.00E+00	0.00E+00	5.94E-07
754	499992.98	3732848.71	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	1.93E-07	3.80E-07	0.00E+00	0.00E+00	5.73E-07
755	499983.85	3732844.92	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	1.86E-07	3.66E-07	0.00E+00	0.00E+00	5.51E-07
756	499974.72	3732841.13	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.20E-06	1.78E-07	3.51E-07	0.00E+00	0.00E+00	5.29E-07
757	499965.6	3732837.34	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	1.71E-07	3.36E-07	0.00E+00	0.00E+00	5.07E-07
758	499956.47	3732833.55	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.21E-07	0.00E+00	0.00E+00	4.84E-07
759	499947.34	3732829.76	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.61E-07
760	499938.22	3732825.96	9.81E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.48E-07	2.91E-07	0.00E+00	0.00E+00	4.38E-07
761	499929.09	3732822.17	9.31E-07	1.58E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-07	1.58E-06	0.00E+00	0.00E+00	2.52E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
762	499919.97	3732818.38	8.83E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.62E-07	0.00E+00	0.00E+00	3.95E-07
763	499910.84	3732814.59	8.36E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.48E-07	0.00E+00	0.00E+00	3.74E-07
764	500278.16	3732955.92	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.50E-06	1.95E-07	3.84E-07	0.00E+00	0.00E+00	5.79E-07
765	500285.48	3732962.43	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	1.91E-07	3.76E-07	0.00E+00	0.00E+00	5.67E-07
766	500292.81	3732968.94	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.55E-07
767	500300.13	3732975.45	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.59E-07	0.00E+00	0.00E+00	5.42E-07
768	500307.46	3732981.95	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	1.78E-07	3.50E-07	0.00E+00	0.00E+00	5.28E-07
769	500314.78	3732988.46	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	1.73E-07	3.40E-07	0.00E+00	0.00E+00	5.13E-07
770	500322.11	3732994.97	1.11E-06	1.90E-06	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.90E-06	0.00E+00	0.00E+00	3.01E-06	1.68E-07	3.30E-07	0.00E+00	0.00E+00	4.98E-07
771	500329.43	3733001.48	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.20E-07	0.00E+00	0.00E+00	4.83E-07
772	500336.76	3733007.99	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.57E-07	3.10E-07	0.00E+00	0.00E+00	4.68E-07
773	500345.83	3733024.14	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.51E-07	2.98E-07	0.00E+00	0.00E+00	4.50E-07
774	500347.57	3733033.79	1.00E-06	1.70E-06	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.70E-06	0.00E+00	0.00E+00	2.70E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.47E-07
775	500349.31	3733043.43	9.93E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	1.50E-07	2.95E-07	0.00E+00	0.00E+00	4.44E-07
776	500351.06	3733053.07	9.85E-07	1.68E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-07	1.68E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.92E-07	0.00E+00	0.00E+00	4.41E-07

777	500352.8	3733062.71	9.77E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	1.47E-07	2.90E-07	0.00E+00	0.00E+00	4.37E-07
778	500354.54	3733072.36	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.32E-07
779	500356.29	3733082	9.56E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.84E-07	0.00E+00	0.00E+00	4.28E-07
780	500358.03	3733091.64	9.45E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.80E-07	0.00E+00	0.00E+00	4.22E-07
781	500359.77	3733101.29	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	1.40E-07	2.77E-07	0.00E+00	0.00E+00	4.17E-07
782	500256.18	3732936.39	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.66E-06	2.04E-07	4.02E-07	0.00E+00	0.00E+00	6.06E-07
783	500247.06	3732932.6	1.39E-06	2.36E-06	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-06	2.36E-06	0.00E+00	0.00E+00	3.75E-06	2.09E-07	4.12E-07	0.00E+00	0.00E+00	6.21E-07
784	500237.93	3732928.81	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.84E-06	2.14E-07	4.21E-07	0.00E+00	0.00E+00	6.35E-07
785	500228.8	3732925.02	1.45E-06	2.46E-06	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.46E-06	0.00E+00	0.00E+00	3.91E-06	2.18E-07	4.29E-07	0.00E+00	0.00E+00	6.47E-07
786	500219.68	3732921.23	1.47E-06	2.51E-06	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.51E-06	0.00E+00	0.00E+00	3.98E-06	2.22E-07	4.37E-07	0.00E+00	0.00E+00	6.59E-07
787	500192.3	3732909.85	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.14E-06	2.31E-07	4.54E-07	0.00E+00	0.00E+00	6.85E-07
788	500183.17	3732906.06	1.54E-06	2.63E-06	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	2.63E-06	0.00E+00	0.00E+00	4.17E-06	2.33E-07	4.58E-07	0.00E+00	0.00E+00	6.91E-07
789	500174.05	3732902.27	1.55E-06	2.65E-06	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	2.65E-06	0.00E+00	0.00E+00	4.20E-06	2.34E-07	4.61E-07	0.00E+00	0.00E+00	6.95E-07
790	500164.92	3732898.48	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.22E-06	2.35E-07	4.63E-07	0.00E+00	0.00E+00	6.98E-07
791	500155.79	3732894.69	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.23E-06	2.36E-07	4.64E-07	0.00E+00	0.00E+00	7.00E-07
792	500146.67	3732890.9	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.23E-06	2.36E-07	4.64E-07	0.00E+00	0.00E+00	7.00E-07
793	500137.54	3732887.11	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.22E-06	2.35E-07	4.63E-07	0.00E+00	0.00E+00	6.98E-07
794	500128.42	3732883.32	1.55E-06	2.65E-06	0.00E+00	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	2.65E-06	0.00E+00	0.00E+00	4.20E-06	2.34E-07	4.61E-07	0.00E+00	0.00E+00	6.95E-07
795	500119.29	3732879.53	1.55E-06	2.63E-06	0.00E+00	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	2.63E-06	0.00E+00	0.00E+00	4.18E-06	2.33E-07	4.58E-07	0.00E+00	0.00E+00	6.91E-07
796	500110.16	3732875.73	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.14E-06	2.31E-07	4.54E-07	0.00E+00	0.00E+00	6.85E-07
797	500101.04	3732871.94	1.52E-06	2.58E-06	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	2.58E-06	0.00E+00	0.00E+00	4.10E-06	2.28E-07	4.50E-07	0.00E+00	0.00E+00	6.78E-07
798	500091.91	3732868.15	1.50E-06	2.55E-06	0.00E+00	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	2.55E-06	0.00E+00	0.00E+00	4.05E-06	2.26E-07	4.44E-07	0.00E+00	0.00E+00	6.70E-07
799	500082.78	3732864.36	1.48E-06	2.52E-06	0.00E+00	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	2.52E-06	0.00E+00	0.00E+00	3.99E-06	2.22E-07	4.38E-07	0.00E+00	0.00E+00	6.61E-07
800	500073.66	3732860.57	1.45E-06	2.47E-06	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.47E-06	0.00E+00	0.00E+00	3.93E-06	2.19E-07	4.31E-07	0.00E+00	0.00E+00	6.50E-07
801	500064.53	3732856.78	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	2.15E-07	4.23E-07	0.00E+00	0.00E+00	6.38E-07
802	500055.41	3732852.99	1.40E-06	2.38E-06	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.38E-06	0.00E+00	0.00E+00	3.78E-06	2.11E-07	4.15E-07	0.00E+00	0.00E+00	6.25E-07
803	500046.28	3732849.2	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.69E-06	2.06E-07	4.06E-07	0.00E+00	0.00E+00	6.11E-07
804	500037.15	3732845.41	1.33E-06	2.27E-06	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.27E-06	0.00E+00	0.00E+00	3.60E-06	2.01E-07	3.96E-07	0.00E+00	0.00E+00	5.96E-07
805	500028.03	3732841.61	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	1.95E-07	3.85E-07	0.00E+00	0.00E+00	5.80E-07
806	500018.9	3732837.82	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	1.90E-07	3.74E-07	0.00E+00	0.00E+00	5.64E-07
807	500009.77	3732834.03	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	1.84E-07	3.62E-07	0.00E+00	0.00E+00	5.46E-07
808	500000.65	3732830.24	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	1.78E-07	3.50E-07	0.00E+00	0.00E+00	5.28E-07
809	499991.52	3732826.45	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.07E-06	1.71E-07	3.37E-07	0.00E+00	0.00E+00	5.09E-07
810	499982.4	3732822.66	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.89E-07
811	499973.27	3732818.87	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.84E-06	1.58E-07	3.12E-07	0.00E+00	0.00E+00	4.70E-07
812	499964.14	3732815.08	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.51E-07	2.98E-07	0.00E+00	0.00E+00	4.50E-07
813	499955.02	3732811.29	9.62E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	1.45E-07	2.85E-07	0.00E+00	0.00E+00	4.30E-07
814	499945.89	3732807.5	9.18E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.72E-07	0.00E+00	0.00E+00	4.10E-07
815	499936.76	3732803.7	8.74E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	1.32E-07	2.59E-07	0.00E+00	0.00E+00	3.91E-07
816	499927.64	3732799.91	8.32E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
817	499918.51	3732796.12	7.91E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.54E-07
818	500270.83	3732924.12	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	1.88E-07	3.71E-07	0.00E+00	0.00E+00	5.59E-07
819	500277.81	3732930.32	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	1.86E-07	3.66E-07	0.00E+00	0.00E+00	5.51E-07
820	500284.78	3732936.52	1.21E-06	2.07E-06	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.07E-06	0.00E+00	0.00E+00	3.28E-06	1.83E-07	3.60E-07	0.00E+00	0.00E+00	5.43E-07
821	500312.69	3732961.32	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	1.69E-07	3.33E-07	0.00E+00	0.00E+00	5.02E-07
822	500319.67	3732967.51	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.90E-07
823	500326.64	3732973.71	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	1.61E-07	3.17E-07	0.00E+00	0.00E+00	4.78E-07
824	500333.62	3732979.91	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.65E-07
825	500340.59	3732986.11	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	1.52E-07	3.00E-07	0.00E+00	0.00E+00	4.52E-07
826	500347.57	3732992.31	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.91E-07	0.00E+00	0.00E+00	4.39E-07
827	500354.55	3732998.51	9.53E-07	1.62E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-07	1.62E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.83E-07	0.00E+00	0.00E+00	4.26E-07
828	500363.18	3733013.89	9.19E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.73E-07	0.00E+00	0.00E+00	4.11E-07
829	500364.84	3733023.08	9.13E-07	1.55E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-07	1.55E-06	0.00E+00	0.00E+00	2.47E-06	1.37E-07	2.71E-07	0.00E+00	0.00E+00	4.08E-07
830	500366.5	3733032.26	9.07E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	1.36E-07	2.69E-07	0.00E+00	0.00E+00	4.05E-07
831	500368.16	3733041.44	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
832	500369.82	3733050.63	8.91E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	1.34E-07	2.64E-07	0.00E+00	0.00E+00	3.99E-07
833	500371.48	3733059.81	8.83E-07	1.50E-06	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-07	1.50E-06	0.00E+00	0.00E+00	2.39E-06	1.33E-07	2.62E-07	0.00E+00	0.00E+00	3.95E-07
834	500373.14	3733068.99	8.74E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	1.32E-07	2.59E-07	0.00E+00	0.00E+00	3.91E-07
835	500374.81	3733078.18	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.86E-07
836	500376.47	3733087.36	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.82E-07
837	500378.13	3733096.55	8.42E-07	1.43E-06	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-07	1.43E-06	0.00E+00	0.00E+00	2.28E-06	1.27E-07	2.50E-07	0.00E+00	0.00E+00	3.77E-07
838	500379.79	3733105.73	8.31E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
839	500263.85	3732917.92	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	1.90E-07	3.75E-07	0.00E+00	0.00E+00	5.65E-07
840	500254.73	3732914.13	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.49E-06	1.94E-07	3.83E-07	0.00E+00	0.00E+00	5.78E-07
841	500245.6	3732910.34	1.32E-06	2.24E-06	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.24E-06	0.00E+00	0.00E+00	3.56E-06	1.98E-07	3.91E-07	0.00E+00	0.00E+00	5.89E-07
842	500236.48	3732906.55	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.63E-06	2.02E-07	3.98E-07	0.00E+00	0.00E+00	6.00E-07
843	500227.35	3732902.76	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.69E-06	2.05E-07	4.05E-07	0.00E+00	0.00E+00	6.10E-07
844	500190.84	3732887.59	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.85E-06	2.14E-07	4.22E-07	0.00E+00	0.00E+00	6.37E-07
845	500181.72	3732883.8	1.43E-06	2.44E-06	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.44E-06	0.00E+00	0.00E+00	3.87E-06	2.16E-07	4.25E-07	0.00E+00	0.00E+00	6.41E-07
846	500172.59	3732880.01	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.16E-07	4.26E-07	0.00E+00	0.00E+00	6.43E-07
847	500163.47	3732876.22	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.17E-07	4.27E-07	0.00E+00	0.00E+00	6.44E-07
848	500154.34	3732872.43	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.17E-07	4.27E-07	0.00E+00	0.00E+00	6.44E-07
849	500145.21	3732868.64	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.88E-06	2.16E-07	4.26E-07	0.00E+00	0.00E+00	6.42E-07
850	500136.09	3732864.85	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.87E-06	2.15E-07	4.24E-07	0.00E+00	0.00E+00	6.40E-07
851	500126.96	3732861.06	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.84E-06	2.14E-07	4.22E-07	0.00E+00	0.00E+00	6.36E-07
852	500117.84	3732857.26	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	2.12E-07	4.18E-07	0.00E+00	0.00E+00	6.30E-07
853	500108.71	3732853.47	1.40E-06	2.38E-06	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.38E-06	0.00E+00	0.00E+00	3.77E-06	2.10E-07	4.14E-07	0.00E+00	0.00E+00	6.24E-07
854	500099.58	3732849.68	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	2.08E-07	4.09E-07	0.00E+00	0.00E+00	6.17E-07
855	500090.46	3732845.89	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	2.05E-07	4.03E-07	0.00E+00	0.00E+00	6.08E-07
856	500081.33	3732842.1	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.62E-06	2.01E-07	3.97E-07	0.00E+00	0.00E+00	5.98E-07
857	500072.2	3732838.31	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	1.98E-07	3.90E-07	0.00E+00	0.00E+00	5.88E-07
858	500063.08	3732834.52	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	1.94E-07	3.82E-07	0.00E+00	0.00E+00	5.76E-07
859	500053.95	3732830.73	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	1.90E-07	3.74E-07	0.00E+00	0.00E+00	5.63E-07
860	500044.83	3732826.94	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	1.85E-07	3.65E-07	0.00E+00	0.00E+00	5.50E-07
861	500035.7	3732823.15	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.24E-06	1.80E-07	3.55E-07	0.00E+00	0.00E+00	5.36E-07
862	500026.57	3732819.35	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.15E-06	1.75E-07	3.45E-07	0.00E+00	0.00E+00	5.21E-07
863	500017.45	3732815.56	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	1.70E-07	3.35E-07	0.00E+00	0.00E+00	5.05E-07
864	500008.32	3732811.77	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	1.65E-07	3.24E-07	0.00E+00	0.00E+00	4.89E-07
865	499999.19	3732807.98	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.85E-06	1.59E-07	3.13E-07	0.00E+00	0.00E+00	4.72E-07
866	499990.07	3732804.19	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	1.53E-07	3.02E-07	0.00E+00	0.00E+00	4.55E-07
867	499980.94	3732800.4	9.79E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.47E-07	2.90E-07	0.00E+00	0.00E+00	4.38E-07
868	499971.82	3732796.61	9.40E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.20E-07
869	499962.69	3732792.82	9.01E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.36E-07	2.67E-07	0.00E+00	0.00E+00	4.03E-07
870	499953.56	3732789.03	8.62E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.86E-07
871	499944.44	3732785.23	8.24E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
872	499935.31	3732781.44	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
873	499926.18	3732777.65	7.50E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
874	500282.38	3732896.46	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	1.71E-07	3.36E-07	0.00E+00	0.00E+00	5.06E-07
875	500289.4	3732902.69	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	1.69E-07	3.32E-07	0.00E+00	0.00E+00	5.01E-07
876	500296.42	3732908.93	1.11E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	1.66E-07	3.28E-07	0.00E+00	0.00E+00	4.94E-07
877	500303.44	3732915.17	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	1.64E-07	3.23E-07	0.00E+00	0.00E+00	4.87E-07
878	500310.46	3732921.41	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	1.61E-07	3.18E-07	0.00E+00	0.00E+00	4.79E-07
879	500317.48	3732927.64	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.84E-06	1.58E-07	3.12E-07	0.00E+00	0.00E+00	4.70E-07
880	500324.5	3732933.88	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.79E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.61E-07
881	500331.52	3732940.12	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.51E-07
882	500352.58	3732958.83	9.39E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.41E-07	2.78E-07	0.00E+00	0.00E+00	4.20E-07
883	500359.6	3732965.07	9.14E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	1.38E-07	2.71E-07	0.00E+00	0.00E+00	4.09E-07
884	500366.62	3732971.31	8.89E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	1.34E-07	2.64E-07	0.00E+00	0.00E+00	3.98E-07
885	500373.64	3732977.55	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.86E-07
886	500380.66	3732983.78	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
887	500389.35	3732999.26	8.08E-07	1.38E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-07	1.38E-06	0.00E+00	0.00E+00	2.18E-06	1.22E-07	2.40E-07	0.00E+00	0.00E+00	3.61E-07
888	500391.02	3733008.5	8.02E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.59E-07
889	500392.69	3733017.75	7.96E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
890	500394.37	3733026.99	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
891	500396.04	3733036.23	7.81E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.49E-07
892	500397.71	3733045.47	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.46E-07
893	500399.38	3733054.71	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.42E-07
894	500401.05	3733063.95	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
895	500402.72	3733073.19	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.34E-07
896	500404.39	3733082.43	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
897	500406.06	3733091.67	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
898	500407.73	3733100.92	7.17E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.21E-07
899	500275.36	3732890.22	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	1.72E-07	3.39E-07	0.00E+00	0.00E+00	5.11E-07
900	500266.24	3732886.43	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.15E-06	1.76E-07	3.46E-07	0.00E+00	0.00E+00	5.21E-07
901	500257.11	3732882.64	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	1.79E-07	3.52E-07	0.00E+00	0.00E+00	5.31E-07
902	500247.98	3732878.84	1.21E-06	2.05E-06	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.05E-06	0.00E+00	0.00E+00	3.26E-06	1.82E-07	3.58E-07	0.00E+00	0.00E+00	5.40E-07
903	500238.86	3732875.05	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.31E-06	1.84E-07	3.63E-07	0.00E+00	0.00E+00	5.47E-07
904	500229.73	3732871.26	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.54E-07
905	500220.61	3732867.47	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	1.89E-07	3.71E-07	0.00E+00	0.00E+00	5.60E-07
906	500193.23	3732856.1	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.45E-06	1.92E-07	3.79E-07	0.00E+00	0.00E+00	5.71E-07

907	500184.1	3732852.31	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	1.93E-07	3.80E-07	0.00E+00	0.00E+00	5.73E-07
908	500174.97	3732848.52	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.47E-06	1.93E-07	3.81E-07	0.00E+00	0.00E+00	5.74E-07
909	500165.85	3732844.72	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	1.93E-07	3.80E-07	0.00E+00	0.00E+00	5.73E-07
910	500156.72	3732840.93	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.18E-06	0.00E+00	0.00E+00	3.46E-06	1.93E-07	3.79E-07	0.00E+00	0.00E+00	5.72E-07
911	500147.6	3732837.14	1.27E-06	2.17E-06	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.17E-06	0.00E+00	0.00E+00	3.44E-06	1.92E-07	3.78E-07	0.00E+00	0.00E+00	5.69E-07
912	500138.47	3732833.35	1.27E-06	2.15E-06	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.15E-06	0.00E+00	0.00E+00	3.42E-06	1.90E-07	3.75E-07	0.00E+00	0.00E+00	5.66E-07
913	500129.34	3732829.56	1.25E-06	2.14E-06	0.00E+00	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.14E-06	0.00E+00	0.00E+00	3.39E-06	1.89E-07	3.72E-07	0.00E+00	0.00E+00	5.61E-07
914	500120.22	3732825.77	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.36E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.55E-07
915	500111.09	3732821.98	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	1.85E-07	3.64E-07	0.00E+00	0.00E+00	5.49E-07
916	500101.97	3732818.19	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.59E-07	0.00E+00	0.00E+00	5.41E-07
917	500092.84	3732814.4	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	1.79E-07	3.54E-07	0.00E+00	0.00E+00	5.33E-07
918	500083.71	3732810.6	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	1.76E-07	3.47E-07	0.00E+00	0.00E+00	5.24E-07
919	500074.59	3732806.81	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	1.73E-07	3.41E-07	0.00E+00	0.00E+00	5.14E-07
920	500065.46	3732803.02	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	1.69E-07	3.34E-07	0.00E+00	0.00E+00	5.03E-07
921	500056.33	3732799.23	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	1.66E-07	3.26E-07	0.00E+00	0.00E+00	4.92E-07
922	500047.21	3732795.44	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	1.61E-07	3.18E-07	0.00E+00	0.00E+00	4.79E-07
923	500038.08	3732791.65	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	1.57E-07	3.10E-07	0.00E+00	0.00E+00	4.67E-07
924	500028.96	3732787.86	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	1.53E-07	3.01E-07	0.00E+00	0.00E+00	4.54E-07
925	500019.83	3732784.07	9.84E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.92E-07	0.00E+00	0.00E+00	4.40E-07
926	500010.7	3732780.28	9.52E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	1.43E-07	2.82E-07	0.00E+00	0.00E+00	4.26E-07
927	500001.58	3732776.48	9.20E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.12E-07
928	499992.45	3732772.69	8.88E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	1.34E-07	2.63E-07	0.00E+00	0.00E+00	3.97E-07
929	499983.32	3732768.9	8.55E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.54E-07	0.00E+00	0.00E+00	3.82E-07
930	499974.2	3732765.11	8.23E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
931	499965.07	3732761.32	7.90E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
932	499955.95	3732757.53	7.58E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.25E-07	0.00E+00	0.00E+00	3.39E-07
933	499946.82	3732753.74	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
934	499937.69	3732749.95	6.96E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	1.05E-07	2.06E-07	0.00E+00	0.00E+00	3.11E-07
935	500293.93	3732868.78	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.56E-07	3.06E-07	0.00E+00	0.00E+00	4.62E-07
936	500300.98	3732875.05	1.02E-06	1.74E-06	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.74E-06	0.00E+00	0.00E+00	2.76E-06	1.54E-07	3.03E-07	0.00E+00	0.00E+00	4.57E-07
937	500308.03	3732881.32	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	1.52E-07	3.00E-07	0.00E+00	0.00E+00	4.52E-07
938	500315.09	3732887.58	9.98E-07	1.70E-06	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-07	1.70E-06	0.00E+00	0.00E+00	2.70E-06	1.50E-07	2.96E-07	0.00E+00	0.00E+00	4.46E-07
939	500322.14	3732893.85	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.92E-07	0.00E+00	0.00E+00	4.40E-07
940	500329.2	3732900.12	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.33E-07
941	500336.25	3732906.39	9.51E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	1.43E-07	2.82E-07	0.00E+00	0.00E+00	4.25E-07
942	500343.3	3732912.66	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	1.40E-07	2.77E-07	0.00E+00	0.00E+00	4.17E-07
943	500350.36	3732918.92	9.14E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	1.38E-07	2.71E-07	0.00E+00	0.00E+00	4.09E-07
944	500357.41	3732925.19	8.94E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.65E-07	0.00E+00	0.00E+00	4.00E-07
945	500364.46	3732931.46	8.74E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	1.32E-07	2.59E-07	0.00E+00	0.00E+00	3.91E-07
946	500371.52	3732937.73	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.81E-07
947	500399.73	3732962.8	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.42E-07
948	500406.79	3732969.07	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.33E-07
949	500415.52	3732984.62	7.17E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.20E-07
950	500417.2	3732993.91	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
951	500418.88	3733003.19	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
952	500420.56	3733012.48	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
953	500422.24	3733021.76	6.91E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
954	500423.91	3733031.05	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
955	500425.59	3733040.34	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
956	500427.27	3733049.62	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.01E-07	1.98E-07	0.00E+00	0.00E+00	2.99E-07
957	500428.95	3733058.91	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.93E-08	1.96E-07	0.00E+00	0.00E+00	2.95E-07
958	500430.63	3733068.19	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.80E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
959	500432.31	3733077.48	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.66E-08	1.90E-07	0.00E+00	0.00E+00	2.87E-07
960	500433.99	3733086.76	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.52E-08	1.87E-07	0.00E+00	0.00E+00	2.83E-07
961	500286.87	3732862.51	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.66E-07
962	500277.75	3732858.72	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	1.60E-07	3.14E-07	0.00E+00	0.00E+00	4.74E-07
963	500268.62	3732854.93	1.08E-06	1.83E-06	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.83E-06	0.00E+00	0.00E+00	2.91E-06	1.62E-07	3.20E-07	0.00E+00	0.00E+00	4.82E-07
964	500259.49	3732851.14	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	1.65E-07	3.24E-07	0.00E+00	0.00E+00	4.89E-07
965	500250.37	3732847.35	1.11E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	1.67E-07	3.28E-07	0.00E+00	0.00E+00	4.95E-07
966	500241.24	3732843.56	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.02E-06	1.68E-07	3.32E-07	0.00E+00	0.00E+00	5.00E-07
967	500232.11	3732839.77	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	1.70E-07	3.35E-07	0.00E+00	0.00E+00	5.05E-07
968	500222.99	3732835.98	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.08E-06	1.71E-07	3.38E-07	0.00E+00	0.00E+00	5.09E-07
969	500186.48	3732820.81	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.12E-06	1.74E-07	3.42E-07	0.00E+00	0.00E+00	5.15E-07
970	500177.36	3732817.02	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	1.73E-07	3.42E-07	0.00E+00	0.00E+00	5.15E-07
971	500168.23	3732813.23	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	1.73E-07	3.41E-07	0.00E+00	0.00E+00	5.13E-07
972	500159.1	3732809.44	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	1.72E-07	3.39E-07	0.00E+00	0.00E+00	5.11E-07
973	500149.98	3732805.65	1.14E-06	1.93E-06	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.93E-06	0.00E+00	0.00E+00	3.07E-06	1.71E-07	3.37E-07	0.00E+00	0.00E+00	5.08E-07
974	500140.85	3732801.86	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	1.70E-07	3.34E-07	0.00E+00	0.00E+00	5.04E-07
975	500131.73	3732798.06	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.01E-06	1.68E-07	3.31E-07	0.00E+00	0.00E+00	4.99E-07
976	500122.6	3732794.27	1.10E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	1.66E-07	3.27E-07	0.00E+00	0.00E+00	4.93E-07
977	500113.47	3732790.48	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	1.64E-07	3.23E-07	0.00E+00	0.00E+00	4.86E-07
978	500104.35	3732786.69	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.90E-06	1.61E-07	3.18E-07	0.00E+00	0.00E+00	4.79E-07
979	500095.22	3732782.9	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	1.59E-07	3.12E-07	0.00E+00	0.00E+00	4.71E-07
980	500086.1	3732779.11	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.56E-07	3.07E-07	0.00E+00	0.00E+00	4.62E-07
981	500076.97	3732775.32	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	1.53E-07	3.01E-07	0.00E+00	0.00E+00	4.53E-07
982	500067.84	3732771.53	9.91E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	1.49E-07	2.94E-07	0.00E+00	0.00E+00	4.43E-07
983	500058.72	3732767.74	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.33E-07
984	500049.59	3732763.94	9.44E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.80E-07	0.00E+00	0.00E+00	4.22E-07
985	500040.46	3732760.15	9.19E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.73E-07	0.00E+00	0.00E+00	4.11E-07
986	500031.34	3732756.36	8.93E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	1.34E-07	2.65E-07	0.00E+00	0.00E+00	3.99E-07
987	500022.21	3732752.57	8.66E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	1.30E-07	2.57E-07	0.00E+00	0.00E+00	3.87E-07
988	500013.09	3732748.78	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
989	500003.96	3732744.99	8.12E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	1.22E-07	2.41E-07	0.00E+00	0.00E+00	3.63E-07
990	499994.83	3732741.2	7.84E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
991	499985.71	3732737.41	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
992	499976.58	3732733.62	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.16E-07	0.00E+00	0.00E+00	3.26E-07
993	499967.45	3732729.82	7.02E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.08E-07	0.00E+00	0.00E+00	3.14E-07
994	499958.33	3732726.03	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
995	499949.2	3732722.24	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.77E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
996	500305.46	3732841.1	9.47E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	1.43E-07	2.81E-07	0.00E+00	0.00E+00	4.23E-07
997	500312.54	3732847.39	9.39E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.41E-07	2.78E-07	0.00E+00	0.00E+00	4.20E-07
998	500319.62	3732853.68	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
999	500326.7	3732859.98	9.19E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.73E-07	0.00E+00	0.00E+00	4.11E-07
1000	500333.79	3732866.27	9.07E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	1.37E-07	2.69E-07	0.00E+00	0.00E+00	4.06E-07
1001	500340.87	3732872.56	8.94E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.65E-07	0.00E+00	0.00E+00	4.00E-07
1002	500347.95	3732878.85	8.80E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.61E-07	0.00E+00	0.00E+00	3.94E-07
1003	500355.03	3732885.14	8.65E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	1.30E-07	2.57E-07	0.00E+00	0.00E+00	3.87E-07
1004	500362.11	3732891.44	8.50E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.52E-07	0.00E+00	0.00E+00	3.80E-07
1005	500369.19	3732897.73	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.73E-07
1006	500376.27	3732904.02	8.16E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.65E-07
1007	500383.35	3732910.31	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
1008	500390.43	3732916.6	7.80E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.49E-07
1009	500397.52	3732922.9	7.61E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	1.15E-07	2.26E-07	0.00E+00	0.00E+00	3.40E-07
1010	500404.6	3732929.19	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
1011	500411.68	3732935.48	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
1012	500418.76	3732941.77	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.14E-07
1013	500441.69	3732969.97	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.64E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
1014	500443.37	3732979.29	6.35E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.55E-08	1.88E-07	0.00E+00	0.00E+00	2.84E-07
1015	500445.06	3732988.61	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.47E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
1016	500446.74	3732997.93	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.37E-08	1.85E-07	0.00E+00	0.00E+00	2.78E-07
1017	500448.43	3733007.26	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.27E-08	1.83E-07	0.00E+00	0.00E+00	2.75E-07
1018	500450.11	3733016.58	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.17E-08	1.81E-07	0.00E+00	0.00E+00	2.72E-07
1019	500451.8	3733025.9	6.02E-07	1.02E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-07	1.02E-06	0.00E+00	0.00E+00	1.63E-06	9.06E-08	1.79E-07	0.00E+00	0.00E+00	2.69E-07
1020	500453.48	3733035.22	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.95E-08	1.76E-07	0.00E+00	0.00E+00	2.66E-07
1021	500455.17	3733044.54	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	8.83E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
1022	500456.85	3733053.86	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	8.72E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
1023	500458.54	3733063.18	5.71E-07	9.72E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-07	9.72E-07	0.00E+00	0.00E+00	1.54E-06	8.59E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
1024	500460.22	3733072.51	5.62E-07	9.57E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-07	9.57E-07	0.00E+00	0.00E+00	1.52E-06	8.47E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
1025	500461.91	3733081.83	5.54E-07	9.43E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	9.43E-07	0.00E+00	0.00E+00	1.50E-06	8.34E-08	1.64E-07	0.00E+00	0.00E+00	2.48E-07
1026	500298.38	3732834.81	9.54E-07	1.62E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-07	1.62E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.83E-07	0.00E+00	0.00E+00	4.26E-07
1027	500289.25	3732831.02	9.69E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.33E-07
1028	500280.13	3732827.23	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.92E-07	0.00E+00	0.00E+00	4.40E-07
1029	500271	3732823.43	9.96E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	1.50E-07	2.95E-07	0.00E+00	0.00E+00	4.45E-07
1030	500261.88	3732819.64	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.50E-07
1031	500252.75	3732815.85	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	1.53E-07	3.02E-07	0.00E+00	0.00E+00	4.55E-07
1032	500243.62	3732812.06	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.77E-06	1.54E-07	3.04E-07	0.00E+00	0.00E+00	4.59E-07
1033	500234.5	3732808.27	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.62E-07
1034	500225.37	3732804.48	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.80E-06	1.56E-07	3.08E-07	0.00E+00	0.00E+00	4.64E-07
1035	500188.87	3732789.31	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.66E-07
1036	500179.74	3732785.52	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.56E-07	3.08E-07	0.00E+00	0.00E+00	4.64E-07

1037	500170.61	3732781.73	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.56E-07	3.06E-07	0.00E+00	0.00E+00	4.62E-07
1038	500161.49	3732777.94	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.77E-06	1.55E-07	3.04E-07	0.00E+00	0.00E+00	4.59E-07
1039	500152.36	3732774.15	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	1.53E-07	3.02E-07	0.00E+00	0.00E+00	4.55E-07
1040	500143.23	3732770.36	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.72E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.51E-07
1041	500134.11	3732766.57	9.97E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	1.50E-07	2.96E-07	0.00E+00	0.00E+00	4.46E-07
1042	500124.98	3732762.78	9.84E-07	1.68E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-07	1.68E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.92E-07	0.00E+00	0.00E+00	4.40E-07
1043	500115.86	3732758.99	9.70E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.88E-07	0.00E+00	0.00E+00	4.34E-07
1044	500106.73	3732755.2	9.55E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.83E-07	0.00E+00	0.00E+00	4.27E-07
1045	500097.6	3732751.4	9.38E-07	1.60E-06	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-07	1.60E-06	0.00E+00	0.00E+00	2.53E-06	1.41E-07	2.78E-07	0.00E+00	0.00E+00	4.19E-07
1046	500088.48	3732747.61	9.20E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.11E-07
1047	500079.35	3732743.82	9.01E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.36E-07	2.67E-07	0.00E+00	0.00E+00	4.03E-07
1048	500070.23	3732740.03	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.61E-07	0.00E+00	0.00E+00	3.94E-07
1049	500061.1	3732736.24	8.60E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.30E-07	2.55E-07	0.00E+00	0.00E+00	3.85E-07
1050	500051.97	3732732.45	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
1051	500042.85	3732728.66	8.16E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.65E-07
1052	500033.72	3732724.87	7.94E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.55E-07
1053	500024.59	3732721.08	7.70E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.45E-07
1054	500015.47	3732717.28	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.22E-07	0.00E+00	0.00E+00	3.34E-07
1055	500006.34	3732713.49	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.23E-07
1056	499997.22	3732709.7	7.00E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.08E-07	0.00E+00	0.00E+00	3.13E-07
1057	499988.09	3732705.91	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.02E-07
1058	499978.96	3732702.12	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.83E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
1059	499969.84	3732698.33	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.48E-08	1.87E-07	0.00E+00	0.00E+00	2.81E-07
1060	499960.71	3732694.54	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	9.13E-08	1.80E-07	0.00E+00	0.00E+00	2.71E-07
1061	500316.99	3732813.41	8.72E-07	1.48E-06	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	1.48E-06	0.00E+00	0.00E+00	2.36E-06	1.31E-07	2.59E-07	0.00E+00	0.00E+00	3.90E-07
1062	500324.1	3732819.73	8.66E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	1.30E-07	2.57E-07	0.00E+00	0.00E+00	3.87E-07
1063	500331.2	3732826.04	8.58E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
1064	500338.3	3732832.35	8.50E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.52E-07	0.00E+00	0.00E+00	3.80E-07
1065	500345.41	3732838.66	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
1066	500352.51	3732844.97	8.29E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.71E-07
1067	500359.61	3732851.29	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	1.23E-07	2.43E-07	0.00E+00	0.00E+00	3.66E-07
1068	500366.72	3732857.6	8.05E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	1.21E-07	2.39E-07	0.00E+00	0.00E+00	3.60E-07
1069	500373.82	3732863.91	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.54E-07
1070	500380.92	3732870.22	7.78E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.48E-07
1071	500388.02	3732876.53	7.63E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	1.15E-07	2.26E-07	0.00E+00	0.00E+00	3.41E-07
1072	500395.13	3732882.84	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
1073	500402.23	3732889.16	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
1074	500409.33	3732895.47	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.12E-07	0.00E+00	0.00E+00	3.20E-07
1075	500416.44	3732901.78	7.00E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.08E-07	0.00E+00	0.00E+00	3.13E-07
1076	500423.54	3732908.09	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.05E-07
1077	500430.64	3732914.4	6.66E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
1078	500437.75	3732920.71	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.77E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
1079	500444.85	3732927.03	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
1080	500451.95	3732933.34	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.25E-08	1.82E-07	0.00E+00	0.00E+00	2.75E-07
1081	500459.06	3732939.65	5.97E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	8.99E-08	1.77E-07	0.00E+00	0.00E+00	2.67E-07
1082	500469.54	3732964.66	5.70E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	8.58E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
1083	500471.23	3732974.01	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	8.49E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
1084	500472.92	3732983.36	5.58E-07	9.51E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-07	9.51E-07	0.00E+00	0.00E+00	1.51E-06	8.41E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
1085	500474.61	3732992.72	5.52E-07	9.40E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	9.40E-07	0.00E+00	0.00E+00	1.49E-06	8.32E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
1086	500476.3	3733002.07	5.46E-07	9.30E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	9.30E-07	0.00E+00	0.00E+00	1.48E-06	8.22E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
1087	500477.99	3733011.42	5.40E-07	9.19E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	9.19E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
1088	500479.68	3733020.77	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
1089	500481.37	3733030.12	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.92E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
1090	500483.06	3733039.47	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	7.81E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
1091	500484.75	3733048.82	5.12E-07	8.71E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.71E-07	0.00E+00	0.00E+00	1.38E-06	7.70E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
1092	500486.44	3733058.17	5.04E-07	8.58E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	8.58E-07	0.00E+00	0.00E+00	1.36E-06	7.59E-08	1.50E-07	0.00E+00	0.00E+00	2.25E-07
1093	500488.13	3733067.52	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	7.48E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
1094	500489.82	3733076.87	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	7.36E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
1095	500309.89	3732807.1	8.77E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	1.32E-07	2.60E-07	0.00E+00	0.00E+00	3.92E-07
1096	500300.76	3732803.31	8.90E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	1.34E-07	2.64E-07	0.00E+00	0.00E+00	3.98E-07
1097	500291.64	3732799.52	9.02E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.68E-07	0.00E+00	0.00E+00	4.03E-07
1098	500282.51	3732795.73	9.13E-07	1.55E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-07	1.55E-06	0.00E+00	0.00E+00	2.47E-06	1.37E-07	2.71E-07	0.00E+00	0.00E+00	4.08E-07
1099	500273.38	3732791.94	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.12E-07
1100	500264.26	3732788.15	9.30E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
1101	500255.13	3732784.36	9.37E-07	1.59E-06	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-07	1.59E-06	0.00E+00	0.00E+00	2.53E-06	1.41E-07	2.78E-07	0.00E+00	0.00E+00	4.19E-07
1102	500246.01	3732780.57	9.42E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.21E-07
1103	500236.88	3732776.77	9.46E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	1.42E-07	2.81E-07	0.00E+00	0.00E+00	4.23E-07
1104	500227.75	3732772.98	9.48E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	1.43E-07	2.81E-07	0.00E+00	0.00E+00	4.24E-07
1105	500191.25	3732757.82	9.44E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.80E-07	0.00E+00	0.00E+00	4.22E-07
1106	500182.12	3732754.03	9.40E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.41E-07	2.79E-07	0.00E+00	0.00E+00	4.20E-07
1107	500173	3732750.24	9.34E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	1.41E-07	2.77E-07	0.00E+00	0.00E+00	4.18E-07
1108	500163.87	3732746.45	9.26E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.75E-07	0.00E+00	0.00E+00	4.14E-07
1109	500154.74	3732742.65	9.18E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.72E-07	0.00E+00	0.00E+00	4.10E-07
1110	500145.62	3732738.86	9.08E-07	1.55E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-07	1.55E-06	0.00E+00	0.00E+00	2.45E-06	1.37E-07	2.69E-07	0.00E+00	0.00E+00	4.06E-07
1111	500136.49	3732735.07	8.96E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.66E-07	0.00E+00	0.00E+00	4.01E-07
1112	500127.36	3732731.28	8.84E-07	1.50E-06	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-07	1.50E-06	0.00E+00	0.00E+00	2.39E-06	1.33E-07	2.62E-07	0.00E+00	0.00E+00	3.95E-07
1113	500118.24	3732727.49	8.70E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.89E-07
1114	500109.11	3732723.7	8.56E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.54E-07	0.00E+00	0.00E+00	3.83E-07
1115	500099.99	3732719.91	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.27E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
1116	500090.86	3732716.12	8.24E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
1117	500081.73	3732712.33	8.07E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	1.21E-07	2.39E-07	0.00E+00	0.00E+00	3.61E-07
1118	500072.61	3732708.54	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
1119	500063.48	3732704.74	7.70E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
1120	500054.36	3732700.95	7.51E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.23E-07	0.00E+00	0.00E+00	3.36E-07
1121	500045.23	3732697.16	7.31E-07	1.24E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-07	1.24E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
1122	500036.1	3732693.37	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
1123	500026.98	3732689.58	6.91E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
1124	500017.85	3732685.79	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
1125	500008.72	3732682	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.79E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
1126	499999.6	3732678.21	6.30E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.48E-08	1.87E-07	0.00E+00	0.00E+00	2.81E-07
1127	499990.47	3732674.42	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.17E-08	1.81E-07	0.00E+00	0.00E+00	2.72E-07
1128	499981.35	3732670.62	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.87E-08	1.75E-07	0.00E+00	0.00E+00	2.63E-07
1129	499972.22	3732666.83	5.69E-07	9.69E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	9.69E-07	0.00E+00	0.00E+00	1.54E-06	8.57E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
1130	500328.52	3732785.73	8.06E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	1.21E-07	2.39E-07	0.00E+00	0.00E+00	3.61E-07
1131	500335.64	3732792.05	8.01E-07	1.36E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	1.36E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.58E-07
1132	500342.76	3732798.38	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
1133	500349.88	3732804.71	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.52E-07
1134	500357.01	3732811.04	7.80E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.49E-07
1135	500364.13	3732817.37	7.71E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.45E-07
1136	500371.25	3732823.7	7.62E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	1.15E-07	2.26E-07	0.00E+00	0.00E+00	3.41E-07
1137	500378.37	3732830.02	7.51E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.23E-07	0.00E+00	0.00E+00	3.36E-07
1138	500385.49	3732836.35	7.40E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.20E-07	0.00E+00	0.00E+00	3.31E-07
1139	500392.62	3732842.68	7.28E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.16E-07	0.00E+00	0.00E+00	3.26E-07
1140	500399.74	3732849.01	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	1.08E-07	2.12E-07	0.00E+00	0.00E+00	3.20E-07
1141	500406.86	3732855.34	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.08E-07	0.00E+00	0.00E+00	3.14E-07
1142	500413.98	3732861.66	6.89E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.04E-07	0.00E+00	0.00E+00	3.08E-07
1143	500421.1	3732867.99	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
1144	500428.22	3732874.32	6.61E-07	1.12E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-07	1.12E-06	0.00E+00	0.00E+00	1.79E-06	9.95E-08	1.96E-07	0.00E+00	0.00E+00	2.95E-07
1145	500435.35	3732880.65	6.46E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.73E-08	1.92E-07	0.00E+00	0.00E+00	2.89E-07
1146	500442.47	3732886.98	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	9.50E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
1147	500449.59	3732893.31	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.27E-08	1.83E-07	0.00E+00	0.00E+00	2.75E-07
1148	500456.71	3732899.63	6.01E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.04E-08	1.78E-07	0.00E+00	0.00E+00	2.69E-07
1149	500463.83	3732905.96	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	8.81E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
1150	500470.95	3732912.29	5.70E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	8.58E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
1151	500478.08	3732918.62	5.54E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	8.35E-08	1.64E-07	0.00E+00	0.00E+00	2.48E-07
1152	500485.2	3732924.95	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
1153	500494.01	3732940.65	5.20E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	7.82E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
1154	500497.4	3732959.4	5.10E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	7.67E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
1155	500499.1	3732968.77	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.59E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
1156	500500.79	3732978.15	4.99E-07	8.49E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.49E-07	0.00E+00	0.00E+00	1.35E-06	7.51E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1157	500502.49	3732987.53	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	7.42E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
1158	500504.18	3732996.9	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
1159	500505.88	3733006.28	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	7.24E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
1160	500507.57	3733015.65	4.75E-07	8.08E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-07	8.08E-07	0.00E+00	0.00E+00	1.28E-06	7.15E-08	1.41E-07	0.00E+00	0.00E+00	2.12E-07
1161	500509.27	3733025.03	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	7.05E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
1162	500510.96	3733034.4	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	6.95E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
1163	500512.66	3733043.78	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	6.85E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
1164	500514.35	3733053.15	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	6.75E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
1165	500516.05	3733062.53	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	6.65E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
1166	500321.4	3732779.4	8.10E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	1.22E-07	2.40E-07	0.00E+00	0.00E+00	3.62E-07

1167	500312.27	3732775.61	8.21E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.67E-07
1168	500303.15	3732771.82	8.31E-07	1.41E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-07	1.41E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.72E-07
1169	500294.02	3732768.03	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
1170	500284.89	3732764.23	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	1.28E-07	2.51E-07	0.00E+00	0.00E+00	3.79E-07
1171	500275.77	3732760.44	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.53E-07	0.00E+00	0.00E+00	3.82E-07
1172	500266.64	3732756.65	8.59E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
1173	500257.51	3732752.86	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.86E-07
1174	500248.39	3732749.07	8.67E-07	1.48E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-07	1.48E-06	0.00E+00	0.00E+00	2.34E-06	1.31E-07	2.57E-07	0.00E+00	0.00E+00	3.88E-07
1175	500239.26	3732745.28	8.69E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.88E-07
1176	500230.14	3732741.49	8.69E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.89E-07
1177	500193.63	3732726.32	8.59E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
1178	500184.5	3732722.53	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.53E-07	0.00E+00	0.00E+00	3.82E-07
1179	500175.38	3732718.74	8.47E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	1.28E-07	2.51E-07	0.00E+00	0.00E+00	3.79E-07
1180	500166.25	3732714.95	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
1181	500157.13	3732711.16	8.31E-07	1.41E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-07	1.41E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.72E-07
1182	500148	3732707.37	8.21E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.43E-07	0.00E+00	0.00E+00	3.67E-07
1183	500138.87	3732703.58	8.10E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	1.22E-07	2.40E-07	0.00E+00	0.00E+00	3.62E-07
1184	500129.75	3732699.79	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
1185	500120.62	3732695.99	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
1186	500111.5	3732692.2	7.72E-07	1.31E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-07	1.31E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.45E-07
1187	500102.37	3732688.41	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.25E-07	0.00E+00	0.00E+00	3.39E-07
1188	500093.24	3732684.62	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
1189	500084.12	3732680.83	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
1190	500074.99	3732677.04	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
1191	500065.86	3732673.25	6.94E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.06E-07	0.00E+00	0.00E+00	3.10E-07
1192	500056.74	3732669.46	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
1193	500047.61	3732665.67	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.93E-08	1.96E-07	0.00E+00	0.00E+00	2.95E-07
1194	500038.49	3732661.88	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.66E-08	1.90E-07	0.00E+00	0.00E+00	2.87E-07
1195	500029.36	3732658.08	6.24E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.40E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
1196	500020.23	3732654.29	6.06E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	9.13E-08	1.80E-07	0.00E+00	0.00E+00	2.71E-07
1197	500011.11	3732650.5	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.86E-08	1.74E-07	0.00E+00	0.00E+00	2.63E-07
1198	500001.98	3732646.71	5.71E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	8.59E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
1199	499992.85	3732642.92	5.53E-07	9.41E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-07	9.41E-07	0.00E+00	0.00E+00	1.49E-06	8.32E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
1200	499983.73	3732639.13	5.35E-07	9.11E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-07	9.11E-07	0.00E+00	0.00E+00	1.45E-06	8.06E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
1201	500340.04	3732758.04	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
1202	500347.18	3732764.38	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.33E-07
1203	500354.32	3732770.72	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.31E-07
1204	500361.46	3732777.06	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.18E-07	0.00E+00	0.00E+00	3.28E-07
1205	500368.59	3732783.4	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
1206	500375.73	3732789.75	7.20E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.22E-07
1207	500382.87	3732796.09	7.12E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
1208	500390.01	3732802.43	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.08E-07	0.00E+00	0.00E+00	3.14E-07
1209	500397.14	3732808.77	6.93E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.06E-07	0.00E+00	0.00E+00	3.10E-07
1210	500404.28	3732815.11	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
1211	500411.42	3732821.46	6.73E-07	1.14E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-07	1.14E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.01E-07
1212	500418.56	3732827.8	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.96E-08	1.96E-07	0.00E+00	0.00E+00	2.96E-07
1213	500425.69	3732834.14	6.49E-07	1.11E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-07	1.11E-06	0.00E+00	0.00E+00	1.75E-06	9.78E-08	1.93E-07	0.00E+00	0.00E+00	2.90E-07
1214	500432.83	3732840.48	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.59E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
1215	500439.97	3732846.82	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.40E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
1216	500447.1	3732853.17	6.12E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.21E-08	1.81E-07	0.00E+00	0.00E+00	2.74E-07
1217	500454.24	3732859.51	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.01E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
1218	500461.38	3732865.85	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	8.81E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
1219	500468.52	3732872.19	5.72E-07	9.73E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-07	9.73E-07	0.00E+00	0.00E+00	1.55E-06	8.61E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
1220	500475.65	3732878.54	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	8.40E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
1221	500482.79	3732884.88	5.44E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
1222	500489.93	3732891.22	5.31E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	7.99E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
1223	500497.07	3732897.56	5.17E-07	8.80E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-07	8.80E-07	0.00E+00	0.00E+00	1.40E-06	7.78E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
1224	500504.2	3732903.9	5.03E-07	8.57E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-07	8.57E-07	0.00E+00	0.00E+00	1.36E-06	7.58E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
1225	500511.34	3732910.25	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	7.37E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
1226	500520.18	3732925.98	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.28E-06	7.11E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
1227	500521.88	3732935.38	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
1228	500523.57	3732944.77	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1229	500526.97	3732963.57	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	6.82E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1230	500528.67	3732972.96	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
1231	500530.37	3732982.36	4.42E-07	7.53E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	7.53E-07	0.00E+00	0.00E+00	1.19E-06	6.66E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
1232	500532.07	3732991.75	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
1233	500533.76	3733001.15	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1234	500535.46	3733010.54	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.40E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
1235	500537.16	3733019.94	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
1236	500538.86	3733029.34	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
1237	500540.56	3733038.73	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
1238	500542.26	3733048.13	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	6.04E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
1239	500543.96	3733057.52	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
1240	500549.05	3733085.71	3.76E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
1241	500555.84	3733123.29	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	5.30E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
1242	500332.91	3732751.69	7.52E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.23E-07	0.00E+00	0.00E+00	3.36E-07
1243	500323.78	3732747.9	7.60E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.26E-07	0.00E+00	0.00E+00	3.40E-07
1244	500314.65	3732744.11	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
1245	500305.53	3732740.32	7.76E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	1.17E-07	2.30E-07	0.00E+00	0.00E+00	3.47E-07
1246	500296.4	3732736.53	7.82E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.50E-07
1247	500287.28	3732732.74	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.52E-07
1248	500278.15	3732728.95	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.54E-07
1249	500269.02	3732725.16	7.96E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
1250	500259.9	3732721.37	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
1251	500250.77	3732717.57	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
1252	500241.64	3732713.78	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
1253	500232.52	3732709.99	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
1254	500223.39	3732706.2	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
1255	500186.89	3732691.04	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.48E-07
1256	500177.76	3732687.25	7.72E-07	1.31E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-07	1.31E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.45E-07
1257	500168.63	3732683.45	7.64E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.42E-07
1258	500159.51	3732679.66	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
1259	500150.38	3732675.87	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.34E-07
1260	500141.26	3732672.08	7.35E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
1261	500132.13	3732668.29	7.24E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.24E-07
1262	500123	3732664.5	7.12E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.19E-07
1263	500113.88	3732660.71	7.00E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.08E-07	0.00E+00	0.00E+00	3.13E-07
1264	500104.75	3732656.92	6.87E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.03E-07	2.04E-07	0.00E+00	0.00E+00	3.07E-07
1265	500095.63	3732653.13	6.73E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	2.00E-07	0.00E+00	0.00E+00	3.01E-07
1266	500086.5	3732649.33	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
1267	500077.37	3732645.54	6.44E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	9.70E-08	1.91E-07	0.00E+00	0.00E+00	2.88E-07
1268	500068.25	3732641.75	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.47E-08	1.87E-07	0.00E+00	0.00E+00	2.81E-07
1269	500059.12	3732637.96	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.24E-08	1.82E-07	0.00E+00	0.00E+00	2.75E-07
1270	500049.99	3732634.17	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.01E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
1271	500040.87	3732630.38	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.58E-06	8.78E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
1272	500031.74	3732626.59	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	8.54E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
1273	500022.62	3732622.8	5.52E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	8.30E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
1274	500013.49	3732619.01	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	8.07E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
1275	500004.36	3732615.21	5.20E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
1276	499995.24	3732611.42	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
1277	500351.57	3732730.34	6.97E-07	1.19E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-07	1.19E-06	0.00E+00	0.00E+00	1.88E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
1278	500358.72	3732736.7	6.94E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.06E-07	0.00E+00	0.00E+00	3.10E-07
1279	500365.87	3732743.05	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.08E-07
1280	500373.02	3732749.41	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
1281	500380.17	3732755.76	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
1282	500387.32	3732762.11	6.73E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	2.00E-07	0.00E+00	0.00E+00	3.01E-07
1283	500394.47	3732768.47	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
1284	500401.62	3732774.82	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.95E-07
1285	500408.77	3732781.18	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.80E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
1286	500415.92	3732787.53	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.67E-08	1.90E-07	0.00E+00	0.00E+00	2.87E-07
1287	500423.07	3732793.88	6.33E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.53E-08	1.88E-07	0.00E+00	0.00E+00	2.83E-07
1288	500430.23	3732800.24	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.38E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
1289	500437.38	3732806.59	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.23E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
1290	500444.53	3732812.95	6.02E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.07E-08	1.79E-07	0.00E+00	0.00E+00	2.69E-07
1291	500451.68	3732819.3	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.91E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
1292	500458.83	3732825.65	5.80E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	8.74E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
1293	500465.98	3732832.01	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	8.56E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
1294	500473.13	3732838.36	5.57E-07	9.48E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	9.48E-07	0.00E+00	0.00E+00	1.50E-06	8.38E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
1295	500480.28	3732844.72	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
1296	500487.43	3732851.07	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07

1297	500494.58	3732857.42	5.21E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	7.84E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
1298	500501.73	3732863.78	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	7.65E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
1299	500508.88	3732870.13	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	7.47E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
1300	500516.03	3732876.48	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	7.28E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
1301	500523.19	3732882.84	4.71E-07	8.02E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-07	8.02E-07	0.00E+00	0.00E+00	1.27E-06	7.10E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
1302	500530.34	3732889.19	4.59E-07	7.81E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-07	7.81E-07	0.00E+00	0.00E+00	1.24E-06	6.91E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
1303	500537.49	3732895.55	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	6.73E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
1304	500546.34	3732911.31	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1305	500548.04	3732920.73	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
1306	500549.74	3732930.14	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	6.36E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
1307	500556.55	3732967.79	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
1308	500558.25	3732977.21	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
1309	500559.95	3732986.62	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
1310	500561.65	3732996.03	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	5.84E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
1311	500563.36	3733005.45	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
1312	500565.06	3733014.86	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	5.68E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
1313	500566.76	3733024.27	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
1314	500568.46	3733033.69	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.89E-07	5.51E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
1315	500570.16	3733043.1	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.74E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
1316	500571.86	3733052.52	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.59E-07	5.35E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
1317	500573.57	3733061.93	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
1318	500575.27	3733071.34	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
1319	500576.97	3733080.76	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
1320	500578.67	3733090.17	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.01E-08	9.87E-08	0.00E+00	0.00E+00	1.49E-07
1321	500580.37	3733099.58	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
1322	500583.78	3733118.41	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.56E-07	4.77E-08	9.39E-08	0.00E+00	0.00E+00	1.42E-07
1323	500585.48	3733127.82	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	4.69E-08	9.24E-08	0.00E+00	0.00E+00	1.39E-07
1324	500590.58	3733156.06	2.96E-07	5.05E-07	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.05E-07	0.00E+00	0.00E+00	8.01E-07	4.46E-08	8.79E-08	0.00E+00	0.00E+00	1.33E-07
1325	500344.42	3732723.99	6.99E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.13E-07
1326	500335.29	3732720.2	7.07E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	1.06E-07	2.10E-07	0.00E+00	0.00E+00	3.16E-07
1327	500326.16	3732716.41	7.14E-07	1.21E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-07	1.21E-06	0.00E+00	0.00E+00	1.93E-06	1.07E-07	2.12E-07	0.00E+00	0.00E+00	3.19E-07
1328	500317.04	3732712.62	7.20E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.22E-07
1329	500307.91	3732708.82	7.25E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.24E-07
1330	500298.78	3732705.03	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.16E-07	0.00E+00	0.00E+00	3.26E-07
1331	500289.66	3732701.24	7.33E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.28E-07
1332	500280.53	3732697.45	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
1333	500271.41	3732693.66	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
1334	500262.28	3732689.87	7.38E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
1335	500253.15	3732686.08	7.38E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
1336	500244.03	3732682.29	7.37E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
1337	500234.9	3732678.5	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
1338	500225.77	3732674.71	7.33E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.28E-07
1339	500189.27	3732659.54	7.13E-07	1.21E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-07	1.21E-06	0.00E+00	0.00E+00	1.93E-06	1.07E-07	2.12E-07	0.00E+00	0.00E+00	3.19E-07
1340	500180.14	3732655.75	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.16E-07
1341	500171.02	3732651.96	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
1342	500161.89	3732648.17	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.08E-07
1343	500152.76	3732644.38	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
1344	500143.64	3732640.59	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
1345	500134.51	3732636.79	6.60E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.94E-08	1.96E-07	0.00E+00	0.00E+00	2.95E-07
1346	500125.39	3732633	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.77E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
1347	500116.26	3732629.21	6.37E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	9.60E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
1348	500107.13	3732625.42	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.42E-08	1.85E-07	0.00E+00	0.00E+00	2.80E-07
1349	500098.01	3732621.63	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.23E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
1350	500088.88	3732617.84	6.00E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.03E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
1351	500079.76	3732614.05	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	8.84E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
1352	500070.63	3732610.26	5.74E-07	9.76E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	9.76E-07	0.00E+00	0.00E+00	1.55E-06	8.64E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
1353	500061.5	3732606.47	5.60E-07	9.53E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-07	9.53E-07	0.00E+00	0.00E+00	1.51E-06	8.43E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
1354	500052.38	3732602.67	5.46E-07	9.30E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	9.30E-07	0.00E+00	0.00E+00	1.48E-06	8.22E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
1355	500043.25	3732598.88	5.32E-07	9.06E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-07	9.06E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
1356	500034.12	3732595.09	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	7.81E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
1357	500025	3732591.3	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
1358	500015.87	3732587.51	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.39E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
1359	500006.75	3732583.72	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.42E-07	0.00E+00	0.00E+00	2.13E-07
1360	500363.09	3732702.65	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.79E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
1361	500370.25	3732709.01	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.76E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
1362	500377.41	3732715.38	6.45E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	9.71E-08	1.91E-07	0.00E+00	0.00E+00	2.88E-07
1363	500384.57	3732721.74	6.41E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.65E-08	1.90E-07	0.00E+00	0.00E+00	2.87E-07
1364	500391.74	3732728.11	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.58E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
1365	500398.9	3732734.47	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
1366	500406.06	3732740.83	6.26E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.42E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
1367	500413.22	3732747.2	6.19E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.32E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
1368	500420.39	3732753.56	6.12E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.22E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
1369	500427.55	3732759.93	6.05E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.11E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
1370	500434.71	3732766.29	5.97E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	8.99E-08	1.77E-07	0.00E+00	0.00E+00	2.67E-07
1371	500441.87	3732772.66	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.86E-08	1.74E-07	0.00E+00	0.00E+00	2.63E-07
1372	500449.04	3732779.02	5.80E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	8.73E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
1373	500456.2	3732785.39	5.70E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	8.59E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
1374	500463.36	3732791.75	5.61E-07	9.55E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	9.55E-07	0.00E+00	0.00E+00	1.52E-06	8.44E-08	1.66E-07	0.00E+00	0.00E+00	2.51E-07
1375	500470.52	3732798.11	5.51E-07	9.38E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-07	9.38E-07	0.00E+00	0.00E+00	1.49E-06	8.30E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
1376	500477.69	3732804.48	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	8.14E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
1377	500484.85	3732810.84	5.30E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	7.99E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
1378	500492.01	3732817.21	5.20E-07	8.85E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.85E-07	0.00E+00	0.00E+00	1.40E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
1379	500499.17	3732823.57	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.38E-06	7.66E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
1380	500506.34	3732829.94	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	7.50E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1381	500513.5	3732836.3	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
1382	500520.66	3732842.66	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	7.16E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
1383	500527.82	3732849.03	4.65E-07	7.91E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	7.91E-07	0.00E+00	0.00E+00	1.26E-06	7.00E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
1384	500534.98	3732855.39	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	6.83E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
1385	500542.15	3732861.76	4.42E-07	7.53E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	7.53E-07	0.00E+00	0.00E+00	1.20E-06	6.66E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
1386	500549.31	3732868.12	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1387	500556.47	3732874.49	4.20E-07	7.15E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.15E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
1388	500563.63	3732880.85	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.16E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
1389	500572.5	3732896.64	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
1390	500574.21	3732906.07	3.91E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	5.88E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
1391	500575.91	3732915.5	3.87E-07	6.58E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	6.58E-07	0.00E+00	0.00E+00	1.05E-06	5.82E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
1392	500577.61	3732924.93	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
1393	500579.32	3732934.36	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
1394	500584.43	3732962.64	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.85E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
1395	500586.14	3732972.07	3.60E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
1396	500587.84	3732981.5	3.55E-07	6.05E-07	0.00E+00	0.00E+00	9.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.05E-07	0.00E+00	0.00E+00	9.60E-07	5.35E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
1397	500589.55	3732990.93	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
1398	500591.25	3733000.36	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
1399	500592.95	3733009.79	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
1400	500594.66	3733019.22	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.95E-08	0.00E+00	0.00E+00	1.50E-07
1401	500596.36	3733028.64	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
1402	500598.07	3733038.07	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.66E-08	0.00E+00	0.00E+00	1.46E-07
1403	500599.77	3733047.5	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	4.83E-08	9.51E-08	0.00E+00	0.00E+00	1.43E-07
1404	500601.48	3733056.93	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.37E-08	0.00E+00	0.00E+00	1.41E-07
1405	500603.18	3733066.36	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	4.68E-08	9.22E-08	0.00E+00	0.00E+00	1.39E-07
1406	500604.88	3733075.79	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	4.61E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
1407	500606.59	3733085.22	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	4.53E-08	8.93E-08	0.00E+00	0.00E+00	1.35E-07
1408	500608.29	3733094.65	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	4.46E-08	8.79E-08	0.00E+00	0.00E+00	1.32E-07
1409	500610	3733104.07	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
1410	500611.7	3733113.5	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
1411	500613.41	3733122.93	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
1412	500615.11	3733132.36	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
1413	500616.82	3733141.79	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
1414	500618.52	3733151.22	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	4.05E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
1415	500355.92	3732696.28	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.82E-08	1.93E-07	0.00E+00	0.00E+00	2.92E-07
1416	500346.8	3732692.49	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.95E-07
1417	500337.67	3732688.7	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.97E-07	0.00E+00	0.00E+00	2.97E-07
1418	500328.55	3732684.91	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	2.99E-07
1419	500319.42	3732681.12	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	2.00E-07	0.00E+00	0.00E+00	3.01E-07
1420	500310.29	3732677.33	6.78E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
1421	500301.17	3732673.54	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
1422	500292.04	3732669.75	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.05E-07
1423	500282.91	3732665.96	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
1424	500273.79	3732662.16	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
1425	500264.66	3732658.37	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
1426	500255.54	3732654.58	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07

1427	500246.41	3732650.79	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
1428	500237.28	3732647	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.04E-07
1429	500228.16	3732643.21	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
1430	500191.65	3732628.05	6.55E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	9.86E-08	1.94E-07	0.00E+00	0.00E+00	2.93E-07
1431	500182.53	3732624.25	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.75E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
1432	500173.4	3732620.46	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.64E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
1433	500045.63	3732567.39	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	7.36E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
1434	500036.51	3732563.6	4.76E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	7.17E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
1435	500027.38	3732559.81	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	6.99E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
1436	500018.25	3732556.01	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	6.80E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1437	500374.61	3732674.95	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.17E-08	1.81E-07	0.00E+00	0.00E+00	2.72E-07
1438	500381.78	3732681.33	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	9.14E-08	1.80E-07	0.00E+00	0.00E+00	2.71E-07
1439	500388.95	3732687.7	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.10E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
1440	500396.12	3732694.07	6.01E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.05E-08	1.78E-07	0.00E+00	0.00E+00	2.69E-07
1441	500403.3	3732700.45	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	9.00E-08	1.77E-07	0.00E+00	0.00E+00	2.67E-07
1442	500410.47	3732706.82	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.93E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
1443	500417.64	3732713.19	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.86E-08	1.74E-07	0.00E+00	0.00E+00	2.63E-07
1444	500424.81	3732719.57	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.58E-06	8.78E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
1445	500431.99	3732725.94	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
1446	500439.16	3732732.31	5.70E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	8.59E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
1447	500446.33	3732738.69	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	8.49E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
1448	500453.5	3732745.06	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	8.38E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
1449	500460.68	3732751.43	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	8.26E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
1450	500467.85	3732757.81	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	8.14E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
1451	500475.02	3732764.18	5.32E-07	9.06E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-07	9.06E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
1452	500482.19	3732770.55	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	7.89E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
1453	500489.37	3732776.93	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
1454	500496.54	3732783.3	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	7.61E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
1455	500503.71	3732789.67	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	7.47E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
1456	500510.88	3732796.05	4.86E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	7.32E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
1457	500518.06	3732802.42	4.77E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
1458	500525.23	3732808.79	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.38E-07	0.00E+00	0.00E+00	2.09E-07
1459	500532.4	3732815.17	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.23E-06	6.88E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
1460	500539.58	3732821.54	4.47E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	6.73E-08	1.32E-07	0.00E+00	0.00E+00	2.00E-07
1461	500546.75	3732827.91	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
1462	500553.92	3732834.29	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.26E-07	0.00E+00	0.00E+00	1.91E-07
1463	500561.09	3732840.66	4.16E-07	7.09E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.09E-07	0.00E+00	0.00E+00	1.13E-06	6.27E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
1464	500568.27	3732847.03	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.20E-07	0.00E+00	0.00E+00	1.82E-07
1465	500575.44	3732853.41	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	5.96E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
1466	500582.61	3732859.78	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
1467	500589.78	3732866.15	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	5.66E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
1468	500598.66	3732881.97	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
1469	500600.37	3732891.41	3.59E-07	6.12E-07	0.00E+00	0.00E+00	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.12E-07	0.00E+00	0.00E+00	9.71E-07	5.41E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
1470	500602.08	3732900.85	3.56E-07	6.05E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.05E-07	0.00E+00	0.00E+00	9.61E-07	5.35E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
1471	500603.78	3732910.3	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	5.30E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
1472	500605.49	3732919.74	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
1473	500607.2	3732929.18	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
1474	500614.02	3732966.95	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
1475	500615.73	3732976.39	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	4.86E-08	9.57E-08	0.00E+00	0.00E+00	1.44E-07
1476	500617.44	3732985.83	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
1477	500619.14	3732995.27	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.48E-07	4.72E-08	9.30E-08	0.00E+00	0.00E+00	1.40E-07
1478	500620.85	3733004.72	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.36E-07	4.66E-08	9.17E-08	0.00E+00	0.00E+00	1.38E-07
1479	500622.56	3733014.16	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.04E-08	0.00E+00	0.00E+00	1.36E-07
1480	500624.27	3733023.6	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.91E-08	0.00E+00	0.00E+00	1.34E-07
1481	500625.97	3733033.04	2.96E-07	5.04E-07	0.00E+00	0.00E+00	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	7.99E-07	4.45E-08	8.77E-08	0.00E+00	0.00E+00	1.32E-07
1482	500627.68	3733042.48	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
1483	500629.39	3733051.93	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
1484	500631.09	3733061.37	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	4.25E-08	8.38E-08	0.00E+00	0.00E+00	1.26E-07
1485	500632.8	3733070.81	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.19E-08	8.25E-08	0.00E+00	0.00E+00	1.24E-07
1486	500634.51	3733080.25	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
1487	500636.21	3733089.7	2.69E-07	4.59E-07	0.00E+00	0.00E+00	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.59E-07	0.00E+00	0.00E+00	7.28E-07	4.06E-08	7.99E-08	0.00E+00	0.00E+00	1.20E-07
1488	500637.92	3733099.14	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.17E-07	3.99E-08	7.87E-08	0.00E+00	0.00E+00	1.19E-07
1489	500639.63	3733108.58	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	3.93E-08	7.74E-08	0.00E+00	0.00E+00	1.17E-07
1490	500641.33	3733118.02	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	3.87E-08	7.62E-08	0.00E+00	0.00E+00	1.15E-07
1491	500643.04	3733127.46	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	3.81E-08	7.50E-08	0.00E+00	0.00E+00	1.13E-07
1492	500644.75	3733136.91	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
1493	500646.45	3733146.35	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.27E-08	0.00E+00	0.00E+00	1.10E-07
1494	500648.16	3733155.79	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	3.63E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
1495	500649.87	3733165.23	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
1496	500367.43	3732668.58	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.19E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
1497	500358.31	3732664.79	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.27E-08	1.83E-07	0.00E+00	0.00E+00	2.75E-07
1498	500349.18	3732661	6.21E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.35E-08	1.84E-07	0.00E+00	0.00E+00	2.78E-07
1499	500340.05	3732657.21	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.41E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
1500	500330.93	3732653.42	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.46E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
1501	500321.8	3732649.62	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
1502	500312.68	3732645.83	6.34E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.55E-08	1.88E-07	0.00E+00	0.00E+00	2.83E-07
1503	500303.55	3732642.04	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.57E-08	1.89E-07	0.00E+00	0.00E+00	2.84E-07
1504	500294.42	3732638.25	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.59E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
1505	500285.3	3732634.46	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.59E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
1506	500276.17	3732630.67	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.59E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
1507	500194.03	3732596.55	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.08E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
1508	500184.91	3732592.76	5.96E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	8.98E-08	1.77E-07	0.00E+00	0.00E+00	2.67E-07
1509	500175.78	3732588.97	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.87E-08	1.75E-07	0.00E+00	0.00E+00	2.63E-07
1510	500166.66	3732585.18	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	8.75E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
1511	500157.53	3732581.38	5.73E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	8.63E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
1512	500148.4	3732577.59	5.64E-07	9.61E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.61E-07	0.00E+00	0.00E+00	1.52E-06	8.50E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
1513	500139.28	3732573.8	5.55E-07	9.45E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-07	9.45E-07	0.00E+00	0.00E+00	1.50E-06	8.36E-08	1.65E-07	0.00E+00	0.00E+00	2.48E-07
1514	500130.15	3732570.01	5.46E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	8.22E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
1515	500121.02	3732566.22	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	8.07E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
1516	500111.9	3732562.43	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.92E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
1517	500102.77	3732558.64	5.16E-07	8.78E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.78E-07	0.00E+00	0.00E+00	1.39E-06	7.76E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
1518	500093.65	3732554.85	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
1519	500084.52	3732551.06	4.94E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	7.44E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
1520	500075.39	3732547.27	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	7.28E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
1521	500066.27	3732543.47	4.73E-07	8.05E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-07	8.05E-07	0.00E+00	0.00E+00	1.28E-06	7.12E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
1522	500057.14	3732539.68	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	6.95E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
1523	500048.02	3732535.89	4.51E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1524	500386.12	3732647.26	5.71E-07	9.73E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-07	9.73E-07	0.00E+00	0.00E+00	1.54E-06	8.60E-08	1.69E-07	0.00E+00	0.00E+00	2.56E-07
1525	500393.3	3732653.64	5.70E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	8.58E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
1526	500400.49	3732660.02	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.53E-06	8.55E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
1527	500407.67	3732666.4	5.65E-07	9.62E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	9.62E-07	0.00E+00	0.00E+00	1.53E-06	8.51E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
1528	500414.85	3732672.78	5.62E-07	9.57E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-07	9.57E-07	0.00E+00	0.00E+00	1.52E-06	8.46E-08	1.67E-07	0.00E+00	0.00E+00	2.51E-07
1529	500422.03	3732679.16	5.58E-07	9.51E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-07	9.51E-07	0.00E+00	0.00E+00	1.51E-06	8.41E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
1530	500429.21	3732685.54	5.54E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	8.35E-08	1.64E-07	0.00E+00	0.00E+00	2.48E-07
1531	500436.39	3732691.93	5.50E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	8.28E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
1532	500443.58	3732698.31	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
1533	500450.76	3732704.69	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
1534	500457.94	3732711.07	5.33E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	8.03E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
1535	500465.12	3732717.45	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	7.93E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
1536	500472.3	3732723.83	5.20E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
1537	500479.48	3732730.21	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	7.73E-08	1.52E-07	0.00E+00	0.00E+00	2.30E-07
1538	500486.67	3732736.6	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	7.62E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
1539	500493.85	3732742.98	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	7.50E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1540	500501.03	3732749.36	4.90E-07	8.35E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.35E-07	0.00E+00	0.00E+00	1.33E-06	7.38E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
1541	500508.21	3732755.74	4.82E-07	8.21E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.21E-07	0.00E+00	0.00E+00	1.30E-06	7.26E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
1542	500515.39	3732762.12	4.74E-07	8.07E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-07	8.07E-07	0.00E+00	0.00E+00	1.28E-06	7.13E-08	1.41E-07	0.00E+00	0.00E+00	2.12E-07
1543	500522.57	3732768.5	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	7.01E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
1544	500529.75	3732774.88	4.57E-07	7.77E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.77E-07	0.00E+00	0.00E+00	1.23E-06	6.87E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
1545	500536.94	3732781.26	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
1546	500544.12	3732787.65	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	6.60E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
1547	500551.3	3732794.03	4.29E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
1548	500558.48	3732800.41	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
1549	500565.66	3732806.79	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
1550	500572.84	3732813.17	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	6.05E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
1551	500580.03	3732819.55	3.93E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	5.91E-08	1.16E-07	0.00E+00	0.00E+00	1.76E-07
1552	500587.21	3732825.93	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
1553	500594.39	3732832.32	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
1554	500601.57	3732838.7	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
1555	500608.75	3732845.08	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
1556	500615.93	3732851.46	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.38E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07

1557	500624.82	3732867.29	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.94E-08	0.00E+00	0.00E+00	1.50E-07
1558	500626.53	3732876.75	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.97E-07	5.00E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
1559	500628.24	3732886.2	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.74E-08	0.00E+00	0.00E+00	1.47E-07
1560	500629.95	3732895.66	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.63E-08	0.00E+00	0.00E+00	1.45E-07
1561	500631.66	3732905.11	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	4.84E-08	9.53E-08	0.00E+00	0.00E+00	1.44E-07
1562	500633.37	3732914.56	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.58E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
1563	500635.08	3732924.02	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.48E-07	4.72E-08	9.30E-08	0.00E+00	0.00E+00	1.40E-07
1564	500636.79	3732933.47	3.10E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	4.67E-08	9.19E-08	0.00E+00	0.00E+00	1.39E-07
1565	500641.91	3732961.83	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.84E-08	0.00E+00	0.00E+00	1.33E-07
1566	500643.62	3732971.29	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.32E-07
1567	500645.33	3732980.74	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	4.37E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
1568	500647.04	3732990.2	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
1569	500648.75	3732999.65	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.36E-08	0.00E+00	0.00E+00	1.26E-07
1570	500650.46	3733009.1	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
1571	500652.17	3733018.56	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
1572	500653.88	3733028.01	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	4.06E-08	8.00E-08	0.00E+00	0.00E+00	1.21E-07
1573	500655.59	3733037.46	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
1574	500657.29	3733046.92	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.94E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
1575	500659	3733056.37	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
1576	500660.71	3733065.83	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	3.82E-08	7.53E-08	0.00E+00	0.00E+00	1.14E-07
1577	500662.42	3733075.28	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.76E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
1578	500664.13	3733084.73	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	3.71E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
1579	500665.84	3733094.19	2.42E-07	4.13E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.13E-07	0.00E+00	0.00E+00	6.55E-07	3.65E-08	7.19E-08	0.00E+00	0.00E+00	1.08E-07
1580	500667.55	3733103.64	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.59E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
1581	500669.26	3733113.1	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
1582	500670.97	3733122.55	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
1583	500672.67	3733132	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
1584	500674.38	3733141.46	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	3.38E-08	6.66E-08	0.00E+00	0.00E+00	1.00E-07
1585	500676.09	3733150.91	2.21E-07	3.77E-07	0.00E+00	0.00E+00	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.77E-07	0.00E+00	0.00E+00	5.98E-07	3.33E-08	6.56E-08	0.00E+00	0.00E+00	9.89E-08
1586	500677.8	3733160.37	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.75E-08
1587	500679.51	3733169.82	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.80E-07	3.23E-08	6.37E-08	0.00E+00	0.00E+00	9.60E-08
1588	500378.94	3732640.88	5.72E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	8.62E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
1589	500369.82	3732637.08	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
1590	500360.69	3732633.29	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	8.75E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
1591	500351.56	3732629.5	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	8.81E-08	1.73E-07	0.00E+00	0.00E+00	2.62E-07
1592	500342.44	3732625.71	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.85E-08	1.74E-07	0.00E+00	0.00E+00	2.63E-07
1593	500333.31	3732621.92	5.90E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.89E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
1594	500296.81	3732606.76	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.95E-08	1.76E-07	0.00E+00	0.00E+00	2.66E-07
1595	500287.68	3732602.96	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.95E-08	1.76E-07	0.00E+00	0.00E+00	2.66E-07
1596	500278.55	3732599.17	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.93E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
1597	500269.43	3732595.38	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.90E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
1598	500260.3	3732591.59	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.87E-08	1.75E-07	0.00E+00	0.00E+00	2.63E-07
1599	500251.17	3732587.8	5.86E-07	9.98E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-07	9.98E-07	0.00E+00	0.00E+00	1.58E-06	8.82E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
1600	500242.05	3732584.01	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.57E-06	8.77E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
1601	500232.92	3732580.22	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	8.71E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
1602	500187.29	3732561.26	5.51E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	8.29E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
1603	500178.16	3732557.47	5.44E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	8.19E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
1604	500169.04	3732553.68	5.36E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	8.07E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
1605	500159.91	3732549.89	5.29E-07	9.00E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-07	9.00E-07	0.00E+00	0.00E+00	1.43E-06	7.96E-08	1.57E-07	0.00E+00	0.00E+00	2.36E-07
1606	500150.79	3732546.1	5.21E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	7.84E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
1607	500141.66	3732542.31	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	7.71E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
1608	500132.53	3732538.52	5.03E-07	8.57E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-07	8.57E-07	0.00E+00	0.00E+00	1.36E-06	7.58E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
1609	500123.41	3732534.72	4.94E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	7.44E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
1610	500114.28	3732530.93	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	7.30E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
1611	500105.15	3732527.14	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	7.16E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
1612	500096.03	3732523.35	4.66E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	7.02E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
1613	500086.9	3732519.56	4.57E-07	7.77E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.77E-07	0.00E+00	0.00E+00	1.23E-06	6.87E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
1614	500077.78	3732515.77	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	6.73E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
1615	500068.65	3732511.98	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
1616	500059.52	3732508.19	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
1617	500050.4	3732504.4	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	6.28E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
1618	500041.27	3732500.61	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
1619	500401.61	3732610.44	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	7.93E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
1620	500408.94	3732616.95	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.92E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
1621	500416.26	3732623.46	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	7.89E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
1622	500423.59	3732629.97	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	7.86E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
1623	500430.91	3732636.48	5.19E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	7.82E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
1624	500438.24	3732642.99	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.40E-06	7.78E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
1625	500445.56	3732649.5	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	7.72E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
1626	500452.89	3732656.01	5.09E-07	8.67E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	8.67E-07	0.00E+00	0.00E+00	1.38E-06	7.67E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
1627	500460.21	3732662.52	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
1628	500467.54	3732669.03	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
1629	500474.86	3732675.53	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	7.46E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
1630	500482.19	3732682.04	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	7.38E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
1631	500489.51	3732688.55	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	7.29E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
1632	500496.84	3732695.06	4.78E-07	8.14E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	8.14E-07	0.00E+00	0.00E+00	1.29E-06	7.20E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
1633	500504.16	3732701.57	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	7.10E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
1634	500511.49	3732708.08	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	7.00E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
1635	500518.81	3732714.59	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	6.90E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
1636	500526.14	3732721.1	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1637	500533.47	3732727.61	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
1638	500540.79	3732734.11	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
1639	500548.12	3732740.62	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
1640	500555.44	3732747.13	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
1641	500562.77	3732753.64	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	6.21E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
1642	500570.09	3732760.15	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	6.08E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
1643	500577.42	3732766.66	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	5.96E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
1644	500584.74	3732773.17	3.87E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	5.83E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
1645	500592.07	3732779.68	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.71E-08	1.12E-07	0.00E+00	0.00E+00	1.70E-07
1646	500599.39	3732786.19	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
1647	500606.72	3732792.7	3.62E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
1648	500614.04	3732799.2	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
1649	500621.37	3732805.71	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
1650	500628.69	3732812.22	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.13E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
1651	500636.02	3732818.73	3.30E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	4.96E-08	9.78E-08	0.00E+00	0.00E+00	1.47E-07
1652	500643.34	3732825.24	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.54E-08	0.00E+00	0.00E+00	1.44E-07
1653	500650.67	3732831.75	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	4.72E-08	9.30E-08	0.00E+00	0.00E+00	1.40E-07
1654	500659.74	3732847.9	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	4.56E-08	8.98E-08	0.00E+00	0.00E+00	1.35E-07
1655	500661.48	3732857.54	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	4.51E-08	8.89E-08	0.00E+00	0.00E+00	1.34E-07
1656	500663.22	3732867.19	2.96E-07	5.05E-07	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.05E-07	0.00E+00	0.00E+00	8.01E-07	4.46E-08	8.79E-08	0.00E+00	0.00E+00	1.33E-07
1657	500664.97	3732876.83	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.42E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
1658	500666.71	3732886.47	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	4.37E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
1659	500668.45	3732896.12	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	4.31E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
1660	500670.2	3732905.76	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.40E-08	0.00E+00	0.00E+00	1.27E-07
1661	500671.94	3732915.4	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	4.21E-08	8.30E-08	0.00E+00	0.00E+00	1.25E-07
1662	500673.68	3732925.05	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
1663	500675.43	3732934.69	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.10E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
1664	500680.65	3732963.62	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.94E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
1665	500682.4	3732973.26	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.15E-07
1666	500684.14	3732982.9	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	3.83E-08	7.55E-08	0.00E+00	0.00E+00	1.14E-07
1667	500685.88	3732992.55	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.44E-08	0.00E+00	0.00E+00	1.12E-07
1668	500687.63	3733002.19	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
1669	500689.37	3733011.83	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
1670	500691.11	3733021.47	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.62E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
1671	500692.86	3733031.12	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.02E-08	0.00E+00	0.00E+00	1.06E-07
1672	500694.6	3733040.76	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.91E-08	0.00E+00	0.00E+00	1.04E-07
1673	500696.34	3733050.4	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
1674	500698.09	3733060.05	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.40E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
1675	500699.83	3733069.69	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.35E-08	6.61E-08	0.00E+00	0.00E+00	9.96E-08
1676	500701.57	3733079.33	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.51E-08	0.00E+00	0.00E+00	9.81E-08
1677	500703.32	3733088.98	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.41E-08	0.00E+00	0.00E+00	9.66E-08
1678	500705.06	3733098.62	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.52E-08
1679	500706.8	3733108.26	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.38E-08
1680	500708.54	3733117.9	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.24E-08
1681	500710.29	3733127.55	2.04E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	3.06E-08	6.04E-08	0.00E+00	0.00E+00	9.10E-08
1682	500712.03	3733137.19	2.01E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.97E-08
1683	500713.77	3733146.83	1.98E-07	3.36E-07	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.36E-07	0.00E+00	0.00E+00	5.34E-07	2.98E-08	5.86E-08	0.00E+00	0.00E+00	8.84E-08
1684	500715.52	3733156.48	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.78E-08	0.00E+00	0.00E+00	8.71E-08
1685	500717.26	3733166.12	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.59E-08
1686	500719	3733175.76	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08

1687	500376.03	3732596.35	5.35E-07	9.10E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-07	9.10E-07	0.00E+00	0.00E+00	1.44E-06	8.05E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
1688	500366.91	3732592.56	5.37E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	8.09E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
1689	500357.78	3732588.77	5.40E-07	9.19E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	9.19E-07	0.00E+00	0.00E+00	1.46E-06	8.13E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
1690	500348.66	3732584.98	5.42E-07	9.22E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-07	9.22E-07	0.00E+00	0.00E+00	1.46E-06	8.16E-08	1.61E-07	0.00E+00	0.00E+00	2.42E-07
1691	500339.53	3732581.19	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	8.18E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
1692	500330.4	3732577.4	5.44E-07	9.26E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-07	9.26E-07	0.00E+00	0.00E+00	1.47E-06	8.19E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
1693	500321.28	3732573.61	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
1694	500312.15	3732569.82	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
1695	500303.02	3732566.02	5.44E-07	9.26E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-07	9.26E-07	0.00E+00	0.00E+00	1.47E-06	8.19E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
1696	500293.9	3732562.23	5.43E-07	9.24E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-07	9.24E-07	0.00E+00	0.00E+00	1.47E-06	8.18E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
1697	500284.77	3732558.44	5.41E-07	9.22E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	9.22E-07	0.00E+00	0.00E+00	1.46E-06	8.15E-08	1.61E-07	0.00E+00	0.00E+00	2.42E-07
1698	500275.65	3732554.65	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
1699	500266.52	3732550.86	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	8.08E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
1700	500257.39	3732547.07	5.34E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	8.03E-08	1.58E-07	0.00E+00	0.00E+00	2.39E-07
1701	500248.27	3732543.28	5.30E-07	9.02E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-07	9.02E-07	0.00E+00	0.00E+00	1.43E-06	7.98E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
1702	500239.14	3732539.49	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.92E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
1703	500230.01	3732535.7	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	7.85E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
1704	500193.51	3732520.53	5.00E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1705	500184.38	3732516.74	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	7.42E-08	1.46E-07	0.00E+00	0.00E+00	2.21E-07
1706	500175.26	3732512.95	4.86E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	7.32E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
1707	500166.13	3732509.16	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	7.22E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
1708	500157	3732505.37	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	7.11E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
1709	500147.88	3732501.58	4.65E-07	7.91E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	7.91E-07	0.00E+00	0.00E+00	1.26E-06	7.00E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
1710	500138.75	3732497.79	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.23E-06	6.88E-08	1.36E-07	0.00E+00	0.00E+00	2.04E-07
1711	500129.63	3732493.99	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	6.76E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
1712	500120.5	3732490.2	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	6.64E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
1713	500111.37	3732486.41	4.33E-07	7.36E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-07	7.36E-07	0.00E+00	0.00E+00	1.17E-06	6.51E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1714	500102.25	3732482.62	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	6.39E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
1715	500093.12	3732478.83	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	6.26E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
1716	500083.99	3732475.04	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
1717	500074.87	3732471.25	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
1718	500065.74	3732467.46	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
1719	500056.62	3732463.67	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
1720	500416.89	3732573.45	4.87E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	7.34E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
1721	500424.16	3732579.9	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
1722	500431.42	3732586.36	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	7.31E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
1723	500453.21	3732605.72	4.80E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	7.22E-08	1.42E-07	0.00E+00	0.00E+00	2.15E-07
1724	500460.47	3732612.17	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.42E-07	0.00E+00	0.00E+00	2.13E-07
1725	500467.73	3732618.62	4.74E-07	8.07E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-07	8.07E-07	0.00E+00	0.00E+00	1.28E-06	7.14E-08	1.41E-07	0.00E+00	0.00E+00	2.12E-07
1726	500474.99	3732625.08	4.71E-07	8.01E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-07	8.01E-07	0.00E+00	0.00E+00	1.27E-06	7.09E-08	1.40E-07	0.00E+00	0.00E+00	2.10E-07
1727	500482.26	3732631.53	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.38E-07	0.00E+00	0.00E+00	2.09E-07
1728	500489.52	3732637.98	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1729	500496.78	3732644.44	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	6.90E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
1730	500504.05	3732650.89	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	6.83E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
1731	500511.31	3732657.34	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	6.76E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
1732	500518.57	3732663.8	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
1733	500525.83	3732670.25	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	6.59E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
1734	500533.1	3732676.7	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1735	500540.36	3732683.16	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	6.41E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
1736	500547.62	3732689.61	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
1737	500554.88	3732696.06	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
1738	500562.15	3732702.52	4.07E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
1739	500569.41	3732708.97	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
1740	500576.67	3732715.42	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.91E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
1741	500583.93	3732721.88	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
1742	500591.2	3732728.33	3.79E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
1743	500598.46	3732734.78	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
1744	500605.72	3732741.24	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
1745	500612.98	3732747.69	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.64E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
1746	500620.25	3732754.14	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
1747	500627.51	3732760.6	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
1748	500634.77	3732767.05	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	5.04E-08	9.93E-08	0.00E+00	0.00E+00	1.50E-07
1749	500642.03	3732773.5	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
1750	500649.3	3732779.96	3.20E-07	5.45E-07	0.00E+00	0.00E+00	8.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.45E-07	0.00E+00	0.00E+00	8.65E-07	4.82E-08	9.49E-08	0.00E+00	0.00E+00	1.43E-07
1751	500656.56	3732786.41	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.45E-07	4.71E-08	9.28E-08	0.00E+00	0.00E+00	1.40E-07
1752	500663.82	3732792.86	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
1753	500671.09	3732799.32	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
1754	500678.35	3732805.77	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.65E-08	0.00E+00	0.00E+00	1.30E-07
1755	500685.61	3732812.22	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	4.28E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
1756	500694.6	3732828.24	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.16E-08	0.00E+00	0.00E+00	1.23E-07
1757	500696.33	3732837.8	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
1758	500698.06	3732847.36	2.69E-07	4.59E-07	0.00E+00	0.00E+00	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.59E-07	0.00E+00	0.00E+00	7.28E-07	4.06E-08	7.99E-08	0.00E+00	0.00E+00	1.20E-07
1759	500699.79	3732856.92	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.20E-07	4.01E-08	7.91E-08	0.00E+00	0.00E+00	1.19E-07
1760	500701.51	3732866.48	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.82E-08	0.00E+00	0.00E+00	1.18E-07
1761	500703.24	3732876.04	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.73E-08	0.00E+00	0.00E+00	1.17E-07
1762	500704.97	3732885.6	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
1763	500706.7	3732895.16	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	3.83E-08	7.55E-08	0.00E+00	0.00E+00	1.14E-07
1764	500708.43	3732904.72	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
1765	500710.16	3732914.28	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
1766	500711.88	3732923.84	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.63E-07	3.69E-08	7.27E-08	0.00E+00	0.00E+00	1.10E-07
1767	500713.61	3732933.4	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.64E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
1768	500718.8	3732962.08	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
1769	500720.52	3732971.64	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
1770	500722.25	3732981.21	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
1771	500723.98	3732990.77	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.61E-08	0.00E+00	0.00E+00	9.97E-08
1772	500725.71	3733000.33	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
1773	500727.44	3733009.89	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.26E-08	6.43E-08	0.00E+00	0.00E+00	9.69E-08
1774	500729.17	3733019.45	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.55E-08
1775	500730.89	3733029.01	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
1776	500732.62	3733038.57	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	3.13E-08	6.16E-08	0.00E+00	0.00E+00	9.28E-08
1777	500734.35	3733048.13	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
1778	500736.08	3733057.69	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.98E-08	0.00E+00	0.00E+00	9.02E-08
1779	500737.81	3733067.25	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.89E-08
1780	500739.53	3733076.81	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
1781	500741.26	3733086.37	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.63E-08
1782	500742.99	3733095.93	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	2.87E-08	5.64E-08	0.00E+00	0.00E+00	8.51E-08
1783	500744.72	3733105.49	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.39E-08
1784	500746.45	3733115.05	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.27E-08
1785	500748.18	3733124.61	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
1786	500749.9	3733134.17	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.04E-08
1787	500751.63	3733143.73	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
1788	500753.36	3733153.3	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
1789	500755.09	3733162.86	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
1790	500756.82	3733172.42	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.61E-07	2.57E-08	5.06E-08	0.00E+00	0.00E+00	7.62E-08
1791	500758.55	3733181.98	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
1792	500409.63	3732567	4.88E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	7.34E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
1793	500400.51	3732563.2	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.39E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
1794	500391.38	3732559.41	4.94E-07	8.40E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	8.40E-07	0.00E+00	0.00E+00	1.33E-06	7.43E-08	1.46E-07	0.00E+00	0.00E+00	2.21E-07
1795	500382.25	3732555.62	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	7.47E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
1796	500373.13	3732551.83	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	7.50E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1797	500364	3732548.04	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1798	500354.87	3732544.25	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
1799	500345.75	3732540.46	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	7.54E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
1800	500336.62	3732536.67	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	7.55E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
1801	500327.5	3732532.88	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	7.54E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
1802	500318.37	3732529.09	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
1803	500309.24	3732525.29	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1804	500300.12	3732521.5	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	7.50E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
1805	500290.99	3732517.71	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	7.47E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
1806	500281.86	3732513.92	4.94E-07	8.40E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	8.40E-07	0.00E+00	0.00E+00	1.33E-06	7.43E-08	1.46E-07	0.00E+00	0.00E+00	2.21E-07
1807	500272.74	3732510.13	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.39E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
1808	500263.61	3732506.34	4.88E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	7.34E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
1809	500254.49	3732502.55	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	7.29E-08	1.44E-07	0.00E+00	0.00E+00	2.16E-07
1810	500245.36	3732498.76	4.80E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	7.23E-08	1.42E-07	0.00E+00	0.00E+00	2.15E-07
1811	500236.23	3732494.97	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	7.17E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
1812	500190.6	3732476.01	4.50E-07	7.65E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.65E-07	0.00E+00	0.00E+00	1.21E-06	6.77E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
1813	500181.48	3732472.22	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
1814	500172.35	3732468.43	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
1815	500163.22	3732464.64	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	6.48E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1816	500154.1	3732460.85	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	6.38E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07

1817	500144.97	3732457.05	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	6.28E-08	1.24E-07	0.00E+00	0.00E+00	1.86E-07
1818	500135.84	3732453.26	4.10E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	6.17E-08	1.22E-07	0.00E+00	0.00E+00	1.83E-07
1819	500126.72	3732449.47	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
1820	500117.59	3732445.68	3.96E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
1821	500108.47	3732441.89	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	5.84E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
1822	500099.34	3732438.1	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	5.73E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
1823	500090.21	3732434.31	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
1824	500081.09	3732430.52	3.66E-07	6.22E-07	0.00E+00	0.00E+00	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.22E-07	0.00E+00	0.00E+00	9.88E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
1825	500071.96	3732426.73	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.68E-07	5.39E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
1826	500432.36	3732536.62	4.53E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1827	500439.75	3732543.18	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1828	500447.13	3732549.74	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1829	500454.52	3732556.3	4.50E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	6.78E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
1830	500461.9	3732562.87	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	6.75E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
1831	500469.28	3732569.43	4.47E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	6.72E-08	1.32E-07	0.00E+00	0.00E+00	2.00E-07
1832	500476.67	3732575.99	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	6.69E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
1833	500498.82	3732595.68	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	6.56E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
1834	500506.21	3732602.24	4.32E-07	7.36E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.36E-07	0.00E+00	0.00E+00	1.17E-06	6.51E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1835	500513.59	3732608.8	4.29E-07	7.30E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	7.30E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
1836	500520.98	3732615.36	4.24E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	6.39E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
1837	500528.36	3732621.92	4.20E-07	7.15E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.15E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
1838	500535.75	3732628.48	4.16E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	6.26E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
1839	500543.13	3732635.05	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
1840	500550.52	3732641.61	4.06E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
1841	500557.9	3732648.17	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.03E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
1842	500565.29	3732654.73	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
1843	500572.67	3732661.29	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
1844	500580.06	3732667.86	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.03E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
1845	500587.44	3732674.42	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
1846	500594.83	3732680.98	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
1847	500602.21	3732687.54	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
1848	500609.6	3732694.1	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	5.39E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
1849	500616.98	3732700.67	3.51E-07	5.98E-07	0.00E+00	0.00E+00	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.98E-07	0.00E+00	0.00E+00	9.50E-07	5.29E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
1850	500624.36	3732707.23	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
1851	500631.75	3732713.79	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
1852	500639.13	3732720.35	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
1853	500646.52	3732726.91	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
1854	500653.9	3732733.47	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
1855	500661.29	3732740.04	3.12E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	4.69E-08	9.24E-08	0.00E+00	0.00E+00	1.39E-07
1856	500668.67	3732746.6	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.04E-08	0.00E+00	0.00E+00	1.36E-07
1857	500676.06	3732753.16	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
1858	500683.44	3732759.72	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.65E-08	0.00E+00	0.00E+00	1.30E-07
1859	500690.83	3732766.28	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	4.29E-08	8.46E-08	0.00E+00	0.00E+00	1.27E-07
1860	500698.21	3732772.85	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	4.19E-08	8.26E-08	0.00E+00	0.00E+00	1.25E-07
1861	500705.6	3732779.41	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
1862	500712.98	3732785.97	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
1863	500720.37	3732792.53	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
1864	500729.51	3732808.82	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.44E-08	0.00E+00	0.00E+00	1.12E-07
1865	500731.27	3732818.54	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
1866	500733.02	3732828.26	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	3.70E-08	7.29E-08	0.00E+00	0.00E+00	1.10E-07
1867	500734.78	3732837.98	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
1868	500736.54	3732847.7	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.07E-07
1869	500738.3	3732857.42	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
1870	500740.05	3732867.14	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
1871	500741.81	3732876.86	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
1872	500743.57	3732886.59	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
1873	500745.32	3732896.31	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
1874	500747.08	3732906.03	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
1875	500748.84	3732915.75	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
1876	500750.6	3732925.47	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.74E-08
1877	500752.35	3732935.19	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
1878	500757.63	3732964.36	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.23E-08
1879	500759.38	3732974.08	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	3.07E-08	6.04E-08	0.00E+00	0.00E+00	9.11E-08
1880	500761.14	3732983.8	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.02E-08	5.96E-08	0.00E+00	0.00E+00	8.98E-08
1881	500762.9	3732993.52	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
1882	500764.65	3733003.24	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
1883	500766.41	3733012.96	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
1884	500768.17	3733022.69	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.49E-08
1885	500769.93	3733032.41	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
1886	500771.68	3733042.13	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
1887	500773.44	3733051.85	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.14E-08
1888	500775.2	3733061.57	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.02E-08
1889	500776.96	3733071.29	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
1890	500778.71	3733081.01	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.63E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
1891	500780.47	3733090.73	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	2.59E-08	5.10E-08	0.00E+00	0.00E+00	7.69E-08
1892	500782.23	3733100.46	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
1893	500783.99	3733110.18	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.48E-08
1894	500785.74	3733119.9	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.38E-08
1895	500787.5	3733129.62	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.28E-08
1896	500789.26	3733139.34	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.77E-08	0.00E+00	0.00E+00	7.19E-08
1897	500791.01	3733149.06	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.09E-08
1898	500792.77	3733158.78	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.00E-08
1899	500794.53	3733168.51	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
1900	500796.29	3733178.23	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
1901	500798.04	3733187.95	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.75E-08
1902	500424.98	3732530.06	4.53E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1903	500415.85	3732526.27	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	6.85E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
1904	500406.72	3732522.47	4.57E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	6.89E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
1905	500397.6	3732518.68	4.59E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	6.92E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
1906	500388.47	3732514.89	4.61E-07	7.84E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.84E-07	0.00E+00	0.00E+00	1.25E-06	6.94E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
1907	500379.35	3732511.1	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	6.96E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1908	500370.22	3732507.31	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1909	500361.09	3732503.52	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1910	500351.97	3732499.73	4.63E-07	7.89E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.89E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1911	500342.84	3732495.94	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1912	500333.71	3732492.15	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	6.96E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
1913	500324.59	3732488.35	4.61E-07	7.85E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.85E-07	0.00E+00	0.00E+00	1.25E-06	6.94E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
1914	500315.46	3732484.56	4.60E-07	7.83E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	7.83E-07	0.00E+00	0.00E+00	1.24E-06	6.92E-08	1.36E-07	0.00E+00	0.00E+00	2.06E-07
1915	500306.34	3732480.77	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	6.90E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
1916	500297.21	3732476.98	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	6.87E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
1917	500288.08	3732473.19	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	6.83E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
1918	500278.96	3732469.4	4.51E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
1919	500269.83	3732465.61	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
1920	500260.7	3732461.82	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	6.69E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
1921	500251.58	3732458.03	4.40E-07	7.49E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	7.49E-07	0.00E+00	0.00E+00	1.19E-06	6.63E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
1922	500242.45	3732454.23	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
1923	500233.33	3732450.44	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
1924	500196.82	3732435.28	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	6.20E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
1925	500187.69	3732431.49	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
1926	500178.57	3732427.7	4.01E-07	6.82E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.82E-07	0.00E+00	0.00E+00	1.08E-06	6.03E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
1927	500169.44	3732423.91	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
1928	500160.32	3732420.11	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
1929	500151.19	3732416.32	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
1930	500142.06	3732412.53	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	5.66E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
1931	500132.94	3732408.74	3.70E-07	6.30E-07	0.00E+00	0.00E+00	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	9.99E-07	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
1932	500123.81	3732404.95	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
1933	500114.68	3732401.16	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.64E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
1934	500105.56	3732397.37	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
1935	500096.43	3732393.58	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
1936	500087.31	3732389.79	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
1937	500447.65	3732499.63	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
1938	500454.97	3732506.13	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
1939	500462.3	3732512.64	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
1940	500469.62	3732519.15	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
1941	500476.95	3732525.66	4.19E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	6.30E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
1942	500484.27	3732532.17	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	6.28E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
1943	500491.6	3732538.68	4.15E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	6.25E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
1944	500498.92	3732545.19	4.13E-07	7.04E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.04E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
1945	500506.25	3732551.7	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
1946	500513.57	3732558.21	4.09E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	6.15E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07

1947	500520.9	3732564.72	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
1948	500528.22	3732571.22	4.03E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
1949	500550.2	3732590.75	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
1950	500557.52	3732597.26	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	5.84E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
1951	500564.85	3732603.77	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
1952	500572.17	3732610.28	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
1953	500579.5	3732616.79	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
1954	500586.83	3732623.3	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	5.56E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
1955	500594.15	3732629.81	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
1956	500601.48	3732636.31	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
1957	500608.8	3732642.82	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
1958	500616.13	3732649.33	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
1959	500623.45	3732655.84	3.42E-07	5.83E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.83E-07	0.00E+00	0.00E+00	9.25E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
1960	500630.78	3732662.35	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
1961	500638.1	3732668.86	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	4.98E-08	9.82E-08	0.00E+00	0.00E+00	1.48E-07
1962	500645.43	3732675.37	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
1963	500652.75	3732681.88	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	4.81E-08	9.47E-08	0.00E+00	0.00E+00	1.43E-07
1964	500660.08	3732688.39	3.13E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	4.72E-08	9.30E-08	0.00E+00	0.00E+00	1.40E-07
1965	500667.4	3732694.89	3.08E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	4.63E-08	9.12E-08	0.00E+00	0.00E+00	1.38E-07
1966	500674.73	3732701.4	3.02E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.94E-08	0.00E+00	0.00E+00	1.35E-07
1967	500682.05	3732707.91	2.96E-07	5.03E-07	0.00E+00	0.00E+00	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.03E-07	0.00E+00	0.00E+00	7.99E-07	4.45E-08	8.77E-08	0.00E+00	0.00E+00	1.32E-07
1968	500689.38	3732714.42	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.29E-07
1969	500696.7	3732720.93	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	4.27E-08	8.41E-08	0.00E+00	0.00E+00	1.27E-07
1970	500704.03	3732727.44	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
1971	500711.35	3732733.95	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	4.09E-08	8.06E-08	0.00E+00	0.00E+00	1.22E-07
1972	500718.68	3732740.46	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	4.00E-08	7.89E-08	0.00E+00	0.00E+00	1.19E-07
1973	500726	3732746.97	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
1974	500733.33	3732753.48	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
1975	500740.65	3732759.98	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
1976	500747.98	3732766.49	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
1977	500755.31	3732773	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
1978	500764.37	3732789.15	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
1979	500766.12	3732798.8	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
1980	500767.86	3732808.44	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
1981	500769.6	3732818.08	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.36E-08	6.61E-08	0.00E+00	0.00E+00	9.97E-08
1982	500771.35	3732827.73	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
1983	500773.09	3732837.37	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.47E-08	0.00E+00	0.00E+00	9.75E-08
1984	500774.83	3732847.01	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.64E-08
1985	500776.58	3732856.66	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
1986	500778.32	3732866.3	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
1987	500780.06	3732875.94	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.63E-07	3.13E-08	6.18E-08	0.00E+00	0.00E+00	9.31E-08
1988	500781.8	3732885.58	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
1989	500783.55	3732895.23	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
1990	500785.29	3732904.87	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.97E-08
1991	500787.03	3732914.51	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
1992	500788.78	3732924.16	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.80E-08	0.00E+00	0.00E+00	8.75E-08
1993	500790.52	3732933.8	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.64E-08
1994	500797.49	3732972.37	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.43E-08	0.00E+00	0.00E+00	8.19E-08
1995	500799.24	3732982.01	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
1996	500800.98	3732991.66	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.68E-08	5.29E-08	0.00E+00	0.00E+00	7.97E-08
1997	500802.72	3733001.3	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.87E-08
1998	500804.47	3733010.94	1.74E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
1999	500806.21	3733020.59	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
2000	500807.95	3733030.23	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.01E-08	0.00E+00	0.00E+00	7.55E-08
2001	500809.69	3733039.87	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.45E-08
2002	500811.44	3733049.51	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.35E-08
2003	500813.18	3733059.16	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08
2004	500814.92	3733068.8	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
2005	500816.67	3733078.44	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.68E-08	0.00E+00	0.00E+00	7.06E-08
2006	500818.41	3733088.09	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.62E-08	0.00E+00	0.00E+00	6.97E-08
2007	500820.15	3733097.73	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
2008	500821.9	3733107.37	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.10E-07	2.29E-08	4.50E-08	0.00E+00	0.00E+00	6.79E-08
2009	500823.64	3733117.02	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.70E-08
2010	500825.38	3733126.66	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
2011	500827.13	3733136.3	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
2012	500828.87	3733145.94	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.46E-08
2013	500830.61	3733155.59	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.38E-08
2014	500832.36	3733165.23	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.15E-08
2015	500834.1	3733174.87	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	2.05E-08	4.03E-08	0.00E+00	0.00E+00	6.08E-08
2016	500835.84	3733184.52	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.99E-08	0.00E+00	0.00E+00	6.01E-08
2017	500837.58	3733194.16	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
2018	500440.32	3732493.12	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
2019	500431.19	3732489.33	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	6.38E-08	1.26E-07	0.00E+00	0.00E+00	1.89E-07
2020	500422.07	3732485.53	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.40E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
2021	500412.94	3732481.74	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
2022	500403.82	3732477.95	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
2023	500394.69	3732474.16	4.29E-07	7.30E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	7.30E-07	0.00E+00	0.00E+00	1.16E-06	6.46E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
2024	500385.56	3732470.37	4.29E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
2025	500376.44	3732466.58	4.30E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
2026	500367.31	3732462.79	4.30E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
2027	500358.19	3732459	4.29E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	7.31E-07	0.00E+00	0.00E+00	1.16E-06	6.46E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
2028	500349.06	3732455.21	4.29E-07	7.30E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	7.30E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
2029	500339.93	3732451.41	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
2030	500330.81	3732447.62	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.26E-07	0.00E+00	0.00E+00	1.91E-07
2031	500321.68	3732443.83	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	6.39E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
2032	500312.55	3732440.04	4.23E-07	7.20E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	7.20E-07	0.00E+00	0.00E+00	1.14E-06	6.36E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
2033	500303.43	3732436.25	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
2034	500294.3	3732432.46	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
2035	500285.18	3732428.67	4.15E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	6.25E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
2036	500276.05	3732424.88	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	6.21E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
2037	500266.92	3732421.09	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.10E-06	6.15E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
2038	500230.42	3732405.92	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
2039	500193.91	3732390.76	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2040	500184.79	3732386.97	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.96E-07	5.55E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
2041	500175.66	3732383.18	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
2042	500166.53	3732379.38	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	5.39E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
2043	500157.41	3732375.59	3.52E-07	6.00E-07	0.00E+00	0.00E+00	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	6.00E-07	0.00E+00	0.00E+00	9.52E-07	5.31E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
2044	500148.28	3732371.8	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.37E-07	5.22E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2045	500139.16	3732368.01	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
2046	500130.03	3732364.22	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.94E-08	0.00E+00	0.00E+00	1.50E-07
2047	500120.9	3732360.43	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.77E-08	0.00E+00	0.00E+00	1.47E-07
2048	500111.78	3732356.64	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	4.87E-08	9.59E-08	0.00E+00	0.00E+00	1.45E-07
2049	500102.65	3732352.85	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
2050	500462.94	3732462.64	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
2051	500470.21	3732469.1	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
2052	500477.49	3732475.57	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
2053	500484.76	3732482.03	3.92E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	5.91E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
2054	500492.03	3732488.49	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
2055	500499.31	3732494.95	3.90E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	5.88E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
2056	500506.58	3732501.42	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.86E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
2057	500513.85	3732507.88	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	5.84E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
2058	500521.13	3732514.34	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
2059	500528.4	3732520.81	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	5.78E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
2060	500535.67	3732527.27	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
2061	500542.95	3732533.73	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
2062	500550.22	3732540.19	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	5.66E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
2063	500557.49	3732546.66	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2064	500564.76	3732553.12	3.70E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
2065	500572.04	3732559.58	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.90E-07	5.51E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
2066	500593.86	3732578.97	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.58E-07	5.34E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
2067	500601.13	3732585.43	3.50E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
2068	500608.4	3732591.9	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2069	500615.68	3732598.36	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.23E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
2070	500622.95	3732604.82	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	5.07E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
2071	500630.22	3732611.28	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.00E-08	9.86E-08	0.00E+00	0.00E+00	1.49E-07
2072	500637.5	3732617.75	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
2073	500644.77	3732624.21	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	4.86E-08	9.57E-08	0.00E+00	0.00E+00	1.44E-07
2074	500652.04	3732630.67	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.58E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
2075	500659.32	3732637.14	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	4.70E-08	9.26E-08	0.00E+00	0.00E+00	1.40E-07
2076	500666.59	3732643.6	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	4.63E-08	9.11E-08	0.00E+00	0.00E+00	1.37E-07

2077	500673.86	3732650.06	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.55E-08	8.96E-08	0.00E+00	0.00E+00	1.35E-07
2078	500681.14	3732656.52	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	4.47E-08	8.80E-08	0.00E+00	0.00E+00	1.33E-07
2079	500688.41	3732662.99	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
2080	500695.68	3732669.45	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
2081	500702.96	3732675.91	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.58E-07	4.23E-08	8.32E-08	0.00E+00	0.00E+00	1.26E-07
2082	500710.23	3732682.38	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	4.15E-08	8.17E-08	0.00E+00	0.00E+00	1.23E-07
2083	500717.5	3732688.84	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	4.06E-08	8.01E-08	0.00E+00	0.00E+00	1.21E-07
2084	500724.78	3732695.3	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
2085	500732.05	3732701.76	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
2086	500739.32	3732708.23	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	3.82E-08	7.53E-08	0.00E+00	0.00E+00	1.14E-07
2087	500746.6	3732714.69	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
2088	500753.87	3732721.15	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	3.67E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
2089	500761.14	3732727.61	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
2090	500768.42	3732734.08	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
2091	500775.69	3732740.54	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
2092	500782.96	3732747	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
2093	500790.24	3732753.47	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
2094	500799.24	3732769.5	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.27E-08	0.00E+00	0.00E+00	9.46E-08
2095	500800.97	3732779.08	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.37E-08
2096	500802.7	3732788.65	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
2097	500804.43	3732798.23	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.09E-08	0.00E+00	0.00E+00	9.18E-08
2098	500806.16	3732807.8	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.08E-08
2099	500807.89	3732817.38	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.03E-08	5.96E-08	0.00E+00	0.00E+00	8.99E-08
2100	500809.62	3732826.95	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.90E-08	0.00E+00	0.00E+00	8.89E-08
2101	500811.36	3732836.53	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.79E-08
2102	500813.09	3732846.1	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.69E-08
2103	500814.82	3732855.67	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.70E-08	0.00E+00	0.00E+00	8.59E-08
2104	500816.55	3732865.25	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.49E-08
2105	500818.28	3732874.82	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.39E-08
2106	500820.01	3732884.4	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
2107	500821.74	3732893.97	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.43E-08	0.00E+00	0.00E+00	8.19E-08
2108	500823.47	3732903.55	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.73E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
2109	500825.2	3732913.12	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
2110	500826.93	3732922.7	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.89E-08
2111	500828.66	3732932.27	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.62E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
2112	500835.59	3732970.57	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
2113	500837.32	3732980.14	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	2.40E-08	4.72E-08	0.00E+00	0.00E+00	7.12E-08
2114	500839.05	3732989.72	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.66E-08	0.00E+00	0.00E+00	7.02E-08
2115	500840.78	3732999.29	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.33E-08	4.60E-08	0.00E+00	0.00E+00	6.93E-08
2116	500842.51	3733008.87	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.54E-08	0.00E+00	0.00E+00	6.84E-08
2117	500844.24	3733018.44	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
2118	500845.97	3733028.02	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.24E-08	4.42E-08	0.00E+00	0.00E+00	6.66E-08
2119	500847.7	3733037.59	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.58E-08
2120	500849.43	3733047.17	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.19E-08	4.30E-08	0.00E+00	0.00E+00	6.49E-08
2121	500851.16	3733056.74	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.41E-08
2122	500852.89	3733066.32	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.33E-08
2123	500854.62	3733075.89	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.25E-08
2124	500856.36	3733085.46	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
2125	500858.09	3733095.04	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
2126	500859.82	3733104.61	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
2127	500861.55	3733114.19	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
2128	500863.28	3733123.76	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.87E-08
2129	500865.01	3733133.34	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.95E-08	3.85E-08	0.00E+00	0.00E+00	5.81E-08
2130	500866.74	3733142.91	1.28E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	1.93E-08	3.81E-08	0.00E+00	0.00E+00	5.74E-08
2131	500868.47	3733152.49	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.68E-08
2132	500870.2	3733162.06	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
2133	500871.93	3733171.64	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
2134	500873.66	3733181.21	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.51E-08
2135	500875.39	3733190.79	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.45E-08
2136	500877.12	3733200.36	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.39E-08
2137	500455.67	3732456.18	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
2138	500446.54	3732452.39	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
2139	500437.41	3732448.59	3.97E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	5.97E-08	1.18E-07	0.00E+00	0.00E+00	1.77E-07
2140	500428.29	3732444.8	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	5.99E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
2141	500419.16	3732441.01	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
2142	500410.03	3732437.22	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.01E-08	1.18E-07	0.00E+00	0.00E+00	1.79E-07
2143	500400.91	3732433.43	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
2144	500391.78	3732429.64	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
2145	500382.66	3732425.85	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
2146	500373.53	3732422.06	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.01E-08	1.18E-07	0.00E+00	0.00E+00	1.79E-07
2147	500327.9	3732403.1	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
2148	500318.77	3732399.31	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	5.89E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
2149	500309.65	3732395.52	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.86E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
2150	500300.52	3732391.73	3.86E-07	6.58E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.58E-07	0.00E+00	0.00E+00	1.04E-06	5.82E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
2151	500291.39	3732387.94	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	5.78E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
2152	500282.27	3732384.15	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	5.73E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
2153	500273.14	3732380.36	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.68E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
2154	500264.02	3732376.56	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2155	500254.89	3732372.77	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
2156	500245.76	3732368.98	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
2157	500236.64	3732365.19	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
2158	500227.51	3732361.4	3.59E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
2159	500191.01	3732346.24	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
2160	500181.88	3732342.44	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
2161	500172.75	3732338.65	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
2162	500163.63	3732334.86	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	4.91E-08	9.67E-08	0.00E+00	0.00E+00	1.46E-07
2163	500154.5	3732331.07	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	4.83E-08	9.51E-08	0.00E+00	0.00E+00	1.43E-07
2164	500145.37	3732327.28	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.36E-08	0.00E+00	0.00E+00	1.41E-07
2165	500136.25	3732323.49	3.10E-07	5.29E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.29E-07	0.00E+00	0.00E+00	8.39E-07	4.67E-08	9.21E-08	0.00E+00	0.00E+00	1.39E-07
2166	500127.12	3732319.7	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	4.60E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
2167	500118	3732315.91	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
2168	500478.39	3732425.79	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	5.54E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
2169	500485.76	3732432.34	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	5.55E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
2170	500493.14	3732438.9	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	5.54E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
2171	500500.51	3732445.45	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	5.54E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
2172	500507.89	3732452	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
2173	500515.26	3732458.56	3.66E-07	6.24E-07	0.00E+00	0.00E+00	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.24E-07	0.00E+00	0.00E+00	9.90E-07	5.51E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
2174	500522.64	3732465.11	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
2175	500530.01	3732471.66	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.83E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
2176	500537.39	3732478.22	3.62E-07	6.17E-07	0.00E+00	0.00E+00	9.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.17E-07	0.00E+00	0.00E+00	9.79E-07	5.46E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
2177	500544.76	3732484.77	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.74E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
2178	500552.14	3732491.32	3.59E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
2179	500559.51	3732497.88	3.56E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
2180	500566.89	3732504.43	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
2181	500574.26	3732510.98	3.51E-07	5.98E-07	0.00E+00	0.00E+00	9.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.98E-07	0.00E+00	0.00E+00	9.49E-07	5.29E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
2182	500581.64	3732517.54	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
2183	500589.01	3732524.09	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
2184	500596.39	3732530.64	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
2185	500603.76	3732537.2	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
2186	500611.14	3732543.75	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.94E-08	0.00E+00	0.00E+00	1.50E-07
2187	500618.51	3732550.3	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.83E-08	0.00E+00	0.00E+00	1.48E-07
2188	500648.01	3732576.52	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	4.75E-08	9.35E-08	0.00E+00	0.00E+00	1.41E-07
2189	500655.39	3732583.07	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	4.68E-08	9.22E-08	0.00E+00	0.00E+00	1.39E-07
2190	500662.76	3732589.62	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
2191	500670.14	3732596.18	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
2192	500677.51	3732602.73	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
2193	500684.89	3732609.28	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.68E-08	0.00E+00	0.00E+00	1.31E-07
2194	500692.26	3732615.83	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.33E-08	8.53E-08	0.00E+00	0.00E+00	1.29E-07
2195	500699.64	3732622.39	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.27E-07
2196	500707.01	3732628.94	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.52E-07	4.19E-08	8.25E-08	0.00E+00	0.00E+00	1.24E-07
2197	500714.39	3732635.49	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
2198	500721.76	3732642.05	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	4.04E-08	7.96E-08	0.00E+00	0.00E+00	1.20E-07
2199	500729.14	3732648.6	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	3.96E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2200	500736.51	3732655.15	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.16E-07
2201	500743.89	3732661.71	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
2202	500751.26	3732668.26	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
2203	500758.64	3732674.81	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
2204	500766.01	3732681.37	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.60E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
2205	500773.39	3732687.92	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	3.52E-08	6.94E-08	0.00E+00	0.00E+00	1.05E-07
2206	500780.76	3732694.47	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.02E-07

2207	500788.14	3732701.03	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	3.38E-08	6.66E-08	0.00E+00	0.00E+00	1.00E-07
2208	500795.51	3732707.58	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
2209	500802.89	3732714.13	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
2210	500810.26	3732720.69	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
2211	500817.64	3732727.24	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
2212	500825.01	3732733.79	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.98E-08	0.00E+00	0.00E+00	9.02E-08
2213	500834.14	3732750.06	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
2214	500835.9	3732759.76	1.89E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
2215	500837.65	3732769.47	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.38E-08
2216	500839.41	3732779.18	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
2217	500841.16	3732788.89	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.20E-08
2218	500842.92	3732798.6	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.10E-08
2219	500844.67	3732808.31	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
2220	500846.43	3732818.02	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.67E-08	5.25E-08	0.00E+00	0.00E+00	7.92E-08
2221	500848.18	3732827.72	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
2222	500849.94	3732837.43	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.73E-08
2223	500851.69	3732847.14	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.57E-08	5.07E-08	0.00E+00	0.00E+00	7.64E-08
2224	500853.45	3732856.85	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.54E-08
2225	500855.2	3732866.56	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.45E-08
2226	500856.96	3732876.27	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.36E-08
2227	500858.71	3732885.98	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
2228	500860.47	3732895.68	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
2229	500862.22	3732905.39	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
2230	500863.98	3732915.1	1.57E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.64E-08	0.00E+00	0.00E+00	7.00E-08
2231	500865.73	3732924.81	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
2232	500867.49	3732934.52	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.82E-08
2233	500874.51	3732973.35	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.49E-08
2234	500876.26	3732983.06	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.41E-08
2235	500878.02	3732992.77	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.33E-08
2236	500879.77	3733002.48	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.25E-08
2237	500881.53	3733012.19	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
2238	500883.28	3733021.9	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
2239	500885.04	3733031.6	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
2240	500886.79	3733041.31	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.95E-08
2241	500888.55	3733051.02	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.87E-08
2242	500890.3	3733060.73	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.95E-08	3.85E-08	0.00E+00	0.00E+00	5.80E-08
2243	500892.06	3733070.44	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
2244	500893.81	3733080.15	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.67E-08
2245	500895.57	3733089.86	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.89E-08	3.71E-08	0.00E+00	0.00E+00	5.60E-08
2246	500897.32	3733099.56	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
2247	500899.08	3733109.27	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
2248	500900.83	3733118.98	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
2249	500902.59	3733128.69	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
2250	500904.34	3733138.4	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
2251	500906.1	3733148.11	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
2252	500907.85	3733157.82	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
2253	500909.61	3733167.52	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.72E-08	3.40E-08	0.00E+00	0.00E+00	5.12E-08
2254	500911.36	3733177.23	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
2255	500913.12	3733186.94	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.02E-08
2256	500914.87	3733196.65	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.30E-08	0.00E+00	0.00E+00	4.97E-08
2257	500916.63	3733206.36	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.66E-08	3.26E-08	0.00E+00	0.00E+00	4.92E-08
2258	500434.51	3732404.07	3.73E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	5.61E-08	1.10E-07	0.00E+00	0.00E+00	1.67E-07
2259	500425.38	3732400.28	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2260	500416.25	3732396.49	3.73E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2261	500407.13	3732392.7	3.73E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2262	500398	3732388.91	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2263	500388.87	3732385.12	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.61E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
2264	500379.75	3732381.33	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.01E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
2265	500370.62	3732377.54	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
2266	500361.5	3732373.74	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
2267	500352.37	3732369.95	3.69E-07	6.27E-07	0.00E+00	0.00E+00	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.27E-07	0.00E+00	0.00E+00	9.96E-07	5.55E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
2268	500343.24	3732366.16	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
2269	500334.12	3732362.37	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
2270	500324.99	3732358.58	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
2271	500315.87	3732354.79	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
2272	500306.74	3732351	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
2273	500297.61	3732347.21	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
2274	500288.49	3732343.42	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	5.31E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
2275	500279.36	3732339.62	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.45E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
2276	500270.23	3732335.83	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.37E-07	5.22E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2277	500261.11	3732332.04	3.43E-07	5.84E-07	0.00E+00	0.00E+00	9.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.84E-07	0.00E+00	0.00E+00	9.28E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
2278	500251.98	3732328.25	3.40E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
2279	500242.86	3732324.46	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	5.06E-08	9.97E-08	0.00E+00	0.00E+00	1.50E-07
2280	500233.73	3732320.67	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.00E-08	9.85E-08	0.00E+00	0.00E+00	1.49E-07
2281	500224.6	3732316.88	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.74E-08	0.00E+00	0.00E+00	1.47E-07
2282	500197.22	3732305.51	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.36E-08	0.00E+00	0.00E+00	1.41E-07
2283	500188.1	3732301.71	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	4.69E-08	9.24E-08	0.00E+00	0.00E+00	1.39E-07
2284	500178.97	3732297.92	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
2285	500169.85	3732294.13	3.02E-07	5.15E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.15E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.97E-08	0.00E+00	0.00E+00	1.35E-07
2286	500160.72	3732290.34	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	4.49E-08	8.84E-08	0.00E+00	0.00E+00	1.33E-07
2287	500151.59	3732286.55	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.42E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
2288	500142.47	3732282.76	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.35E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
2289	500133.34	3732278.97	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	4.27E-08	8.42E-08	0.00E+00	0.00E+00	1.27E-07
2290	500493.68	3732388.81	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.55E-07
2291	500501.01	3732395.32	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.34E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2292	500508.33	3732401.82	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.34E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2293	500530.31	3732421.35	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.31E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
2294	500537.63	3732427.86	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
2295	500544.96	3732434.37	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
2296	500552.28	3732440.88	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
2297	500559.61	3732447.39	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
2298	500566.93	3732453.9	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
2299	500574.26	3732460.41	3.36E-07	5.73E-07	0.00E+00	0.00E+00	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.73E-07	0.00E+00	0.00E+00	9.09E-07	5.07E-08	9.98E-08	0.00E+00	0.00E+00	1.50E-07
2300	500581.58	3732466.91	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.04E-07	5.04E-08	9.92E-08	0.00E+00	0.00E+00	1.50E-07
2301	500588.91	3732473.42	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.00E-08	9.85E-08	0.00E+00	0.00E+00	1.49E-07
2302	500596.23	3732479.93	3.30E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	4.97E-08	9.78E-08	0.00E+00	0.00E+00	1.47E-07
2303	500603.56	3732486.44	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	4.93E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
2304	500610.88	3732492.95	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	4.89E-08	9.62E-08	0.00E+00	0.00E+00	1.45E-07
2305	500618.21	3732499.46	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.54E-08	0.00E+00	0.00E+00	1.44E-07
2306	500625.53	3732505.97	3.19E-07	5.42E-07	0.00E+00	0.00E+00	8.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.42E-07	0.00E+00	0.00E+00	8.61E-07	4.80E-08	9.45E-08	0.00E+00	0.00E+00	1.42E-07
2307	500632.86	3732512.48	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	4.75E-08	9.35E-08	0.00E+00	0.00E+00	1.41E-07
2308	500640.19	3732518.99	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.43E-07	4.70E-08	9.25E-08	0.00E+00	0.00E+00	1.40E-07
2309	500647.51	3732525.5	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	4.65E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
2310	500654.84	3732532	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
2311	500662.16	3732538.51	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	4.54E-08	8.94E-08	0.00E+00	0.00E+00	1.35E-07
2312	500669.49	3732545.02	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.04E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
2313	500691.46	3732564.55	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.47E-08	0.00E+00	0.00E+00	1.28E-07
2314	500698.79	3732571.06	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
2315	500706.11	3732577.57	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	4.17E-08	8.22E-08	0.00E+00	0.00E+00	1.24E-07
2316	500713.44	3732584.08	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.11E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
2317	500720.76	3732590.58	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	4.04E-08	7.96E-08	0.00E+00	0.00E+00	1.20E-07
2318	500728.09	3732597.09	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	3.98E-08	7.83E-08	0.00E+00	0.00E+00	1.18E-07
2319	500735.41	3732603.6	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
2320	500742.74	3732610.11	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.90E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
2321	500750.06	3732616.62	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.44E-08	0.00E+00	0.00E+00	1.12E-07
2322	500757.39	3732623.13	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
2323	500764.71	3732629.64	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.64E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
2324	500772.04	3732636.15	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.04E-08	0.00E+00	0.00E+00	1.06E-07
2325	500779.36	3732642.66	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.91E-08	0.00E+00	0.00E+00	1.04E-07
2326	500786.69	3732649.17	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
2327	500794.01	3732655.67	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	3.38E-08	6.65E-08	0.00E+00	0.00E+00	1.00E-07
2328	500801.34	3732662.18	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
2329	500808.67	3732668.69	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.39E-08	0.00E+00	0.00E+00	9.64E-08
2330	500815.99	3732675.2	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
2331	500823.32	3732681.71	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.26E-08
2332	500830.64	3732688.22	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
2333	500837.97	3732694.73	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.89E-08
2334	500845.29	3732701.24	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
2335	500852.62	3732707.75	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
2336	500859.94	3732714.26	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.43E-08	0.00E+00	0.00E+00	8.18E-08

2337	500869.01	3732730.41	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.91E-08
2338	500870.75	3732740.05	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
2339	500872.5	3732749.69	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.14E-08	0.00E+00	0.00E+00	7.74E-08
2340	500874.24	3732759.34	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
2341	500875.98	3732768.98	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
2342	500877.73	3732778.62	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	2.53E-08	4.97E-08	0.00E+00	0.00E+00	7.50E-08
2343	500879.47	3732788.27	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.42E-08
2344	500881.21	3732797.91	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.34E-08
2345	500882.96	3732807.55	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08
2346	500884.7	3732817.19	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.17E-08
2347	500886.44	3732826.84	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
2348	500888.18	3732836.48	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
2349	500889.93	3732846.12	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.33E-08	4.60E-08	0.00E+00	0.00E+00	6.93E-08
2350	500891.67	3732855.77	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
2351	500893.41	3732865.41	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.77E-08
2352	500895.16	3732875.05	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
2353	500896.9	3732884.69	1.48E-07	2.52E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	3.99E-07	2.23E-08	4.38E-08	0.00E+00	0.00E+00	6.61E-08
2354	500898.64	3732894.34	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.53E-08
2355	500900.39	3732903.98	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
2356	500902.13	3732913.62	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.38E-08
2357	500903.87	3732923.27	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.30E-08
2358	500905.62	3732932.91	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.22E-08
2359	500912.59	3732971.48	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	2.00E-08	3.93E-08	0.00E+00	0.00E+00	5.93E-08
2360	500914.33	3732981.12	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
2361	500916.07	3732990.77	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.79E-08
2362	500917.82	3733000.41	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
2363	500919.56	3733010.05	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.65E-08
2364	500921.3	3733019.7	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
2365	500924.79	3733038.98	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
2366	500926.53	3733048.63	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.40E-08
2367	500928.28	3733058.27	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.33E-08
2368	500930.02	3733067.91	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.27E-08
2369	500931.76	3733077.55	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.21E-08
2370	500933.51	3733087.2	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.16E-08
2371	500935.25	3733096.84	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
2372	500936.99	3733106.48	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.04E-08
2373	500938.74	3733116.13	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
2374	500940.48	3733125.77	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.94E-08
2375	500942.22	3733135.41	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.65E-08	3.24E-08	0.00E+00	0.00E+00	4.89E-08
2376	500943.96	3733145.06	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
2377	500945.71	3733154.7	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
2378	500947.45	3733164.34	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.60E-08	3.14E-08	0.00E+00	0.00E+00	4.74E-08
2379	500949.19	3733173.98	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
2380	500950.94	3733183.63	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
2381	500952.68	3733193.27	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.61E-08
2382	500954.42	3733202.91	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.56E-08
2383	500956.17	3733212.56	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
2384	500486.36	3732382.3	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
2385	500477.23	3732378.51	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	5.22E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2386	500468.1	3732374.72	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2387	500458.98	3732370.92	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
2388	500449.85	3732367.13	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
2389	500440.72	3732363.34	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
2390	500431.6	3732359.55	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
2391	500422.47	3732355.76	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
2392	500413.35	3732351.97	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
2393	500404.22	3732348.18	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
2394	500395.09	3732344.39	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
2395	500385.97	3732340.6	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2396	500376.84	3732336.8	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
2397	500367.72	3732333.01	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
2398	500358.59	3732329.22	3.43E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
2399	500349.46	3732325.43	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
2400	500340.34	3732321.64	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
2401	500331.21	3732317.85	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.13E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
2402	500322.08	3732314.06	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
2403	500312.96	3732310.27	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.01E-07	5.02E-08	9.89E-08	0.00E+00	0.00E+00	1.49E-07
2404	500303.83	3732306.48	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
2405	500294.71	3732302.69	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.73E-08	0.00E+00	0.00E+00	1.47E-07
2406	500285.58	3732298.89	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
2407	500276.45	3732295.1	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.71E-07	4.85E-08	9.56E-08	0.00E+00	0.00E+00	1.44E-07
2408	500267.33	3732291.31	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
2409	500258.2	3732287.52	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.36E-08	0.00E+00	0.00E+00	1.41E-07
2410	500249.07	3732283.73	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	4.70E-08	9.26E-08	0.00E+00	0.00E+00	1.40E-07
2411	500239.95	3732279.94	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.34E-07	4.65E-08	9.16E-08	0.00E+00	0.00E+00	1.38E-07
2412	500230.82	3732276.15	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.25E-07	4.59E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
2413	500194.32	3732260.98	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
2414	500185.19	3732257.19	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
2415	500176.06	3732253.4	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
2416	500166.94	3732249.61	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
2417	500157.81	3732245.82	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.39E-07	4.12E-08	8.11E-08	0.00E+00	0.00E+00	1.22E-07
2418	500148.69	3732242.03	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
2419	500508.98	3732351.83	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
2420	500516.26	3732358.3	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
2421	500523.54	3732364.77	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
2422	500530.82	3732371.24	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
2423	500538.1	3732377.71	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
2424	500545.39	3732384.18	3.25E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	4.89E-08	9.63E-08	0.00E+00	0.00E+00	1.45E-07
2425	500567.23	3732403.58	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.70E-07	4.85E-08	9.55E-08	0.00E+00	0.00E+00	1.44E-07
2426	500589.07	3732422.99	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
2427	500596.35	3732429.46	3.16E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	4.76E-08	9.39E-08	0.00E+00	0.00E+00	1.41E-07
2428	500603.63	3732435.93	3.15E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	4.74E-08	9.33E-08	0.00E+00	0.00E+00	1.41E-07
2429	500610.91	3732442.4	3.13E-07	5.32E-07	0.00E+00	0.00E+00	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.32E-07	0.00E+00	0.00E+00	8.45E-07	4.71E-08	9.27E-08	0.00E+00	0.00E+00	1.40E-07
2430	500618.19	3732448.87	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	4.67E-08	9.20E-08	0.00E+00	0.00E+00	1.39E-07
2431	500625.47	3732455.34	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
2432	500632.76	3732461.81	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.06E-08	0.00E+00	0.00E+00	1.37E-07
2433	500640.04	3732468.28	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.56E-08	8.98E-08	0.00E+00	0.00E+00	1.35E-07
2434	500647.32	3732474.75	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
2435	500654.6	3732481.22	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
2436	500661.88	3732487.69	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
2437	500669.16	3732494.16	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
2438	500676.44	3732500.63	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.34E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
2439	500683.72	3732507.1	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.69E-07	4.29E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
2440	500691	3732513.57	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.24E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
2441	500698.28	3732520.04	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
2442	500705.56	3732526.5	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
2443	500712.84	3732532.97	2.71E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
2444	500741.97	3732558.85	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
2445	500749.25	3732565.32	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
2446	500756.53	3732571.79	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.11E-07
2447	500763.81	3732578.26	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
2448	500771.09	3732584.73	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
2449	500778.37	3732591.2	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	3.54E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
2450	500785.65	3732597.67	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
2451	500792.93	3732604.14	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
2452	500800.21	3732610.61	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
2453	500807.5	3732617.08	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
2454	500814.78	3732623.55	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
2455	500822.06	3732630.02	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
2456	500829.34	3732636.49	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.26E-08
2457	500836.62	3732642.96	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
2458	500843.9	3732649.43	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.91E-08
2459	500851.18	3732655.9	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
2460	500858.46	3732662.36	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.57E-08
2461	500865.74	3732668.83	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.26E-08
2462	500873.02	3732675.3	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
2463	500880.3	3732681.77	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
2464	500887.58	3732688.24	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.13E-08	0.00E+00	0.00E+00	7.74E-08
2465	500894.86	3732694.71	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
2466	500903.88	3732710.77	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.34E-08

2467	500905.61	3732720.35	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
2468	500907.34	3732729.94	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.42E-08	4.78E-08	0.00E+00	0.00E+00	7.20E-08
2469	500909.08	3732739.52	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.73E-08	0.00E+00	0.00E+00	7.13E-08
2470	500910.81	3732749.1	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.26E-07	2.38E-08	4.68E-08	0.00E+00	0.00E+00	7.05E-08
2471	500912.54	3732758.69	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
2472	500914.27	3732768.27	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
2473	500916.01	3732777.86	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
2474	500917.74	3732787.44	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.48E-08	0.00E+00	0.00E+00	6.76E-08
2475	500919.47	3732797.03	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
2476	500921.2	3732806.61	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.61E-08
2477	500922.94	3732816.2	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
2478	500924.67	3732825.78	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
2479	500926.4	3732835.37	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.40E-08
2480	500928.13	3732844.95	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.32E-08
2481	500929.87	3732854.53	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	2.11E-08	4.15E-08	0.00E+00	0.00E+00	6.25E-08
2482	500931.6	3732864.12	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.18E-08
2483	500933.33	3732873.7	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
2484	500935.06	3732883.29	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.01E-08	0.00E+00	0.00E+00	6.04E-08
2485	500936.8	3732892.87	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
2486	500938.53	3732902.46	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.91E-08	0.00E+00	0.00E+00	5.90E-08
2487	500940.26	3732912.04	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.96E-08	3.87E-08	0.00E+00	0.00E+00	5.83E-08
2488	500941.99	3732921.63	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
2489	500943.73	3732931.21	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
2490	500950.66	3732969.55	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
2491	500952.39	3732979.13	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
2492	500954.12	3732988.72	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.32E-08
2493	500955.86	3732998.3	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
2494	500957.59	3733007.89	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
2495	500959.32	3733017.47	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
2496	500961.05	3733027.06	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.09E-08
2497	500964.52	3733046.23	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.30E-08	0.00E+00	0.00E+00	4.98E-08
2498	500966.25	3733055.81	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.66E-08	3.26E-08	0.00E+00	0.00E+00	4.92E-08
2499	500967.98	3733065.39	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
2500	500969.72	3733074.98	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
2501	500971.45	3733084.56	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.61E-08	3.16E-08	0.00E+00	0.00E+00	4.77E-08
2502	500973.18	3733094.15	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
2503	500974.91	3733103.73	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
2504	500976.65	3733113.32	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.62E-08
2505	500978.38	3733122.9	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.58E-08
2506	500980.11	3733132.49	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
2507	500981.84	3733142.07	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.49E-08
2508	500983.58	3733151.65	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.44E-08
2509	500985.31	3733161.24	9.84E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
2510	500987.04	3733170.82	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
2511	500988.77	3733180.41	9.66E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	1.45E-08	2.87E-08	0.00E+00	0.00E+00	4.32E-08
2512	500990.51	3733189.99	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
2513	500992.24	3733199.58	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.24E-08
2514	500993.97	3733209.16	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.21E-08
2515	500995.7	3733218.75	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
2516	500501.7	3732345.36	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.77E-07	4.89E-08	9.63E-08	0.00E+00	0.00E+00	1.45E-07
2517	500492.57	3732341.57	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.66E-08	0.00E+00	0.00E+00	1.46E-07
2518	500483.45	3732337.78	3.26E-07	5.56E-07	0.00E+00	0.00E+00	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.56E-07	0.00E+00	0.00E+00	8.82E-07	4.92E-08	9.68E-08	0.00E+00	0.00E+00	1.46E-07
2519	500474.32	3732333.99	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	4.93E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
2520	500465.2	3732330.19	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.72E-08	0.00E+00	0.00E+00	1.47E-07
2521	500456.07	3732326.4	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	4.94E-08	9.73E-08	0.00E+00	0.00E+00	1.47E-07
2522	500446.94	3732322.61	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.73E-08	0.00E+00	0.00E+00	1.47E-07
2523	500437.82	3732318.82	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.73E-08	0.00E+00	0.00E+00	1.47E-07
2524	500428.69	3732315.03	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	4.94E-08	9.72E-08	0.00E+00	0.00E+00	1.47E-07
2525	500419.56	3732311.24	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
2526	500410.44	3732307.45	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.69E-08	0.00E+00	0.00E+00	1.46E-07
2527	500401.31	3732303.66	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	4.91E-08	9.67E-08	0.00E+00	0.00E+00	1.46E-07
2528	500392.19	3732299.87	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
2529	500383.06	3732296.07	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
2530	500373.93	3732292.28	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	4.85E-08	9.56E-08	0.00E+00	0.00E+00	1.44E-07
2531	500364.81	3732288.49	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	4.83E-08	9.51E-08	0.00E+00	0.00E+00	1.43E-07
2532	500355.68	3732284.7	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
2533	500346.56	3732280.91	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.78E-08	9.41E-08	0.00E+00	0.00E+00	1.42E-07
2534	500337.43	3732277.12	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	4.75E-08	9.35E-08	0.00E+00	0.00E+00	1.41E-07
2535	500328.3	3732273.33	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	4.71E-08	9.29E-08	0.00E+00	0.00E+00	1.40E-07
2536	500319.18	3732269.54	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	4.68E-08	9.22E-08	0.00E+00	0.00E+00	1.39E-07
2537	500310.05	3732265.75	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
2538	500300.92	3732261.95	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
2539	500291.8	3732258.16	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.56E-08	8.99E-08	0.00E+00	0.00E+00	1.36E-07
2540	500282.67	3732254.37	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.91E-08	0.00E+00	0.00E+00	1.34E-07
2541	500273.55	3732250.58	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.04E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
2542	500264.42	3732246.79	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
2543	500255.29	3732243	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
2544	500246.17	3732239.21	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.33E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
2545	500237.04	3732235.42	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	4.28E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
2546	500227.91	3732231.63	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.23E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
2547	500191.41	3732216.46	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	4.02E-08	7.91E-08	0.00E+00	0.00E+00	1.19E-07
2548	500182.28	3732212.67	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	3.96E-08	7.80E-08	0.00E+00	0.00E+00	1.18E-07
2549	500173.16	3732208.88	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
2550	500164.03	3732205.09	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
2551	500524.41	3732314.97	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
2552	500531.78	3732321.51	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
2553	500539.15	3732328.06	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
2554	500546.52	3732334.61	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
2555	500568.62	3732354.25	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	4.61E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
2556	500575.99	3732360.79	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	4.60E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
2557	500583.36	3732367.34	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	4.58E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
2558	500590.73	3732373.89	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
2559	500598.09	3732380.44	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.96E-08	0.00E+00	0.00E+00	1.35E-07
2560	500605.46	3732386.98	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.35E-07
2561	500612.83	3732393.53	2.99E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	4.51E-08	8.88E-08	0.00E+00	0.00E+00	1.34E-07
2562	500620.2	3732400.08	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	4.48E-08	8.83E-08	0.00E+00	0.00E+00	1.33E-07
2563	500649.67	3732426.27	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
2564	500657.04	3732432.81	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	4.33E-08	8.53E-08	0.00E+00	0.00E+00	1.29E-07
2565	500664.41	3732439.36	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.71E-07	4.29E-08	8.46E-08	0.00E+00	0.00E+00	1.28E-07
2566	500671.77	3732445.91	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.25E-08	8.38E-08	0.00E+00	0.00E+00	1.26E-07
2567	500679.14	3732452.45	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	4.21E-08	8.30E-08	0.00E+00	0.00E+00	1.25E-07
2568	500686.51	3732459	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	4.17E-08	8.22E-08	0.00E+00	0.00E+00	1.24E-07
2569	500693.88	3732465.55	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
2570	500701.25	3732472.09	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	4.08E-08	8.04E-08	0.00E+00	0.00E+00	1.21E-07
2571	500708.61	3732478.64	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.25E-07	4.04E-08	7.95E-08	0.00E+00	0.00E+00	1.20E-07
2572	500715.98	3732485.19	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.18E-07
2573	500723.35	3732491.74	2.62E-07	4.45E-07	0.00E+00	0.00E+00	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.45E-07	0.00E+00	0.00E+00	7.07E-07	3.94E-08	7.76E-08	0.00E+00	0.00E+00	1.17E-07
2574	500730.72	3732498.28	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.15E-07
2575	500738.09	3732504.83	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.56E-08	0.00E+00	0.00E+00	1.14E-07
2576	500745.46	3732511.38	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
2577	500752.82	3732517.92	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.35E-08	0.00E+00	0.00E+00	1.11E-07
2578	500760.19	3732524.47	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
2579	500767.56	3732531.02	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.14E-08	0.00E+00	0.00E+00	1.08E-07
2580	500789.66	3732550.66	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
2581	500797.03	3732557.21	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
2582	500804.4	3732563.75	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.35E-08	6.59E-08	0.00E+00	0.00E+00	9.93E-08
2583	500811.77	3732570.3	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
2584	500819.14	3732576.85	2.15E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	3.23E-08	6.37E-08	0.00E+00	0.00E+00	9.60E-08
2585	500826.5	3732583.39	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
2586	500833.87	3732589.94	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
2587	500841.24	3732596.49	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	3.06E-08	6.04E-08	0.00E+00	0.00E+00	9.10E-08
2588	500848.61	3732603.04	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
2589	500855.98	3732609.58	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	2.95E-08	5.82E-08	0.00E+00	0.00E+00	8.77E-08
2590	500863.34	3732616.13	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.50E-08
2591	500870.71	3732622.68	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.32E-08
2592	500878.08	3732629.22	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	2.74E-08	5.41E-08	0.00E+00	0.00E+00	8.15E-08
2593	500885.45	3732635.77	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.69E-08	5.29E-08	0.00E+00	0.00E+00	7.98E-08
2594	500892.82	3732642.32	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.72E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
2595	500900.18	3732648.86	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
2596	500907.55	3732655.41	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.50E-08

2597	500914.92	3732661.96	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.35E-08
2598	500922.29	3732668.51	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.20E-08
2599	500929.66	3732675.05	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.26E-07	2.38E-08	4.68E-08	0.00E+00	0.00E+00	7.06E-08
2600	500938.78	3732691.3	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.30E-08	4.54E-08	0.00E+00	0.00E+00	6.84E-08
2601	500940.53	3732701	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	2.28E-08	4.50E-08	0.00E+00	0.00E+00	6.78E-08
2602	500942.28	3732710.7	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.71E-08
2603	500944.04	3732720.4	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.64E-08
2604	500945.79	3732730.1	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.58E-08
2605	500947.54	3732739.8	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
2606	500949.3	3732749.5	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
2607	500951.05	3732759.19	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
2608	500952.8	3732768.89	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.31E-08
2609	500954.56	3732778.59	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
2610	500956.31	3732788.29	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
2611	500958.06	3732797.99	1.37E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
2612	500959.82	3732807.69	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.01E-08	0.00E+00	0.00E+00	6.04E-08
2613	500961.57	3732817.39	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
2614	500963.32	3732827.09	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
2615	500965.08	3732836.79	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.87E-08	0.00E+00	0.00E+00	5.84E-08
2616	500966.83	3732846.49	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08
2617	500968.58	3732856.19	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.79E-08	0.00E+00	0.00E+00	5.71E-08
2618	500970.34	3732865.89	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.65E-08
2619	500972.09	3732875.59	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.58E-08
2620	500973.84	3732885.29	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
2621	500975.6	3732894.99	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.45E-08
2622	500977.35	3732904.68	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
2623	500979.1	3732914.38	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
2624	500980.86	3732924.08	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
2625	500982.61	3732933.78	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
2626	500989.62	3732972.58	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.30E-08	0.00E+00	0.00E+00	4.98E-08
2627	500991.38	3732982.28	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
2628	500993.13	3732991.98	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
2629	500994.88	3733001.68	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
2630	501000.14	3733030.78	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
2631	501001.9	3733040.48	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
2632	501003.65	3733050.18	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.56E-08
2633	501024.69	3733166.57	9.06E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.69E-08	0.00E+00	0.00E+00	4.05E-08
2634	501028.2	3733185.97	8.92E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.99E-08
2635	501029.95	3733195.67	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.96E-08
2636	501031.7	3733205.37	8.78E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.93E-08
2637	501033.46	3733215.06	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	1.31E-08	2.59E-08	0.00E+00	0.00E+00	3.90E-08
2638	501035.21	3733224.76	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.87E-08
2639	500517.05	3732308.42	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	4.61E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
2640	500507.92	3732304.63	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
2641	500498.79	3732300.84	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	4.63E-08	9.12E-08	0.00E+00	0.00E+00	1.37E-07
2642	500489.67	3732297.05	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
2643	500480.54	3732293.25	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
2644	500471.41	3732289.46	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	4.65E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
2645	500462.29	3732285.67	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	4.65E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
2646	500453.16	3732281.88	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	4.65E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
2647	500444.04	3732278.09	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
2648	500434.91	3732274.3	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	4.64E-08	9.13E-08	0.00E+00	0.00E+00	1.38E-07
2649	500425.78	3732270.51	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	4.63E-08	9.11E-08	0.00E+00	0.00E+00	1.37E-07
2650	500416.66	3732266.72	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
2651	500407.53	3732262.93	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.06E-08	0.00E+00	0.00E+00	1.37E-07
2652	500398.4	3732259.13	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	4.58E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
2653	500389.28	3732255.34	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.57E-08	8.99E-08	0.00E+00	0.00E+00	1.36E-07
2654	500380.15	3732251.55	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
2655	500371.03	3732247.76	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.91E-08	0.00E+00	0.00E+00	1.34E-07
2656	500361.9	3732243.97	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	4.50E-08	8.86E-08	0.00E+00	0.00E+00	1.34E-07
2657	500352.77	3732240.18	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	4.47E-08	8.80E-08	0.00E+00	0.00E+00	1.33E-07
2658	500343.65	3732236.39	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	4.44E-08	8.74E-08	0.00E+00	0.00E+00	1.32E-07
2659	500334.52	3732232.6	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.91E-07	4.41E-08	8.68E-08	0.00E+00	0.00E+00	1.31E-07
2660	500325.4	3732228.81	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.37E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
2661	500316.27	3732225.01	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
2662	500307.14	3732221.22	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
2663	500298.02	3732217.43	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.27E-08	8.40E-08	0.00E+00	0.00E+00	1.27E-07
2664	500288.89	3732213.64	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.58E-07	4.23E-08	8.32E-08	0.00E+00	0.00E+00	1.25E-07
2665	500279.76	3732209.85	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
2666	500270.64	3732206.06	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.16E-08	0.00E+00	0.00E+00	1.23E-07
2667	500261.51	3732202.27	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
2668	500252.39	3732198.48	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
2669	500243.26	3732194.69	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	4.01E-08	7.89E-08	0.00E+00	0.00E+00	1.19E-07
2670	500234.13	3732190.9	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.96E-08	7.80E-08	0.00E+00	0.00E+00	1.18E-07
2671	500225.01	3732187.1	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
2672	500539.72	3732277.99	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	4.36E-08	8.58E-08	0.00E+00	0.00E+00	1.29E-07
2673	500547.04	3732284.5	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
2674	500569.02	3732304.02	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	4.37E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
2675	500576.34	3732310.53	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
2676	500583.67	3732317.04	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	4.36E-08	8.58E-08	0.00E+00	0.00E+00	1.29E-07
2677	500590.99	3732323.55	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
2678	500598.32	3732330.06	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
2679	500605.64	3732336.57	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.77E-07	4.33E-08	8.52E-08	0.00E+00	0.00E+00	1.29E-07
2680	500612.97	3732343.08	2.86E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	4.31E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
2681	500620.29	3732349.59	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	4.30E-08	8.46E-08	0.00E+00	0.00E+00	1.28E-07
2682	500627.62	3732356.1	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	4.28E-08	8.43E-08	0.00E+00	0.00E+00	1.27E-07
2683	500634.94	3732362.6	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.26E-07
2684	500642.27	3732369.11	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.24E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
2685	500649.59	3732375.62	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	4.21E-08	8.30E-08	0.00E+00	0.00E+00	1.25E-07
2686	500656.92	3732382.13	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
2687	500664.24	3732388.64	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
2688	500671.57	3732395.15	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
2689	500678.89	3732401.66	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
2690	500700.87	3732421.19	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.18E-07
2691	500708.2	3732427.69	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
2692	500715.52	3732434.2	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	3.91E-08	7.71E-08	0.00E+00	0.00E+00	1.16E-07
2693	500722.85	3732440.71	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	3.87E-08	7.63E-08	0.00E+00	0.00E+00	1.15E-07
2694	500730.17	3732447.22	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
2695	500737.5	3732453.73	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
2696	500744.82	3732460.24	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
2697	500752.15	3732466.75	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	3.69E-08	7.28E-08	0.00E+00	0.00E+00	1.10E-07
2698	500759.47	3732473.26	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	3.65E-08	7.19E-08	0.00E+00	0.00E+00	1.08E-07
2699	500766.8	3732479.77	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
2700	500774.12	3732486.28	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.55E-08	7.00E-08	0.00E+00	0.00E+00	1.06E-07
2701	500781.45	3732492.78	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
2702	500788.77	3732499.29	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
2703	500818.07	3732525.33	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.41E-08	0.00E+00	0.00E+00	9.66E-08
2704	500847.37	3732551.36	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.00E-08	0.00E+00	0.00E+00	9.05E-08
2705	500854.7	3732557.87	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
2706	500862.03	3732564.38	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	2.92E-08	5.74E-08	0.00E+00	0.00E+00	8.66E-08
2707	500869.35	3732570.89	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.14E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.50E-08
2708	500876.68	3732577.4	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	2.81E-08	5.53E-08	0.00E+00	0.00E+00	8.34E-08
2709	500884	3732583.91	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.42E-08	0.00E+00	0.00E+00	8.17E-08
2710	500891.33	3732590.42	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.01E-08
2711	500898.65	3732596.93	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.86E-08
2712	500905.98	3732603.44	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.71E-08
2713	500913.3	3732609.95	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.56E-08
2714	500920.63	3732616.45	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.42E-08
2715	500927.95	3732622.96	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.27E-08
2716	500935.28	3732629.47	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.73E-08	0.00E+00	0.00E+00	7.13E-08
2717	500942.6	3732635.98	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	2.35E-08	4.64E-08	0.00E+00	0.00E+00	6.99E-08
2718	500949.93	3732642.49	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08
2719	500957.25	3732649	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.46E-08	0.00E+00	0.00E+00	6.72E-08
2720	500964.58	3732655.51	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
2721	500973.65	3732671.66	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.40E-08
2722	500975.39	3732681.3	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.34E-08
2723	500977.13	3732690.95	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.28E-08
2724	500978.88	3732700.59	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.22E-08
2725	500980.62	3732710.23	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.15E-08
2726	500982.36	3732719.88	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08

2727	500984.11	3732729.52	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
2728	500985.85	3732739.16	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
2729	500987.59	3732748.8	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.90E-08
2730	500989.33	3732758.45	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.87E-08	0.00E+00	0.00E+00	5.84E-08
2731	500991.08	3732768.09	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.95E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08
2732	500992.82	3732777.73	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
2733	500994.56	3732787.38	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.65E-08
2734	500996.31	3732797.02	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
2735	500998.05	3732806.66	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
2736	500999.79	3732816.3	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
2737	501001.54	3732825.95	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
2738	501003.28	3732835.59	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
2739	501020.71	3732932.02	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.90E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
2740	501029.43	3732980.24	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
2741	501031.17	3732989.88	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
2742	501039.89	3733038.09	9.56E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
2743	501041.63	3733047.74	9.46E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.42E-08	2.81E-08	0.00E+00	0.00E+00	4.23E-08
2744	501046.86	3733076.67	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.73E-08	0.00E+00	0.00E+00	4.11E-08
2745	501048.6	3733086.31	9.10E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.07E-08
2746	501050.34	3733095.95	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.03E-08
2747	501052.09	3733105.59	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.65E-08	0.00E+00	0.00E+00	3.99E-08
2748	501053.83	3733115.24	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.96E-08
2749	501055.57	3733124.88	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
2750	501057.32	3733134.52	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
2751	501059.06	3733144.17	8.61E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.55E-08	0.00E+00	0.00E+00	3.85E-08
2752	501060.8	3733153.81	8.54E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.53E-08	0.00E+00	0.00E+00	3.82E-08
2753	501062.55	3733163.45	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
2754	500532.39	3732271.48	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
2755	500523.26	3732267.69	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
2756	500514.14	3732263.9	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	4.37E-08	8.61E-08	0.00E+00	0.00E+00	1.30E-07
2757	500505.01	3732260.11	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.38E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
2758	500495.89	3732256.31	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
2759	500486.76	3732252.52	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
2760	500477.63	3732248.73	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
2761	500468.51	3732244.94	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
2762	500459.38	3732241.15	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.38E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
2763	500450.25	3732237.36	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	4.37E-08	8.61E-08	0.00E+00	0.00E+00	1.30E-07
2764	500441.13	3732233.57	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
2765	500432	3732229.78	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
2766	500422.88	3732225.99	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.34E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
2767	500413.75	3732222.2	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
2768	500404.62	3732218.4	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.30E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
2769	500395.5	3732214.61	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	4.29E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
2770	500386.37	3732210.82	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.40E-08	0.00E+00	0.00E+00	1.27E-07
2771	500377.24	3732207.03	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
2772	500368.12	3732203.24	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.30E-08	0.00E+00	0.00E+00	1.25E-07
2773	500358.99	3732199.45	2.78E-07	4.74E-07	0.00E+00	0.00E+00	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.74E-07	0.00E+00	0.00E+00	7.52E-07	4.19E-08	8.25E-08	0.00E+00	0.00E+00	1.24E-07
2774	500349.87	3732195.66	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
2775	500340.74	3732191.87	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.14E-08	0.00E+00	0.00E+00	1.23E-07
2776	500331.61	3732188.08	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
2777	500322.49	3732184.28	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	4.07E-08	8.01E-08	0.00E+00	0.00E+00	1.21E-07
2778	500194.72	3732131.21	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
2779	500568.2	3732258.14	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
2780	500575.57	3732264.69	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
2781	500582.94	3732271.24	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
2782	500590.31	3732277.79	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
2783	500597.68	3732284.34	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	4.15E-08	8.18E-08	0.00E+00	0.00E+00	1.23E-07
2784	500605.05	3732290.89	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	4.15E-08	8.17E-08	0.00E+00	0.00E+00	1.23E-07
2785	500612.42	3732297.44	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
2786	500619.79	3732303.99	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
2787	500627.16	3732310.54	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
2788	500634.53	3732317.08	2.72E-07	4.64E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.64E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.08E-08	0.00E+00	0.00E+00	1.22E-07
2789	500641.9	3732323.63	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	4.08E-08	8.05E-08	0.00E+00	0.00E+00	1.21E-07
2790	500649.27	3732330.18	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	4.07E-08	8.01E-08	0.00E+00	0.00E+00	1.21E-07
2791	500656.64	3732336.73	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	4.05E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
2792	500664.01	3732343.28	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.03E-08	7.93E-08	0.00E+00	0.00E+00	1.20E-07
2793	500671.39	3732349.83	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
2794	500678.76	3732356.38	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	3.98E-08	7.83E-08	0.00E+00	0.00E+00	1.18E-07
2795	500686.13	3732362.93	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
2796	500693.5	3732369.48	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.73E-08	0.00E+00	0.00E+00	1.16E-07
2797	500700.87	3732376.03	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.67E-08	0.00E+00	0.00E+00	1.16E-07
2798	500708.24	3732382.57	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.60E-08	0.00E+00	0.00E+00	1.15E-07
2799	500715.61	3732389.12	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
2800	500722.98	3732395.67	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	3.79E-08	7.47E-08	0.00E+00	0.00E+00	1.13E-07
2801	500730.35	3732402.22	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
2802	500752.46	3732421.87	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.53E-07	3.64E-08	7.17E-08	0.00E+00	0.00E+00	1.08E-07
2803	500759.83	3732428.42	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
2804	500767.2	3732434.97	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
2805	500774.57	3732441.52	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
2806	500781.94	3732448.06	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
2807	500789.31	3732454.61	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
2808	500818.79	3732480.81	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
2809	500826.16	3732487.36	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.30E-08	0.00E+00	0.00E+00	9.49E-08
2810	500833.53	3732493.91	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
2811	500840.9	3732500.46	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
2812	500848.27	3732507	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
2813	500855.64	3732513.55	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.92E-08	0.00E+00	0.00E+00	8.93E-08
2814	500863.01	3732520.1	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.72E-08
2815	500870.38	3732526.65	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
2816	500899.86	3732552.85	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
2817	500907.23	3732559.4	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.72E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
2818	500914.6	3732565.95	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
2819	500921.97	3732572.49	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.53E-08
2820	500929.34	3732579.04	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
2821	500936.71	3732585.59	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08
2822	500944.08	3732592.14	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	2.40E-08	4.72E-08	0.00E+00	0.00E+00	7.11E-08
2823	500951.45	3732598.69	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
2824	500958.82	3732605.24	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
2825	500966.19	3732611.79	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.72E-08
2826	500973.56	3732618.34	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
2827	500980.93	3732624.89	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.46E-08
2828	500988.3	3732631.44	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.33E-08
2829	500995.67	3732637.98	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.21E-08
2830	501022.34	3732751.26	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
2831	501024.09	3732760.96	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
2832	501025.85	3732770.66	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.33E-08
2833	501027.6	3732780.36	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.27E-08
2834	501029.35	3732790.07	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.22E-08
2835	501031.11	3732799.77	1.15E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.16E-08
2836	501032.86	3732809.47	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
2837	501034.61	3732819.17	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.06E-08
2838	501036.37	3732828.88	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
2839	501038.12	3732838.58	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.28E-08	0.00E+00	0.00E+00	4.95E-08
2840	501039.88	3732848.28	1.10E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
2841	501041.63	3732857.98	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
2842	501043.38	3732867.68	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
2843	501045.14	3732877.39	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.74E-08
2844	501046.89	3732887.09	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
2845	501092.49	3733139.35	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.41E-08	0.00E+00	0.00E+00	3.64E-08
2846	501103.01	3733197.56	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.47E-08
2847	501104.77	3733207.26	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
2848	501106.52	3733216.96	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
2849	500546.09	3732238.5	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
2850	500536.97	3732234.71	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	4.15E-08	8.17E-08	0.00E+00	0.00E+00	1.23E-07
2851	500527.84	3732230.92	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
2852	500518.71	3732227.12	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
2853	500509.59	3732223.33	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
2854	500500.46	3732219.54	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
2855	500491.33	3732215.75	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
2856	500482.21	3732211.96	2.76E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07

2857	500473.08	3732208.17	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
2858	500463.96	3732204.38	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	4.15E-08	8.18E-08	0.00E+00	0.00E+00	1.23E-07
2859	500454.83	3732200.59	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.44E-07	4.14E-08	8.16E-08	0.00E+00	0.00E+00	1.23E-07
2860	500445.7	3732196.8	2.75E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	4.13E-08	8.14E-08	0.00E+00	0.00E+00	1.23E-07
2861	500436.58	3732193	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
2862	500427.45	3732189.21	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.11E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
2863	500418.32	3732185.42	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.06E-08	0.00E+00	0.00E+00	1.22E-07
2864	500409.2	3732181.63	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
2865	500290.56	3732132.35	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.64E-07	3.70E-08	7.29E-08	0.00E+00	0.00E+00	1.10E-07
2866	500281.43	3732128.56	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	3.66E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
2867	500272.3	3732124.76	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	3.63E-08	7.14E-08	0.00E+00	0.00E+00	1.08E-07
2868	500263.18	3732120.97	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
2869	500567.09	3732212	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
2870	500574.39	3732218.49	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.10E-07	3.96E-08	7.80E-08	0.00E+00	0.00E+00	1.18E-07
2871	500581.69	3732224.97	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	3.96E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2872	500588.99	3732231.46	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2873	500596.28	3732237.94	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2874	500603.58	3732244.43	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	3.96E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2875	500610.88	3732250.91	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	3.96E-08	7.80E-08	0.00E+00	0.00E+00	1.18E-07
2876	500618.18	3732257.4	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.96E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
2877	500625.48	3732263.88	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
2878	500632.78	3732270.37	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.07E-07	3.94E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
2879	500640.07	3732276.85	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
2880	500647.37	3732283.34	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
2881	500654.67	3732289.82	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
2882	500661.97	3732296.31	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	3.89E-08	7.67E-08	0.00E+00	0.00E+00	1.16E-07
2883	500669.27	3732302.79	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.63E-08	0.00E+00	0.00E+00	1.15E-07
2884	500676.57	3732309.28	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.86E-08	7.60E-08	0.00E+00	0.00E+00	1.15E-07
2885	500683.86	3732315.76	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.56E-08	0.00E+00	0.00E+00	1.14E-07
2886	500691.16	3732322.25	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
2887	500698.46	3732328.73	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	3.79E-08	7.47E-08	0.00E+00	0.00E+00	1.13E-07
2888	500705.76	3732335.22	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
2889	500713.06	3732341.7	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
2890	500720.36	3732348.19	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.67E-07	3.71E-08	7.32E-08	0.00E+00	0.00E+00	1.10E-07
2891	500727.65	3732354.67	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.26E-08	0.00E+00	0.00E+00	1.09E-07
2892	500734.95	3732361.16	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	3.65E-08	7.20E-08	0.00E+00	0.00E+00	1.09E-07
2893	500742.25	3732367.64	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.14E-08	0.00E+00	0.00E+00	1.08E-07
2894	500749.55	3732374.13	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
2895	500756.85	3732380.61	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.56E-08	7.00E-08	0.00E+00	0.00E+00	1.06E-07
2896	500764.15	3732387.1	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	3.52E-08	6.93E-08	0.00E+00	0.00E+00	1.05E-07
2897	500771.45	3732393.58	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
2898	500778.74	3732400.07	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
2899	500786.04	3732406.55	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
2900	500815.24	3732432.49	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.64E-08
2901	500822.53	3732438.98	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.52E-08
2902	500829.83	3732445.47	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.40E-08
2903	500837.13	3732451.95	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
2904	500844.43	3732458.44	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.08E-08	6.06E-08	0.00E+00	0.00E+00	9.14E-08
2905	500851.73	3732464.92	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	3.03E-08	5.98E-08	0.00E+00	0.00E+00	9.01E-08
2906	500859.03	3732471.41	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.88E-08
2907	500866.32	3732477.89	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.75E-08
2908	500873.62	3732484.38	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.62E-08
2909	500880.92	3732490.86	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.49E-08
2910	500888.22	3732497.35	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.30E-08
2911	500895.52	3732503.83	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.15E-08
2912	500902.82	3732510.32	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
2913	500910.11	3732516.8	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.87E-08
2914	500917.41	3732523.29	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.73E-08
2915	500924.71	3732529.77	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
2916	500946.61	3732549.23	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.42E-08	4.77E-08	0.00E+00	0.00E+00	7.20E-08
2917	500953.9	3732555.71	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.07E-08
2918	500961.2	3732562.2	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
2919	500968.5	3732568.68	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	2.29E-08	4.52E-08	0.00E+00	0.00E+00	6.81E-08
2920	500975.8	3732575.17	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
2921	500983.1	3732581.65	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
2922	500990.4	3732588.14	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
2923	500997.7	3732594.62	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.32E-08
2924	501026.89	3732620.56	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
2925	501035.92	3732636.66	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
2926	501037.66	3732646.26	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.73E-08	0.00E+00	0.00E+00	5.63E-08
2927	501039.4	3732655.87	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.58E-08
2928	501041.13	3732665.48	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
2929	501042.87	3732675.09	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
2930	501044.61	3732684.69	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
2931	501046.34	3732694.3	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.37E-08
2932	501048.08	3732703.91	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.31E-08
2933	501049.82	3732713.52	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
2934	501051.55	3732723.13	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.75E-08	3.46E-08	0.00E+00	0.00E+00	5.21E-08
2935	501053.29	3732732.73	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.16E-08
2936	501055.03	3732742.34	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
2937	501056.76	3732751.95	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.06E-08
2938	501058.5	3732761.56	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
2939	501060.24	3732771.16	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
2940	501061.97	3732780.77	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.91E-08
2941	501063.71	3732790.38	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.64E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
2942	501065.45	3732799.99	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
2943	501067.19	3732809.59	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
2944	501068.92	3732819.2	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.12E-08	0.00E+00	0.00E+00	4.71E-08
2945	501070.66	3732828.81	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
2946	501072.4	3732838.42	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
2947	501074.13	3732848.02	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
2948	501075.87	3732857.63	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
2949	501077.61	3732867.24	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
2950	501079.34	3732876.85	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
2951	501138.39	3733203.51	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
2952	501140.13	3733213.12	7.24E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
2953	501141.86	3733222.72	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
2954	501145.34	3733241.94	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.17E-08
2955	500559.79	3732205.52	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.94E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
2956	500550.67	3732201.72	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
2957	500541.54	3732197.93	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.10E-07	3.96E-08	7.80E-08	0.00E+00	0.00E+00	1.18E-07
2958	500532.41	3732194.14	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	3.96E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2959	500523.29	3732190.35	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2960	500514.16	3732186.56	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2961	500505.03	3732182.77	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
2962	500386.39	3732133.49	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	3.80E-08	7.48E-08	0.00E+00	0.00E+00	1.13E-07
2963	500377.27	3732129.69	2.51E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	3.77E-08	7.43E-08	0.00E+00	0.00E+00	1.12E-07
2964	500368.14	3732125.9	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.72E-07	3.75E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
2965	500359.02	3732122.11	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.10E-07
2966	500349.89	3732118.32	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.63E-07	3.69E-08	7.27E-08	0.00E+00	0.00E+00	1.10E-07
2967	500340.76	3732114.53	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
2968	500331.64	3732110.74	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	3.63E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
2969	500322.51	3732106.95	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
2970	500313.38	3732103.16	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.03E-08	0.00E+00	0.00E+00	1.06E-07
2971	500304.26	3732099.37	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
2972	500295.13	3732095.57	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
2973	500286.01	3732091.78	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	3.47E-08	6.83E-08	0.00E+00	0.00E+00	1.03E-07
2974	500276.88	3732087.99	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
2975	500267.75	3732084.2	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
2976	500258.63	3732080.41	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.61E-08	0.00E+00	0.00E+00	9.97E-08
2977	500588.17	3732185.58	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.44E-08	0.00E+00	0.00E+00	1.12E-07
2978	500595.52	3732192.1	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
2979	500602.86	3732198.63	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
2980	500610.2	3732205.15	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
2981	500617.54	3732211.67	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
2982	500624.88	3732218.19	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
2983	500632.22	3732224.72	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
2984	500639.56	3732231.24	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.44E-08	0.00E+00	0.00E+00	1.12E-07
2985	500646.9	3732237.76	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
2986	500654.24	3732244.29	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.41E-08	0.00E+00	0.00E+00	1.12E-07

2987	500661.58	3732250.81	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.39E-08	0.00E+00	0.00E+00	1.11E-07
2988	500668.92	3732257.33	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
2989	500676.26	3732263.85	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
2990	500683.61	3732270.38	2.46E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
2991	500690.95	3732276.9	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	3.69E-08	7.28E-08	0.00E+00	0.00E+00	1.10E-07
2992	500698.29	3732283.42	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
2993	500705.63	3732289.95	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.56E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
2994	500712.97	3732296.47	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	3.64E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
2995	500720.31	3732302.99	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.61E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
2996	500727.65	3732309.51	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
2997	500734.99	3732316.04	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	3.57E-08	7.02E-08	0.00E+00	0.00E+00	1.06E-07
2998	500742.33	3732322.56	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
2999	500749.67	3732329.08	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
3000	500757.01	3732335.6	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
3001	500764.35	3732342.13	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
3002	500771.7	3732348.65	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
3003	500779.04	3732355.17	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
3004	500786.38	3732361.7	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.36E-08	6.61E-08	0.00E+00	0.00E+00	9.97E-08
3005	500793.72	3732368.22	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3006	500815.74	3732387.79	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.55E-08
3007	500823.08	3732394.31	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
3008	500830.42	3732400.83	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
3009	500837.76	3732407.36	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
3010	500845.1	3732413.88	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
3011	500852.44	3732420.4	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.97E-08
3012	500859.79	3732426.92	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.87E-08	0.00E+00	0.00E+00	8.85E-08
3013	500867.13	3732433.45	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
3014	500874.47	3732439.97	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
3015	500881.81	3732446.49	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.49E-08
3016	500889.15	3732453.02	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
3017	500896.49	3732459.54	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.20E-08
3018	500903.83	3732466.06	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.06E-08
3019	500911.17	3732472.58	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
3020	500918.51	3732479.11	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.63E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
3021	500925.85	3732485.63	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
3022	500933.19	3732492.15	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.54E-08
3023	500940.53	3732498.68	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.41E-08
3024	500947.88	3732505.2	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.28E-08
3025	500955.22	3732511.72	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
3026	500962.56	3732518.24	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.03E-08
3027	500969.9	3732524.77	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
3028	500977.24	3732531.29	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	2.29E-08	4.50E-08	0.00E+00	0.00E+00	6.79E-08
3029	500991.92	3732544.34	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.34E-08	0.00E+00	0.00E+00	6.55E-08
3030	500999.26	3732550.86	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.43E-08
3031	501028.62	3732576.95	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.98E-08
3032	501035.97	3732583.47	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.89E-08	0.00E+00	0.00E+00	5.87E-08
3033	501043.31	3732590	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.76E-08
3034	501050.65	3732596.52	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.64E-08
3035	501057.99	3732603.04	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
3036	501067.08	3732619.23	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
3037	501068.82	3732628.89	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.33E-08
3038	501070.57	3732638.56	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
3039	501072.32	3732648.22	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
3040	501074.06	3732657.88	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
3041	501075.81	3732667.55	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.13E-08
3042	501077.56	3732677.21	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.09E-08
3043	501079.3	3732686.87	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.04E-08
3044	501081.05	3732696.54	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
3045	501082.8	3732706.2	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	1.66E-08	3.28E-08	0.00E+00	0.00E+00	4.94E-08
3046	501084.54	3732715.86	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.89E-08
3047	501086.29	3732725.53	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.85E-08
3048	501088.04	3732735.19	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
3049	501089.78	3732744.85	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
3050	501091.53	3732754.52	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
3051	501093.28	3732764.18	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
3052	501095.03	3732773.84	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
3053	501096.77	3732783.51	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
3054	501098.52	3732793.17	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
3055	501100.27	3732802.84	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
3056	501102.01	3732812.5	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
3057	501103.76	3732822.16	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
3058	501105.51	3732831.83	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
3059	501107.25	3732841.49	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
3060	501109	3732851.15	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.26E-08
3061	501110.75	3732860.82	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
3062	500482.23	3732134.62	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
3063	500473.1	3732130.83	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.39E-08	0.00E+00	0.00E+00	1.11E-07
3064	500463.98	3732127.04	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
3065	500454.85	3732123.25	2.48E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
3066	500445.73	3732119.46	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
3067	500436.6	3732115.67	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	3.70E-08	7.28E-08	0.00E+00	0.00E+00	1.10E-07
3068	500427.47	3732111.88	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
3069	500418.35	3732108.09	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
3070	500409.22	3732104.29	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.64E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
3071	500400.09	3732100.5	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.08E-07
3072	500390.97	3732096.71	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
3073	500381.84	3732092.92	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.04E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.04E-08	0.00E+00	0.00E+00	1.06E-07
3074	500372.72	3732089.13	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.37E-07	3.55E-08	7.00E-08	0.00E+00	0.00E+00	1.05E-07
3075	500363.59	3732085.34	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
3076	500354.46	3732081.55	2.32E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.89E-08	0.00E+00	0.00E+00	1.04E-07
3077	500345.34	3732077.76	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
3078	500336.21	3732073.97	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
3079	500327.09	3732070.17	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
3080	500317.96	3732066.38	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	3.38E-08	6.66E-08	0.00E+00	0.00E+00	1.00E-07
3081	500308.83	3732062.59	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.60E-08	0.00E+00	0.00E+00	9.95E-08
3082	500299.71	3732058.8	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3083	500290.58	3732055.01	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.47E-08	0.00E+00	0.00E+00	9.76E-08
3084	500281.45	3732051.22	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.41E-08	0.00E+00	0.00E+00	9.66E-08
3085	500272.33	3732047.43	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.56E-08
3086	500638.86	3732185.46	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.07E-07
3087	500646.24	3732192.02	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.62E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
3088	500653.62	3732198.58	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
3089	500661	3732205.14	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
3090	500668.38	3732211.69	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
3091	500675.76	3732218.25	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.59E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
3092	500683.14	3732224.81	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.06E-08	0.00E+00	0.00E+00	1.06E-07
3093	500690.53	3732231.37	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.03E-08	0.00E+00	0.00E+00	1.06E-07
3094	500697.91	3732237.93	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
3095	500705.29	3732244.49	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	3.54E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
3096	500712.67	3732251.04	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
3097	500720.05	3732257.6	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.91E-08	0.00E+00	0.00E+00	1.04E-07
3098	500727.43	3732264.16	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
3099	500734.81	3732270.72	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
3100	500742.19	3732277.28	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.02E-07
3101	500749.57	3732283.84	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
3102	500756.95	3732290.39	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
3103	500764.33	3732296.95	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	3.38E-08	6.65E-08	0.00E+00	0.00E+00	1.00E-07
3104	500771.71	3732303.51	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.60E-08	0.00E+00	0.00E+00	9.95E-08
3105	500779.1	3732310.07	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
3106	500786.48	3732316.63	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.79E-08
3107	500793.86	3732323.19	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.27E-08	6.43E-08	0.00E+00	0.00E+00	9.70E-08
3108	500816	3732342.86	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
3109	500823.38	3732349.42	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
3110	500830.76	3732355.98	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.12E-08	0.00E+00	0.00E+00	9.22E-08
3111	500838.14	3732362.54	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.05E-08	0.00E+00	0.00E+00	9.12E-08
3112	500845.52	3732369.1	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.98E-08	0.00E+00	0.00E+00	9.01E-08
3113	500852.9	3732375.65	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.91E-08
3114	500860.28	3732382.21	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.96E-08	5.84E-08	0.00E+00	0.00E+00	8.80E-08
3115	500867.67	3732388.77	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
3116	500875.05	3732395.33	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.58E-08

3117	500882.43	3732401.89	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
3118	500889.81	3732408.45	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.36E-08
3119	500897.19	3732415	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
3120	500904.57	3732421.56	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
3121	500911.95	3732428.12	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.97E-08
3122	500919.33	3732434.68	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.84E-08
3123	500926.71	3732441.24	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
3124	500934.09	3732447.8	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
3125	500941.47	3732454.35	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.47E-08
3126	500948.85	3732460.91	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.35E-08
3127	500956.23	3732467.47	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.23E-08
3128	500963.62	3732474.03	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	2.39E-08	4.72E-08	0.00E+00	0.00E+00	7.11E-08
3129	500971	3732480.59	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	2.35E-08	4.64E-08	0.00E+00	0.00E+00	6.99E-08
3130	500978.38	3732487.15	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
3131	500985.76	3732493.7	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.28E-08	4.48E-08	0.00E+00	0.00E+00	6.76E-08
3132	500993.14	3732500.26	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.64E-08
3133	501000.52	3732506.82	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.53E-08
3134	501007.9	3732513.38	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.41E-08
3135	501015.28	3732519.94	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.30E-08
3136	501022.66	3732526.5	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.11E-08	0.00E+00	0.00E+00	6.19E-08
3137	501052.19	3732552.73	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.75E-08
3138	501059.57	3732559.29	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.64E-08
3139	501066.95	3732565.85	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.54E-08
3140	501074.33	3732572.41	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
3141	501081.71	3732578.96	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
3142	501089.09	3732585.52	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.17E-07	1.76E-08	3.48E-08	0.00E+00	0.00E+00	5.24E-08
3143	501098.23	3732601.8	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
3144	501099.98	3732611.51	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.06E-08
3145	501101.74	3732621.23	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
3146	501103.5	3732630.94	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
3147	501105.25	3732640.66	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.66E-08	3.26E-08	0.00E+00	0.00E+00	4.92E-08
3148	501107.01	3732650.38	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
3149	501108.77	3732660.09	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
3150	501110.52	3732669.81	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
3151	501112.28	3732679.53	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.60E-08	3.14E-08	0.00E+00	0.00E+00	4.74E-08
3152	501114.03	3732689.24	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
3153	501115.79	3732698.96	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
3154	501117.55	3732708.67	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
3155	501119.3	3732718.39	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.02E-08	0.00E+00	0.00E+00	4.56E-08
3156	501121.06	3732728.11	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
3157	501122.82	3732737.82	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
3158	501124.57	3732747.54	9.90E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
3159	501126.33	3732757.26	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
3160	501128.08	3732766.97	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
3161	501129.84	3732776.69	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
3162	501131.6	3732786.4	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.26E-08
3163	501133.35	3732796.12	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
3164	501135.11	3732805.84	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
3165	501136.87	3732815.55	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
3166	501138.62	3732825.27	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
3167	501140.38	3732834.98	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.69E-08	0.00E+00	0.00E+00	4.05E-08
3168	501142.14	3732844.7	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
3169	501143.89	3732854.42	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
3170	501207.12	3733204.2	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.80E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
3171	501208.88	3733213.92	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.73E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
3172	501210.63	3733223.63	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.67E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
3173	501212.39	3733233.35	6.38E-08	1.09E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-08	1.09E-07	0.00E+00	0.00E+00	1.72E-07	9.60E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
3174	501214.15	3733243.06	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.54E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
3175	501215.9	3733252.78	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.48E-09	1.87E-08	0.00E+00	0.00E+00	2.81E-08
3176	500568.94	3732131.97	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	3.61E-08	7.10E-08	0.00E+00	0.00E+00	1.07E-07
3177	500559.82	3732128.18	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
3178	500550.69	3732124.39	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
3179	500541.56	3732120.6	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
3180	500532.44	3732116.81	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
3181	500523.31	3732113.01	2.39E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	3.61E-08	7.10E-08	0.00E+00	0.00E+00	1.07E-07
3182	500514.18	3732109.22	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
3183	500505.06	3732105.43	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.60E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
3184	500495.93	3732101.64	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
3185	500486.81	3732097.85	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
3186	500477.68	3732094.06	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	3.57E-08	7.03E-08	0.00E+00	0.00E+00	1.06E-07
3187	500468.55	3732090.27	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
3188	500459.43	3732086.48	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	3.54E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
3189	500450.3	3732082.69	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
3190	500441.17	3732078.89	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
3191	500432.05	3732075.1	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.89E-08	0.00E+00	0.00E+00	1.04E-07
3192	500422.92	3732071.31	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.24E-07	3.48E-08	6.85E-08	0.00E+00	0.00E+00	1.03E-07
3193	500413.8	3732067.52	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
3194	500404.67	3732063.73	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
3195	500395.54	3732059.94	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.02E-07
3196	500386.42	3732056.15	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.40E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
3197	500377.29	3732052.36	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	3.37E-08	6.64E-08	0.00E+00	0.00E+00	1.00E-07
3198	500368.16	3732048.57	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.59E-08	0.00E+00	0.00E+00	9.94E-08
3199	500359.04	3732044.77	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3200	500349.91	3732040.98	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.78E-08
3201	500340.79	3732037.19	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.27E-08	6.43E-08	0.00E+00	0.00E+00	9.70E-08
3202	500331.66	3732033.4	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
3203	500322.53	3732029.61	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
3204	500313.41	3732025.82	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
3205	500304.28	3732022.03	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
3206	500295.15	3732018.24	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.26E-08
3207	500286.03	3732014.45	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.08E-08	0.00E+00	0.00E+00	9.17E-08
3208	500608.21	3732113.07	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
3209	500615.53	3732119.57	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
3210	500622.84	3732126.07	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
3211	500630.16	3732132.57	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
3212	500688.68	3732184.57	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
3213	500696	3732191.07	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
3214	500703.31	3732197.58	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
3215	500710.63	3732204.08	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
3216	500717.94	3732210.58	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
3217	500725.26	3732217.08	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
3218	500732.57	3732223.58	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	3.37E-08	6.65E-08	0.00E+00	0.00E+00	1.00E-07
3219	500739.89	3732230.08	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.97E-08
3220	500747.21	3732236.58	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.92E-08
3221	500754.52	3732243.08	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3222	500761.84	3732249.58	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
3223	500769.15	3732256.08	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.74E-08
3224	500776.47	3732262.58	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	3.26E-08	6.42E-08	0.00E+00	0.00E+00	9.68E-08
3225	500783.78	3732269.08	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.23E-08	6.37E-08	0.00E+00	0.00E+00	9.61E-08
3226	500791.1	3732275.58	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.54E-08
3227	500820.36	3732301.58	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.22E-08
3228	500827.68	3732308.08	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.08E-08	6.06E-08	0.00E+00	0.00E+00	9.13E-08
3229	500834.99	3732314.58	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.00E-08	0.00E+00	0.00E+00	9.05E-08
3230	500842.31	3732321.08	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.02E-08	5.94E-08	0.00E+00	0.00E+00	8.96E-08
3231	500849.62	3732327.58	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
3232	500856.94	3732334.08	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	2.95E-08	5.82E-08	0.00E+00	0.00E+00	8.77E-08
3233	500864.25	3732340.58	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	2.92E-08	5.75E-08	0.00E+00	0.00E+00	8.67E-08
3234	500871.57	3732347.08	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.57E-08
3235	500878.88	3732353.58	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.48E-08
3236	500886.2	3732360.08	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
3237	500893.52	3732366.58	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.27E-08
3238	500900.83	3732373.08	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
3239	500908.15	3732379.59	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
3240	500915.46	3732386.09	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
3241	500922.78	3732392.59	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
3242	500930.09	3732399.09	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	2.59E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
3243	500937.41	3732405.59	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.59E-08
3244	500944.72	3732412.09	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.48E-08
3245	500952.04	3732418.59	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
3246	500959.36	3732425.09	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08

3247	500966.67	3732431.59	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.74E-08	0.00E+00	0.00E+00	7.14E-08
3248	500973.99	3732438.09	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.66E-08	0.00E+00	0.00E+00	7.03E-08
3249	500981.3	3732444.59	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
3250	500988.62	3732451.09	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
3251	500995.93	3732457.59	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
3252	501003.25	3732464.09	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.58E-08
3253	501010.56	3732470.59	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.48E-08
3254	501017.88	3732477.09	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.37E-08
3255	501025.2	3732483.59	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	2.11E-08	4.15E-08	0.00E+00	0.00E+00	6.26E-08
3256	501032.51	3732490.09	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.16E-08
3257	501039.83	3732496.59	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.05E-08
3258	501047.14	3732503.09	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
3259	501054.46	3732509.59	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.87E-08	0.00E+00	0.00E+00	5.84E-08
3260	501061.77	3732516.09	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
3261	501069.09	3732522.59	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.63E-08
3262	501076.4	3732529.09	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
3263	501083.72	3732535.59	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
3264	501120.3	3732568.1	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	1.67E-08	3.30E-08	0.00E+00	0.00E+00	4.97E-08
3265	501129.35	3732584.23	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.85E-08
3266	501131.09	3732593.86	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.80E-08
3267	501132.83	3732603.49	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
3268	501134.58	3732613.12	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
3269	501136.32	3732622.75	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
3270	501138.06	3732632.38	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
3271	501139.8	3732642.01	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.59E-08
3272	501141.54	3732651.64	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
3273	501143.28	3732661.27	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.50E-08
3274	501145.02	3732670.9	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
3275	501146.76	3732680.53	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
3276	501148.5	3732690.16	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
3277	501150.24	3732699.79	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
3278	501151.98	3732709.42	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
3279	501153.72	3732719.05	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
3280	501155.47	3732728.68	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.21E-08
3281	501157.21	3732738.31	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.17E-08
3282	501158.95	3732747.94	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
3283	501160.69	3732757.57	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
3284	501162.43	3732767.2	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.05E-08
3285	501164.17	3732776.83	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
3286	501165.91	3732786.46	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
3287	501167.65	3732796.09	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
3288	501169.39	3732805.72	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.90E-08
3289	501171.13	3732815.35	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.86E-08
3290	501172.87	3732824.98	8.55E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.82E-08
3291	501174.61	3732834.61	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
3292	501176.36	3732844.24	8.39E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
3293	501245.99	3733229.45	6.08E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.15E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
3294	501247.73	3733239.08	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.10E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
3295	501249.47	3733248.71	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.04E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
3296	501251.21	3733258.34	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.98E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
3297	500600.89	3732106.57	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
3298	500591.77	3732102.78	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
3299	500582.64	3732098.99	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
3300	500573.52	3732095.2	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.02E-07
3301	500564.39	3732091.41	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
3302	500555.26	3732087.61	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
3303	500546.14	3732083.82	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.02E-07
3304	500537.01	3732080.03	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
3305	500527.88	3732076.24	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
3306	500518.76	3732072.45	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
3307	500509.63	3732068.66	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
3308	500500.51	3732064.87	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
3309	500491.38	3732061.08	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
3310	500482.25	3732057.29	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
3311	500473.13	3732053.5	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.67E-08	0.00E+00	0.00E+00	1.01E-07
3312	500464	3732049.7	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.06E-07	3.37E-08	6.65E-08	0.00E+00	0.00E+00	1.00E-07
3313	500454.88	3732045.91	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
3314	500445.75	3732042.12	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.59E-08	0.00E+00	0.00E+00	9.93E-08
3315	500436.62	3732038.33	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	3.33E-08	6.56E-08	0.00E+00	0.00E+00	9.88E-08
3316	500427.5	3732034.54	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
3317	500418.37	3732030.75	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
3318	500409.24	3732026.96	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.71E-08
3319	500400.12	3732023.17	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.65E-08
3320	500390.99	3732019.38	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.59E-08
3321	500381.87	3732015.58	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.52E-08
3322	500372.74	3732011.79	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
3323	500363.61	3732008	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.37E-08
3324	500354.49	3732004.21	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.30E-08
3325	500345.36	3732000.42	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.12E-08	0.00E+00	0.00E+00	9.22E-08
3326	500336.23	3731996.63	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.08E-08	6.06E-08	0.00E+00	0.00E+00	9.14E-08
3327	500327.11	3731992.84	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
3328	500317.98	3731989.05	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.98E-08
3329	500308.86	3731985.26	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.90E-08	0.00E+00	0.00E+00	8.89E-08
3330	500299.73	3731981.46	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.96E-08	5.84E-08	0.00E+00	0.00E+00	8.80E-08
3331	500621.95	3732080.12	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
3332	500629.3	3732086.66	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.82E-08
3333	500636.66	3732093.19	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	3.31E-08	6.53E-08	0.00E+00	0.00E+00	9.84E-08
3334	500644.01	3732099.72	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	3.32E-08	6.53E-08	0.00E+00	0.00E+00	9.85E-08
3335	500651.36	3732106.26	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3336	500658.72	3732112.79	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3337	500666.07	3732119.33	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.87E-08
3338	500673.42	3732125.86	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3339	500680.78	3732132.4	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
3340	500739.6	3732184.67	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.26E-08	6.41E-08	0.00E+00	0.00E+00	9.67E-08
3341	500746.96	3732191.2	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
3342	500754.31	3732197.74	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.59E-08
3343	500761.67	3732204.27	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.54E-08
3344	500769.02	3732210.8	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.49E-08
3345	500776.37	3732217.34	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
3346	500783.73	3732223.87	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.38E-08
3347	500791.08	3732230.41	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
3348	500820.49	3732256.54	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.00E-08	0.00E+00	0.00E+00	9.05E-08
3349	500827.85	3732263.08	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.98E-08
3350	500835.2	3732269.61	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
3351	500842.55	3732276.15	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.82E-08
3352	500849.91	3732282.68	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
3353	500857.26	3732289.21	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	2.92E-08	5.74E-08	0.00E+00	0.00E+00	8.66E-08
3354	500864.61	3732295.75	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.57E-08
3355	500871.97	3732302.28	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.48E-08
3356	500879.32	3732308.82	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
3357	500886.67	3732315.35	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.31E-08
3358	500894.03	3732321.88	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.77E-08	5.46E-08	0.00E+00	0.00E+00	8.24E-08
3359	500901.38	3732328.42	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.13E-08
3360	500908.74	3732334.95	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.85E-07	2.70E-08	5.33E-08	0.00E+00	0.00E+00	8.03E-08
3361	500916.09	3732341.49	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.92E-08
3362	500923.44	3732348.02	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
3363	500930.8	3732354.55	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.71E-08
3364	500938.15	3732361.09	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
3365	500945.5	3732367.62	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.53E-07	2.53E-08	4.97E-08	0.00E+00	0.00E+00	7.50E-08
3366	500952.86	3732374.16	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
3367	500960.21	3732380.69	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.29E-08
3368	500967.56	3732387.23	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
3369	500974.92	3732393.76	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.07E-08
3370	500982.27	3732400.29	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.62E-08	0.00E+00	0.00E+00	6.97E-08
3371	500989.62	3732406.83	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08
3372	500996.98	3732413.36	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
3373	501004.33	3732419.9	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
3374	501011.68	3732426.43	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
3375	501019.04	3732432.96	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
3376	501026.39	3732439.5	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.34E-08

3377	501033.74	3732446.03	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.23E-08
3378	501041.1	3732452.57	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.71E-07	2.06E-08	4.07E-08	0.00E+00	0.00E+00	6.13E-08
3379	501048.45	3732459.1	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
3380	501055.81	3732465.63	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
3381	501063.16	3732472.17	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
3382	501070.51	3732478.7	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
3383	501077.87	3732485.24	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
3384	501085.22	3732491.77	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
3385	501092.57	3732498.3	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
3386	501099.93	3732504.84	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
3387	501107.28	3732511.37	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
3388	501114.63	3732517.91	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.16E-08
3389	501121.99	3732524.44	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
3390	501129.34	3732530.98	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.30E-08	0.00E+00	0.00E+00	4.98E-08
3391	501136.69	3732537.51	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.89E-08
3392	501144.05	3732544.04	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.80E-08
3393	501151.4	3732550.58	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
3394	501164	3732586.15	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
3395	501165.75	3732595.83	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
3396	501167.5	3732605.51	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
3397	501169.25	3732615.19	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
3398	501171	3732624.87	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.35E-08
3399	501172.75	3732634.55	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.31E-08
3400	501174.5	3732644.23	9.56E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.27E-08
3401	501176.25	3732653.91	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
3402	501178	3732663.59	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.20E-08
3403	501179.75	3732673.27	9.30E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.16E-08
3404	501181.5	3732682.95	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
3405	501183.25	3732692.63	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
3406	501185	3732702.31	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.05E-08
3407	501186.75	3732712	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
3408	501188.5	3732721.68	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
3409	501190.25	3732731.36	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
3410	501192	3732741.04	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	1.31E-08	2.59E-08	0.00E+00	0.00E+00	3.90E-08
3411	501193.75	3732750.72	8.64E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.86E-08
3412	501195.5	3732760.4	8.56E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
3413	501197.25	3732770.08	8.48E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
3414	501199	3732779.76	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.76E-08
3415	501200.75	3732789.44	8.32E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	1.25E-08	2.47E-08	0.00E+00	0.00E+00	3.72E-08
3416	501202.5	3732799.12	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.69E-08
3417	501204.25	3732808.8	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
3418	501206	3732818.48	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
3419	501207.75	3732828.16	8.02E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.59E-08
3420	501275.99	3733205.69	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.85E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
3421	501277.74	3733215.37	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
3422	501279.49	3733225.05	5.81E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	8.74E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
3423	501281.24	3733234.73	5.77E-08	9.82E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-08	9.82E-08	0.00E+00	0.00E+00	1.56E-07	8.69E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
3424	501282.99	3733244.41	5.73E-08	9.76E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-08	9.76E-08	0.00E+00	0.00E+00	1.55E-07	8.63E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
3425	501284.74	3733254.09	5.70E-08	9.69E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-08	9.69E-08	0.00E+00	0.00E+00	1.54E-07	8.58E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
3426	501286.49	3733263.77	5.66E-08	9.63E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	9.63E-08	0.00E+00	0.00E+00	1.53E-07	8.52E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
3427	500614.6	3732073.59	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.78E-08
3428	500605.47	3732069.8	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
3429	500596.34	3732066.01	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.81E-08
3430	500587.22	3732062.22	2.19E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.51E-08	0.00E+00	0.00E+00	9.81E-08
3431	500578.09	3732058.42	2.19E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.51E-08	0.00E+00	0.00E+00	9.81E-08
3432	500568.96	3732054.63	2.19E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.51E-08	0.00E+00	0.00E+00	9.81E-08
3433	500559.84	3732050.84	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.81E-08
3434	500550.71	3732047.05	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
3435	500541.59	3732043.26	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.78E-08
3436	500532.46	3732039.47	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
3437	500523.33	3732035.68	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.75E-08
3438	500514.21	3732031.89	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.72E-08
3439	500505.08	3732028.1	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.26E-08	6.43E-08	0.00E+00	0.00E+00	9.69E-08
3440	500495.95	3732024.3	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.41E-08	0.00E+00	0.00E+00	9.66E-08
3441	500486.83	3732020.51	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
3442	500477.7	3732016.72	2.15E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.59E-08
3443	500468.58	3732012.93	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.55E-08
3444	500459.45	3732009.14	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
3445	500450.32	3732005.35	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.46E-08
3446	500441.2	3732001.56	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.41E-08
3447	500432.07	3731997.77	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
3448	500422.94	3731993.98	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.31E-08
3449	500413.82	3731990.18	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.25E-08
3450	500404.69	3731986.39	2.05E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.09E-08	0.00E+00	0.00E+00	9.19E-08
3451	500395.57	3731982.6	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.05E-08	0.00E+00	0.00E+00	9.12E-08
3452	500386.44	3731978.81	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
3453	500377.31	3731975.02	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.03E-08	5.96E-08	0.00E+00	0.00E+00	8.99E-08
3454	500368.19	3731971.23	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.92E-08	0.00E+00	0.00E+00	8.92E-08
3455	500359.06	3731967.44	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.87E-08	0.00E+00	0.00E+00	8.85E-08
3456	500349.94	3731963.65	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	2.95E-08	5.82E-08	0.00E+00	0.00E+00	8.78E-08
3457	500340.81	3731959.86	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
3458	500331.68	3731956.06	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.62E-08
3459	500322.56	3731952.27	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.54E-08
3460	500313.43	3731948.48	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.46E-08
3461	500304.3	3731944.69	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.38E-08
3462	500295.18	3731940.9	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.79E-08	5.51E-08	0.00E+00	0.00E+00	8.30E-08
3463	500286.05	3731937.11	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.96E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
3464	500635.59	3732047.09	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.40E-08
3465	500642.88	3732053.57	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
3466	500650.18	3732060.05	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
3467	500657.47	3732066.53	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
3468	500664.76	3732073.01	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.46E-08
3469	500672.06	3732079.49	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.46E-08
3470	500679.35	3732085.97	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.47E-08
3471	500686.64	3732092.45	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.47E-08
3472	500693.94	3732098.93	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.46E-08
3473	500701.23	3732105.41	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
3474	500708.52	3732111.9	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
3475	500715.82	3732118.38	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.43E-08
3476	500723.11	3732124.86	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.41E-08
3477	500730.41	3732131.34	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.39E-08
3478	500788.75	3732183.18	2.04E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	3.06E-08	6.04E-08	0.00E+00	0.00E+00	9.10E-08
3479	500796.05	3732189.66	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.00E-08	0.00E+00	0.00E+00	9.05E-08
3480	500803.34	3732196.15	2.01E-07	3.43E-07	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.43E-07	0.00E+00	0.00E+00	5.44E-07	3.03E-08	5.97E-08	0.00E+00	0.00E+00	9.00E-08
3481	500810.63	3732202.63	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
3482	500817.93	3732209.11	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.89E-08
3483	500825.22	3732215.59	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.82E-08
3484	500832.51	3732222.07	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
3485	500839.81	3732228.55	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.69E-08
3486	500847.1	3732235.03	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.63E-08
3487	500854.39	3732241.51	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.56E-08
3488	500861.69	3732247.99	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.48E-08
3489	500868.98	3732254.47	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
3490	500876.28	3732260.95	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.53E-08	0.00E+00	0.00E+00	8.33E-08
3491	500883.57	3732267.43	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
3492	500890.86	3732273.92	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
3493	500898.16	3732280.4	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.13E-08
3494	500905.45	3732286.88	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.33E-08	0.00E+00	0.00E+00	8.04E-08
3495	500912.74	3732293.36	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.27E-08	0.00E+00	0.00E+00	7.94E-08
3496	500920.04	3732299.84	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.21E-08	0.00E+00	0.00E+00	7.85E-08
3497	500927.33	3732306.32	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.14E-08	0.00E+00	0.00E+00	7.75E-08
3498	500934.62	3732312.8	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
3499	500941.92	3732319.28	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.54E-08	5.01E-08	0.00E+00	0.00E+00	7.56E-08
3500	500949.21	3732325.76	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
3501	500956.5	3732332.24	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.36E-08
3502	500963.8	3732338.72	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.26E-08
3503	500971.09	3732345.2	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
3504	500978.38	3732351.68	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.06E-08
3505	500985.68	3732358.17	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.34E-08	4.62E-08	0.00E+00	0.00E+00	6.96E-08
3506	500992.97	3732364.65	1.54E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08

3507	501000.26	3732371.13	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.76E-08
3508	501007.56	3732377.61	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.24E-08	4.42E-08	0.00E+00	0.00E+00	6.67E-08
3509	501014.85	3732384.09	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
3510	501022.15	3732390.57	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
3511	501029.44	3732397.05	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
3512	501036.73	3732403.53	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
3513	501044.03	3732410.01	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
3514	501051.32	3732416.49	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	2.04E-08	4.03E-08	0.00E+00	0.00E+00	6.07E-08
3515	501058.61	3732422.97	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
3516	501065.91	3732429.45	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.87E-08
3517	501073.2	3732435.93	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.95E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08
3518	501080.49	3732442.42	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.69E-08
3519	501087.79	3732448.9	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
3520	501095.08	3732455.38	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
3521	501102.37	3732461.86	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
3522	501109.67	3732468.34	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.32E-08
3523	501116.96	3732474.82	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.24E-08
3524	501124.25	3732481.3	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
3525	501131.55	3732487.78	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
3526	501138.84	3732494.26	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.30E-08	0.00E+00	0.00E+00	4.97E-08
3527	501146.13	3732500.74	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.65E-08	3.24E-08	0.00E+00	0.00E+00	4.89E-08
3528	501153.43	3732507.22	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
3529	501160.72	3732513.7	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
3530	501168.02	3732520.19	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.08E-08	0.00E+00	0.00E+00	4.64E-08
3531	501175.31	3732526.67	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.02E-08	0.00E+00	0.00E+00	4.56E-08
3532	501182.6	3732533.15	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
3533	501191.63	3732549.23	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
3534	501193.37	3732558.83	9.70E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
3535	501195.1	3732568.43	9.61E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
3536	501198.57	3732587.63	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.23E-08
3537	501200.31	3732597.23	9.37E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
3538	501202.04	3732606.84	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.15E-08
3539	501203.78	3732616.44	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
3540	501205.52	3732626.04	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
3541	501207.25	3732635.64	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.05E-08
3542	501208.99	3732645.24	8.97E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
3543	501210.72	3732654.84	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.97E-08
3544	501212.46	3732664.44	8.81E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.61E-08	0.00E+00	0.00E+00	3.94E-08
3545	501214.19	3732674.04	8.73E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	1.31E-08	2.59E-08	0.00E+00	0.00E+00	3.90E-08
3546	501215.93	3732683.65	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
3547	501217.67	3732693.25	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.84E-08
3548	501219.4	3732702.85	8.50E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.80E-08
3549	501221.14	3732712.45	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.77E-08
3550	501222.87	3732722.05	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.73E-08
3551	501224.61	3732731.65	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.45E-08	0.00E+00	0.00E+00	3.70E-08
3552	501226.34	3732741.25	8.20E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.67E-08
3553	501228.08	3732750.85	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.63E-08
3554	501229.81	3732760.46	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
3555	501231.55	3732770.06	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
3556	501233.29	3732779.66	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.54E-08
3557	501235.02	3732789.26	7.84E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
3558	501236.76	3732798.86	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
3559	501238.49	3732808.46	7.71E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
3560	501240.23	3732818.06	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
3561	501311.39	3733211.71	5.56E-08	9.47E-08	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-08	9.47E-08	0.00E+00	0.00E+00	1.50E-07	8.37E-09	1.65E-08	0.00E+00	0.00E+00	2.49E-08
3562	501313.12	3733221.31	5.53E-08	9.41E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-08	9.41E-08	0.00E+00	0.00E+00	1.49E-07	8.32E-09	1.64E-08	0.00E+00	0.00E+00	2.47E-08
3563	501314.86	3733230.92	5.49E-08	9.35E-08	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-08	9.35E-08	0.00E+00	0.00E+00	1.48E-07	8.27E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
3564	501316.59	3733240.52	5.46E-08	9.29E-08	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-08	9.29E-08	0.00E+00	0.00E+00	1.48E-07	8.22E-09	1.62E-08	0.00E+00	0.00E+00	2.44E-08
3565	501318.33	3733250.12	5.43E-08	9.24E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-08	9.24E-08	0.00E+00	0.00E+00	1.47E-07	8.17E-09	1.61E-08	0.00E+00	0.00E+00	2.43E-08
3566	501320.06	3733259.72	5.39E-08	9.18E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-08	9.18E-08	0.00E+00	0.00E+00	1.46E-07	8.12E-09	1.60E-08	0.00E+00	0.00E+00	2.41E-08
3567	501321.8	3733269.32	5.36E-08	9.13E-08	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-08	9.13E-08	0.00E+00	0.00E+00	1.45E-07	8.07E-09	1.59E-08	0.00E+00	0.00E+00	2.40E-08
3568	500628.3	3732040.61	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.38E-08
3569	500619.17	3732036.82	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.39E-08
3570	500610.04	3732033.02	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.40E-08
3571	500600.92	3732029.23	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.40E-08
3572	500591.79	3732025.44	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.40E-08
3573	500582.67	3732021.65	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.40E-08
3574	500573.54	3732017.86	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.39E-08
3575	500564.41	3732014.07	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.39E-08
3576	500555.29	3732010.28	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.37E-08
3577	500546.16	3732006.49	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
3578	500537.03	3732002.7	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.34E-08
3579	500527.91	3731998.9	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.31E-08
3580	500518.78	3731995.11	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	3.13E-08	6.16E-08	0.00E+00	0.00E+00	9.29E-08
3581	500509.66	3731991.32	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.26E-08
3582	500500.53	3731987.53	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.58E-07	3.11E-08	6.12E-08	0.00E+00	0.00E+00	9.23E-08
3583	500491.4	3731983.74	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.10E-08	0.00E+00	0.00E+00	9.19E-08
3584	500482.28	3731979.95	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
3585	500473.15	3731976.16	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.04E-08	0.00E+00	0.00E+00	9.11E-08
3586	500464.02	3731972.37	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
3587	500454.9	3731968.58	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.02E-08
3588	500445.77	3731964.79	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.98E-08
3589	500436.65	3731960.99	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	3.01E-08	5.92E-08	0.00E+00	0.00E+00	8.93E-08
3590	500427.52	3731957.2	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.88E-08	0.00E+00	0.00E+00	8.87E-08
3591	500418.39	3731953.41	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.82E-08
3592	500409.27	3731949.62	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
3593	500400.14	3731945.83	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
3594	500391.01	3731942.04	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.63E-08
3595	500381.89	3731938.25	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
3596	500372.76	3731934.46	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.50E-08
3597	500363.64	3731930.67	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.43E-08
3598	500354.51	3731926.87	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.36E-08
3599	500345.38	3731923.08	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
3600	500336.26	3731919.29	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
3601	500327.13	3731915.5	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.14E-08
3602	500318	3731911.71	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
3603	500308.88	3731907.92	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
3604	500299.75	3731904.13	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
3605	500290.63	3731900.34	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.83E-08
3606	499844.34	3732909.68	9.63E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	1.45E-07	2.86E-07	0.00E+00	0.00E+00	4.30E-07
3607	499853.72	3732908.76	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	1.55E-07	3.05E-07	0.00E+00	0.00E+00	4.60E-07
3608	499863.1	3732907.85	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.91E-07
3609	499814.5	3732894.85	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
3610	499823.88	3732893.94	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
3611	499833.26	3732893.03	8.14E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.64E-07
3612	499842.63	3732892.12	8.63E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.86E-07
3613	499852.01	3732891.21	9.15E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	1.38E-07	2.71E-07	0.00E+00	0.00E+00	4.09E-07
3614	499861.39	3732890.29	9.69E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.88E-07	0.00E+00	0.00E+00	4.33E-07
3615	499870.77	3732889.38	1.03E-06	1.74E-06	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.74E-06	0.00E+00	0.00E+00	2.77E-06	1.54E-07	3.04E-07	0.00E+00	0.00E+00	4.58E-07
3616	499803.41	3732878.2	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.59E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
3617	499812.79	3732877.29	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	2.99E-07
3618	499822.17	3732876.38	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
3619	499831.55	3732875.47	7.43E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
3620	499840.93	3732874.56	7.83E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.50E-07
3621	499850.31	3732873.65	8.25E-07	1.41E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-07	1.41E-06	0.00E+00	0.00E+00	2.23E-06	1.24E-07	2.45E-07	0.00E+00	0.00E+00	3.69E-07
3622	499859.69	3732872.74	8.70E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.89E-07
3623	499869.06	3732871.82	9.15E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	1.38E-07	2.71E-07	0.00E+00	0.00E+00	4.09E-07
3624	499878.44	3732870.91	9.61E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	1.45E-07	2.85E-07	0.00E+00	0.00E+00	4.30E-07
3625	499774.03	3732879.07	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.21E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
3626	499778.49	3732870.77	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	8.18E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
3627	499792.33	3732861.56	5.66E-07	9.63E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	9.63E-07	0.00E+00	0.00E+00	1.53E-06	8.52E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
3628	499801.71	3732860.65	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.91E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
3629	499811.08	3732859.73	6.20E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.34E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
3630	499820.46	3732858.82	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.79E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
3631	499829.84	3732857.91	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
3632	499839.22	3732857	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.12E-07	0.00E+00	0.00E+00	3.20E-07
3633	499848.6	3732856.09	7.52E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.23E-07	0.00E+00	0.00E+00	3.36E-07
3634	499857.98	3732855.18	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
3635	499867.36	3732854.27	8.27E-07	1.41E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-07	1.41E-06	0.00E+00	0.00E+00	2.23E-06	1.24E-07	2.45E-07	0.00E+00	0.00E+00	3.70E-07
3636	499876.74	3732853.35	8.65E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	1.30E-07	2.57E-07	0.00E+00	0.00E+00	3.87E-07

3637	499886.12	3732852.44	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.68E-07	0.00E+00	0.00E+00	4.04E-07
3638	499758.49	3732870.73	4.92E-07	8.38E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	8.38E-07	0.00E+00	0.00E+00	1.33E-06	7.41E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
3639	499762.95	3732862.43	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.39E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
3640	499767.4	3732854.13	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	7.37E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
3641	499781.24	3732844.91	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	7.65E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
3642	499790.62	3732844	5.30E-07	9.02E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-07	9.02E-07	0.00E+00	0.00E+00	1.43E-06	7.97E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
3643	499800	3732843.09	5.53E-07	9.41E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-07	9.41E-07	0.00E+00	0.00E+00	1.49E-06	8.32E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
3644	499809.38	3732842.18	5.77E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
3645	499818.76	3732841.27	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.08E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
3646	499828.14	3732840.35	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.50E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
3647	499837.51	3732839.44	6.60E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.93E-08	1.96E-07	0.00E+00	0.00E+00	2.95E-07
3648	499846.89	3732838.53	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
3649	499856.27	3732837.62	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
3650	499865.65	3732836.71	7.54E-07	1.28E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-07	1.28E-06	0.00E+00	0.00E+00	2.04E-06	1.13E-07	2.24E-07	0.00E+00	0.00E+00	3.37E-07
3651	499875.03	3732835.8	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
3652	499884.41	3732834.88	8.20E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.23E-07	2.43E-07	0.00E+00	0.00E+00	3.67E-07
3653	499893.79	3732833.97	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.81E-07
3654	499742.95	3732862.39	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	6.75E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
3655	499747.41	3732854.08	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	6.73E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
3656	499751.86	3732845.78	4.46E-07	7.59E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	7.59E-07	0.00E+00	0.00E+00	1.20E-06	6.71E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
3657	499756.32	3732837.48	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	6.69E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
3658	499770.16	3732828.26	4.60E-07	7.83E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	7.83E-07	0.00E+00	0.00E+00	1.24E-06	6.93E-08	1.36E-07	0.00E+00	0.00E+00	2.06E-07
3659	499779.53	3732827.35	4.78E-07	8.14E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	8.14E-07	0.00E+00	0.00E+00	1.29E-06	7.20E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
3660	499788.91	3732826.44	4.97E-07	8.47E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.47E-07	0.00E+00	0.00E+00	1.34E-06	7.49E-08	1.48E-07	0.00E+00	0.00E+00	2.22E-07
3661	499798.29	3732825.53	5.18E-07	8.81E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-07	8.81E-07	0.00E+00	0.00E+00	1.40E-06	7.80E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
3662	499807.67	3732824.62	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
3663	499817.05	3732823.71	5.62E-07	9.57E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-07	9.57E-07	0.00E+00	0.00E+00	1.52E-06	8.46E-08	1.67E-07	0.00E+00	0.00E+00	2.51E-07
3664	499826.43	3732822.8	5.86E-07	9.98E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-07	9.98E-07	0.00E+00	0.00E+00	1.58E-06	8.82E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
3665	499835.81	3732821.88	6.11E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.20E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
3666	499845.19	3732820.97	6.37E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	9.60E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
3667	499854.57	3732820.06	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.97E-07	0.00E+00	0.00E+00	2.97E-07
3668	499863.95	3732819.15	6.92E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.10E-07
3669	499873.32	3732818.24	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.22E-07
3670	499882.7	3732817.33	7.50E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
3671	499892.08	3732816.41	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.10E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.48E-07
3672	499901.46	3732815.5	8.07E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	1.22E-07	2.39E-07	0.00E+00	0.00E+00	3.61E-07
3673	499727.41	3732854.04	4.10E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
3674	499731.86	3732845.74	4.10E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.17E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
3675	499736.32	3732837.44	4.09E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	6.15E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
3676	499740.78	3732829.13	4.07E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
3677	499745.23	3732820.83	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.20E-07	0.00E+00	0.00E+00	1.82E-07
3678	499759.07	3732811.62	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
3679	499768.45	3732810.71	4.35E-07	7.40E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	7.40E-07	0.00E+00	0.00E+00	1.18E-06	6.55E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
3680	499777.83	3732809.79	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
3681	499787.21	3732808.88	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	7.05E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
3682	499796.59	3732807.97	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
3683	499805.97	3732807.06	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	7.62E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
3684	499815.34	3732806.15	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.92E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
3685	499824.72	3732805.24	5.47E-07	9.31E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-07	9.31E-07	0.00E+00	0.00E+00	1.48E-06	8.24E-08	1.62E-07	0.00E+00	0.00E+00	2.45E-07
3686	499834.1	3732804.33	5.69E-07	9.69E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	9.69E-07	0.00E+00	0.00E+00	1.54E-06	8.57E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
3687	499843.48	3732803.41	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.91E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
3688	499852.86	3732802.5	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.27E-08	1.83E-07	0.00E+00	0.00E+00	2.75E-07
3689	499862.24	3732801.59	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.63E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
3690	499871.62	3732800.68	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.97E-07	0.00E+00	0.00E+00	2.97E-07
3691	499881	3732799.77	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
3692	499890.38	3732798.86	7.15E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	1.08E-07	2.12E-07	0.00E+00	0.00E+00	3.20E-07
3693	499899.75	3732797.94	7.41E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.31E-07
3694	499909.13	3732797.03	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.42E-07
3695	499710.45	3732848.32	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
3696	499715.15	3732839.58	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	5.68E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
3697	499719.84	3732830.84	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
3698	499724.53	3732822.1	3.76E-07	6.39E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.39E-07	0.00E+00	0.00E+00	1.02E-06	5.66E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
3699	499729.22	3732813.36	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	5.64E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
3700	499733.91	3732804.62	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
3701	499748.48	3732794.92	3.86E-07	6.56E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.56E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
3702	499758.35	3732793.96	4.00E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
3703	499768.22	3732793	4.14E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	6.24E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
3704	499778.1	3732792.04	4.30E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	6.48E-08	1.28E-07	0.00E+00	0.00E+00	1.92E-07
3705	499787.97	3732791.09	4.47E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	6.72E-08	1.32E-07	0.00E+00	0.00E+00	2.00E-07
3706	499797.84	3732790.13	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	6.99E-08	1.38E-07	0.00E+00	0.00E+00	2.07E-07
3707	499807.71	3732789.17	4.82E-07	8.21E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.21E-07	0.00E+00	0.00E+00	1.30E-06	7.26E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
3708	499817.59	3732788.21	5.01E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	7.55E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
3709	499827.46	3732787.25	5.21E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	7.85E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
3710	499837.33	3732786.29	5.42E-07	9.23E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-07	9.23E-07	0.00E+00	0.00E+00	1.47E-06	8.17E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
3711	499847.2	3732785.33	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	8.49E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
3712	499857.08	3732784.37	5.86E-07	9.98E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-07	9.98E-07	0.00E+00	0.00E+00	1.58E-06	8.83E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
3713	499866.95	3732783.41	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.17E-08	1.81E-07	0.00E+00	0.00E+00	2.72E-07
3714	499876.82	3732782.45	6.33E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.52E-08	1.88E-07	0.00E+00	0.00E+00	2.83E-07
3715	499886.69	3732781.49	6.56E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	9.88E-08	1.95E-07	0.00E+00	0.00E+00	2.93E-07
3716	499896.57	3732780.53	6.80E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
3717	499906.44	3732779.57	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
3718	499916.31	3732778.61	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
3719	499689.36	3732831.67	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
3720	499694.02	3732822.99	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	5.06E-08	9.97E-08	0.00E+00	0.00E+00	1.50E-07
3721	499698.68	3732814.31	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.95E-08	0.00E+00	0.00E+00	1.50E-07
3722	499703.34	3732805.63	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.05E-07	5.04E-08	9.93E-08	0.00E+00	0.00E+00	1.50E-07
3723	499708	3732796.95	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	5.03E-08	9.91E-08	0.00E+00	0.00E+00	1.49E-07
3724	499712.66	3732788.27	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.02E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
3725	499717.32	3732779.59	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.00E-08	9.85E-08	0.00E+00	0.00E+00	1.49E-07
3726	499731.78	3732769.96	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
3727	499741.59	3732769.01	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
3728	499751.39	3732768.05	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
3729	499761.2	3732767.1	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
3730	499771	3732766.15	3.91E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	5.88E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
3731	499780.81	3732765.19	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	6.09E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
3732	499790.61	3732764.24	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
3733	499800.42	3732763.29	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
3734	499810.23	3732762.34	4.50E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	6.78E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
3735	499820.03	3732761.38	4.67E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	7.02E-08	1.38E-07	0.00E+00	0.00E+00	2.09E-07
3736	499829.84	3732760.43	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	7.28E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
3737	499839.64	3732759.48	5.02E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	7.55E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
3738	499849.45	3732758.52	5.20E-07	8.85E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.85E-07	0.00E+00	0.00E+00	1.40E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
3739	499859.25	3732757.57	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	8.11E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
3740	499869.06	3732756.62	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	8.40E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
3741	499878.86	3732755.67	5.78E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	8.70E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
3742	499888.67	3732754.71	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	9.00E-08	1.77E-07	0.00E+00	0.00E+00	2.67E-07
3743	499898.47	3732753.76	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.30E-08	1.83E-07	0.00E+00	0.00E+00	2.76E-07
3744	499908.28	3732752.81	6.38E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	9.60E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
3745	499918.08	3732751.85	6.57E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.90E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
3746	499927.89	3732750.9	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
3747	499663.63	3732823.65	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.56E-08	8.99E-08	0.00E+00	0.00E+00	1.35E-07
3748	499668.27	3732815.02	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	4.56E-08	8.98E-08	0.00E+00	0.00E+00	1.35E-07
3749	499672.9	3732806.38	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.96E-08	0.00E+00	0.00E+00	1.35E-07
3750	499677.54	3732797.75	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
3751	499682.17	3732789.11	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	4.53E-08	8.93E-08	0.00E+00	0.00E+00	1.35E-07
3752	499686.81	3732780.48	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.12E-07	4.52E-08	8.91E-08	0.00E+00	0.00E+00	1.34E-07
3753	499691.44	3732771.85	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	4.51E-08	8.89E-08	0.00E+00	0.00E+00	1.34E-07
3754	499696.08	3732763.21	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.08E-07	4.50E-08	8.87E-08	0.00E+00	0.00E+00	1.34E-07
3755	499700.71	3732754.58	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
3756	499715.1	3732744.99	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
3757	499724.86	3732744.05	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.36E-08	0.00E+00	0.00E+00	1.41E-07
3758	499734.61	3732743.1	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
3759	499744.37	3732742.15	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.95E-08	0.00E+00	0.00E+00	1.50E-07
3760	499754.12	3732741.2	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
3761	499763.87	3732740.25	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.66E-07	5.38E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
3762	499773.63	3732739.31	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	5.56E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
3763	499783.38	3732738.36	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
3764	499793.14	3732737.41	3.94E-07	6.71E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	6.71E-07	0.00E+00	0.00E+00	1.06E-06	5.93E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
3765	499802.89	3732736.46	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
3766	499812.64	3732735.51	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07

3767	499822.4	3732734.57	4.36E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	6.56E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
3768	499832.15	3732733.62	4.50E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	6.78E-08	1.34E-07	0.00E+00	0.00E+00	2.01E-07
3769	499841.91	3732732.67	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	7.01E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
3770	499851.66	3732731.72	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
3771	499861.42	3732730.77	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	7.49E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
3772	499871.17	3732729.83	5.14E-07	8.75E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	8.75E-07	0.00E+00	0.00E+00	1.39E-06	7.74E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
3773	499880.92	3732728.88	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.44E-06	8.00E-08	1.58E-07	0.00E+00	0.00E+00	2.37E-07
3774	499890.68	3732727.93	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	8.25E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
3775	499900.43	3732726.98	5.65E-07	9.62E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	9.62E-07	0.00E+00	0.00E+00	1.53E-06	8.51E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
3776	499910.19	3732726.03	5.82E-07	9.91E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-07	9.91E-07	0.00E+00	0.00E+00	1.57E-06	8.76E-08	1.73E-07	0.00E+00	0.00E+00	2.60E-07
3777	499919.94	3732725.09	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.02E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
3778	499929.69	3732724.14	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.27E-08	1.83E-07	0.00E+00	0.00E+00	2.75E-07
3779	499939.45	3732723.19	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.52E-08	1.88E-07	0.00E+00	0.00E+00	2.83E-07
3780	499637.94	3732815.56	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
3781	499642.56	3732806.96	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.14E-08	0.00E+00	0.00E+00	1.23E-07
3782	499647.17	3732798.36	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
3783	499651.79	3732789.76	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
3784	499656.41	3732781.16	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
3785	499661.02	3732772.56	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.11E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
3786	499665.64	3732763.97	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.08E-08	0.00E+00	0.00E+00	1.22E-07
3787	499670.26	3732755.37	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.06E-08	0.00E+00	0.00E+00	1.21E-07
3788	499674.87	3732746.77	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.33E-07	4.08E-08	8.04E-08	0.00E+00	0.00E+00	1.21E-07
3789	499679.49	3732738.17	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
3790	499684.11	3732729.57	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	4.06E-08	8.00E-08	0.00E+00	0.00E+00	1.21E-07
3791	499698.44	3732720.03	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
3792	499708.15	3732719.08	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	4.28E-08	8.43E-08	0.00E+00	0.00E+00	1.27E-07
3793	499717.86	3732718.14	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.67E-08	0.00E+00	0.00E+00	1.31E-07
3794	499727.58	3732717.2	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.35E-07
3795	499737.29	3732716.25	3.10E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	4.66E-08	9.19E-08	0.00E+00	0.00E+00	1.38E-07
3796	499747.01	3732715.31	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
3797	499756.72	3732714.36	3.29E-07	5.59E-07	0.00E+00	0.00E+00	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.59E-07	0.00E+00	0.00E+00	8.88E-07	4.95E-08	9.75E-08	0.00E+00	0.00E+00	1.47E-07
3798	499766.43	3732713.42	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
3799	499776.15	3732712.48	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
3800	499785.86	3732711.53	3.60E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
3801	499795.57	3732710.59	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
3802	499805.29	3732709.64	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
3803	499815	3732708.7	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
3804	499824.72	3732707.76	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	6.14E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
3805	499834.43	3732706.81	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
3806	499844.14	3732705.87	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
3807	499853.86	3732704.92	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	6.75E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
3808	499863.57	3732703.98	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	6.96E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
3809	499873.29	3732703.03	4.76E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	7.17E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
3810	499883	3732702.09	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.39E-08	1.46E-07	0.00E+00	0.00E+00	2.19E-07
3811	499892.71	3732701.15	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	8.61E-07	0.00E+00	0.00E+00	1.37E-06	7.61E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
3812	499902.43	3732700.2	5.20E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
3813	499912.14	3732699.26	5.35E-07	9.11E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-07	9.11E-07	0.00E+00	0.00E+00	1.45E-06	8.06E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
3814	499921.86	3732698.31	5.50E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	8.28E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
3815	499931.57	3732697.37	5.64E-07	9.61E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.61E-07	0.00E+00	0.00E+00	1.52E-06	8.50E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
3816	499941.28	3732696.43	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	8.71E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
3817	499951	3732695.48	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.93E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
3818	499616.88	3732798.84	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
3819	499621.48	3732790.27	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
3820	499626.08	3732781.7	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.41E-08	0.00E+00	0.00E+00	1.12E-07
3821	499630.68	3732773.13	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
3822	499635.29	3732764.56	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.39E-08	0.00E+00	0.00E+00	1.11E-07
3823	499639.89	3732755.99	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.75E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
3824	499644.49	3732747.42	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
3825	499649.09	3732738.85	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.35E-08	0.00E+00	0.00E+00	1.11E-07
3826	499653.69	3732730.28	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.11E-07
3827	499658.29	3732721.71	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.67E-07	3.72E-08	7.32E-08	0.00E+00	0.00E+00	1.10E-07
3828	499662.89	3732713.14	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	3.71E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
3829	499667.49	3732704.57	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	3.70E-08	7.28E-08	0.00E+00	0.00E+00	1.10E-07
3830	499681.78	3732695.06	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
3831	499691.46	3732694.12	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
3832	499701.14	3732693.18	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.15E-07	3.99E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
3833	499710.82	3732692.24	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	4.09E-08	8.06E-08	0.00E+00	0.00E+00	1.22E-07
3834	499720.5	3732691.3	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
3835	499730.18	3732690.36	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
3836	499739.86	3732689.42	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	4.44E-08	8.75E-08	0.00E+00	0.00E+00	1.32E-07
3837	499749.55	3732688.47	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
3838	499759.23	3732687.53	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.44E-07	4.70E-08	9.26E-08	0.00E+00	0.00E+00	1.40E-07
3839	499768.91	3732686.59	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	4.84E-08	9.53E-08	0.00E+00	0.00E+00	1.44E-07
3840	499778.59	3732685.65	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
3841	499788.27	3732684.71	3.40E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
3842	499797.95	3732683.77	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
3843	499807.63	3732682.83	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.76E-07	5.44E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
3844	499817.32	3732681.89	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.01E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
3845	499827	3732680.95	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
3846	499836.68	3732680.01	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
3847	499846.36	3732679.07	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
3848	499856.04	3732678.12	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	6.30E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
3849	499865.72	3732677.18	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	6.48E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
3850	499875.4	3732676.24	4.43E-07	7.54E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	7.54E-07	0.00E+00	0.00E+00	1.20E-06	6.67E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
3851	499885.09	3732675.3	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	6.86E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
3852	499894.77	3732674.36	4.69E-07	7.98E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-07	7.98E-07	0.00E+00	0.00E+00	1.27E-06	7.06E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
3853	499904.45	3732673.42	4.81E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
3854	499914.13	3732672.48	4.94E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	7.44E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
3855	499923.81	3732671.54	5.07E-07	8.63E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-07	8.63E-07	0.00E+00	0.00E+00	1.37E-06	7.64E-08	1.50E-07	0.00E+00	0.00E+00	2.27E-07
3856	499933.49	3732670.6	5.20E-07	8.85E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.85E-07	0.00E+00	0.00E+00	1.41E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
3857	499943.17	3732669.66	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
3858	499952.86	3732668.72	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.21E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
3859	499962.54	3732667.77	5.57E-07	9.49E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	9.49E-07	0.00E+00	0.00E+00	1.51E-06	8.39E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
3860	499591.23	3732790.68	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
3861	499595.82	3732782.14	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
3862	499600.41	3732773.59	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
3863	499604.99	3732765.04	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
3864	499609.58	3732756.5	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
3865	499614.17	3732747.95	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
3866	499618.76	3732739.4	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
3867	499623.35	3732730.86	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
3868	499627.94	3732722.31	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
3869	499632.52	3732713.76	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
3870	499637.11	3732705.22	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
3871	499641.7	3732696.67	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
3872	499646.29	3732688.12	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
3873	499650.88	3732679.58	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.67E-08	0.00E+00	0.00E+00	1.01E-07
3874	499665.12	3732670.09	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
3875	499674.78	3732669.16	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	3.55E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
3876	499684.43	3732668.22	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	3.63E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
3877	499694.08	3732667.28	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
3878	499703.74	3732666.34	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
3879	499713.39	3732665.4	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
3880	499723.05	3732664.46	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.92E-08	0.00E+00	0.00E+00	1.19E-07
3881	499732.7	3732663.53	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
3882	499742.36	3732662.59	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
3883	499752.01	3732661.65	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	4.35E-08	8.58E-08	0.00E+00	0.00E+00	1.29E-07
3884	499761.67	3732660.71	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.47E-08	8.81E-08	0.00E+00	0.00E+00	1.33E-07
3885	499771.32	3732659.77	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	4.60E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
3886	499780.98	3732658.83	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.48E-07	4.72E-08	9.31E-08	0.00E+00	0.00E+00	1.40E-07
3887	499790.63	3732657.9	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	4.86E-08	9.57E-08	0.00E+00	0.00E+00	1.44E-07
3888	499800.29	3732656.96	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
3889	499809.94	3732656.02	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
3890	499819.6	3732655.08	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.48E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
3891	499829.25	3732654.14	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
3892	499838.91	3732653.2	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
3893	499848.56	3732652.27	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
3894	499858.22	3732651.33	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
3895	499867.87	3732650.39	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
3896	499877.53	3732649.45	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	6.23E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07

3897	499887.18	3732648.51	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.40E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
3898	499896.84	3732647.57	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
3899	499906.49	3732646.64	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
3900	499916.14	3732645.7	4.59E-07	7.81E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-07	7.81E-07	0.00E+00	0.00E+00	1.24E-06	6.91E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
3901	499925.8	3732644.76	4.70E-07	8.01E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	8.01E-07	0.00E+00	0.00E+00	1.27E-06	7.08E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
3902	499935.45	3732643.82	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
3903	499945.11	3732642.88	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	7.42E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
3904	499954.76	3732641.94	5.04E-07	8.57E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	8.57E-07	0.00E+00	0.00E+00	1.36E-06	7.58E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
3905	499964.42	3732641.01	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
3906	499974.07	3732640.07	5.25E-07	8.94E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	8.94E-07	0.00E+00	0.00E+00	1.42E-06	7.91E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
3907	499565.59	3732782.49	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.46E-08
3908	499570.17	3732773.96	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.27E-08	0.00E+00	0.00E+00	9.46E-08
3909	499574.75	3732765.44	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
3910	499579.33	3732756.91	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
3911	499583.9	3732748.38	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
3912	499588.48	3732739.86	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
3913	499593.06	3732731.33	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.41E-08
3914	499597.64	3732722.8	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.40E-08
3915	499602.22	3732714.28	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.38E-08
3916	499606.79	3732705.75	2.09E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.37E-08
3917	499611.37	3732697.22	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
3918	499615.95	3732688.7	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
3919	499620.53	3732680.17	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
3920	499625.1	3732671.64	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.30E-08
3921	499629.68	3732663.12	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.28E-08
3922	499634.26	3732654.59	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.26E-08
3923	499648.47	3732645.13	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
3924	499658.1	3732644.19	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.41E-08	0.00E+00	0.00E+00	9.66E-08
3925	499667.73	3732643.25	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.98E-07	3.33E-08	6.56E-08	0.00E+00	0.00E+00	9.89E-08
3926	499677.37	3732642.32	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
3927	499687	3732641.38	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
3928	499696.63	3732640.44	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.04E-08	0.00E+00	0.00E+00	1.06E-07
3929	499706.26	3732639.51	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
3930	499715.9	3732638.57	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.74E-07	3.75E-08	7.39E-08	0.00E+00	0.00E+00	1.11E-07
3931	499725.53	3732637.64	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
3932	499735.16	3732636.7	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.95E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
3933	499744.79	3732635.76	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	4.05E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
3934	499754.43	3732634.83	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	4.15E-08	8.18E-08	0.00E+00	0.00E+00	1.23E-07
3935	499764.06	3732633.89	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.27E-07
3936	499773.69	3732632.96	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.85E-07	4.37E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
3937	499783.32	3732632.02	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.84E-08	0.00E+00	0.00E+00	1.33E-07
3938	499792.96	3732631.08	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	4.61E-08	9.08E-08	0.00E+00	0.00E+00	1.37E-07
3939	499802.59	3732630.15	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	4.73E-08	9.32E-08	0.00E+00	0.00E+00	1.41E-07
3940	499812.22	3732629.21	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.72E-07	4.86E-08	9.57E-08	0.00E+00	0.00E+00	1.44E-07
3941	499821.85	3732628.27	3.32E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.83E-08	0.00E+00	0.00E+00	1.48E-07
3942	499831.49	3732627.34	3.40E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
3943	499841.12	3732626.4	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
3944	499850.75	3732625.47	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
3945	499860.38	3732624.53	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	5.55E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
3946	499870.02	3732623.59	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
3947	499879.65	3732622.66	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	5.84E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
3948	499889.28	3732621.72	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	5.99E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
3949	499898.91	3732620.79	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	6.14E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
3950	499908.55	3732619.85	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
3951	499918.18	3732618.91	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
3952	499927.81	3732617.98	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	6.59E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
3953	499937.44	3732617.04	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
3954	499947.07	3732616.1	4.58E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	6.89E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
3955	499956.71	3732615.17	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
3956	499966.34	3732614.23	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.19E-08	1.42E-07	0.00E+00	0.00E+00	2.13E-07
3957	499975.97	3732613.3	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
3958	499985.6	3732612.36	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	8.44E-07	0.00E+00	0.00E+00	1.34E-06	7.47E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
3959	499542.55	3732769.47	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
3960	499547.24	3732760.74	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.75E-08
3961	499551.92	3732752.01	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.80E-08	0.00E+00	0.00E+00	8.75E-08
3962	499556.61	3732743.28	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
3963	499561.29	3732734.56	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
3964	499565.98	3732725.83	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.72E-08
3965	499570.67	3732717.1	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.93E-08	5.78E-08	0.00E+00	0.00E+00	8.71E-08
3966	499575.35	3732708.37	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
3967	499580.04	3732699.64	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
3968	499584.72	3732690.92	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	2.92E-08	5.75E-08	0.00E+00	0.00E+00	8.67E-08
3969	499589.41	3732682.19	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	2.92E-08	5.74E-08	0.00E+00	0.00E+00	8.66E-08
3970	499594.09	3732673.46	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.64E-08
3971	499598.78	3732664.73	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.91E-08	5.72E-08	0.00E+00	0.00E+00	8.63E-08
3972	499603.47	3732656	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
3973	499608.15	3732647.28	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.70E-08	0.00E+00	0.00E+00	8.59E-08
3974	499612.84	3732638.55	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.58E-08
3975	499617.52	3732629.82	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
3976	499632.07	3732620.13	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
3977	499641.93	3732619.18	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.92E-08	0.00E+00	0.00E+00	8.92E-08
3978	499651.79	3732618.22	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.05E-08	0.00E+00	0.00E+00	9.12E-08
3979	499661.65	3732617.26	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
3980	499671.51	3732616.3	2.14E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.55E-08
3981	499681.37	3732615.34	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
3982	499691.23	3732614.38	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
3983	499701.09	3732613.43	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
3984	499710.95	3732612.47	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
3985	499720.81	3732611.51	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.08E-07
3986	499730.67	3732610.55	2.46E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
3987	499740.53	3732609.59	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	3.80E-08	7.49E-08	0.00E+00	0.00E+00	1.13E-07
3988	499750.39	3732608.63	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	3.90E-08	7.68E-08	0.00E+00	0.00E+00	1.16E-07
3989	499760.25	3732607.68	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
3990	499770.11	3732606.72	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.10E-08	8.08E-08	0.00E+00	0.00E+00	1.22E-07
3991	499779.97	3732605.76	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
3992	499789.83	3732604.8	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
3993	499799.69	3732603.84	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
3994	499809.55	3732602.88	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.96E-08	0.00E+00	0.00E+00	1.35E-07
3995	499819.41	3732601.93	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	4.67E-08	9.20E-08	0.00E+00	0.00E+00	1.39E-07
3996	499829.27	3732600.97	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
3997	499839.13	3732600.01	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.69E-08	0.00E+00	0.00E+00	1.46E-07
3998	499848.99	3732599.05	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.94E-08	0.00E+00	0.00E+00	1.50E-07
3999	499858.85	3732598.09	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
4000	499868.71	3732597.13	3.53E-07	6.00E-07	0.00E+00	0.00E+00	9.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.00E-07	0.00E+00	0.00E+00	9.53E-07	5.31E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
4001	499878.57	3732596.18	3.62E-07	6.15E-07	0.00E+00	0.00E+00	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.15E-07	0.00E+00	0.00E+00	9.77E-07	5.44E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
4002	499888.43	3732595.22	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
4003	499898.29	3732594.26	3.80E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
4004	499908.15	3732593.3	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.86E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
4005	499918.01	3732592.34	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	5.99E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
4006	499927.87	3732591.39	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
4007	499937.73	3732590.43	4.16E-07	7.09E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.09E-07	0.00E+00	0.00E+00	1.13E-06	6.27E-08	1.24E-07	0.00E+00	0.00E+00	1.86E-07
4008	499947.59	3732589.47	4.26E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.41E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
4009	499957.45	3732588.51	4.35E-07	7.40E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	7.40E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
4010	499967.31	3732587.55	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
4011	499977.17	3732586.59	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
4012	499987.03	3732585.64	4.61E-07	7.84E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.84E-07	0.00E+00	0.00E+00	1.25E-06	6.94E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
4013	499996.89	3732584.68	4.69E-07	7.99E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-07	7.99E-07	0.00E+00	0.00E+00	1.27E-06	7.06E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
4014	499516.86	3732761.38	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.14E-08
4015	499521.53	3732752.68	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.14E-08
4016	499526.2	3732743.98	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.13E-08
4017	499530.87	3732735.28	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.13E-08
4018	499535.54	3732726.59	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.73E-08	5.39E-08	0.00E+00	0.00E+00	8.12E-08
4019	499540.21	3732717.89	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.11E-08
4020	499544.88	3732709.19	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.10E-08
4021	499549.55	3732700.49	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.73E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
4022	499554.22	3732691.8	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
4023	499558.89	3732683.1	1.81E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
4024	499563.56	3732674.4	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.35E-08	0.00E+00	0.00E+00	8.06E-08
4025	499568.23	3732665.7	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
4026	499572.89	3732657	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.33E-08	0.00E+00	0.00E+00	8.03E-08

4027	499577.56	3732648.31	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.02E-08
4028	499582.23	3732639.61	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
4029	499586.9	3732630.91	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
4030	499591.57	3732622.21	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.69E-08	5.29E-08	0.00E+00	0.00E+00	7.98E-08
4031	499596.24	3732613.52	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
4032	499600.91	3732604.82	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.27E-08	0.00E+00	0.00E+00	7.94E-08
4033	499615.41	3732595.17	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
4034	499625.23	3732594.21	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.26E-08
4035	499635.06	3732593.26	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.44E-08
4036	499644.88	3732592.3	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.62E-08
4037	499654.71	3732591.35	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.97E-08	5.84E-08	0.00E+00	0.00E+00	8.81E-08
4038	499664.53	3732590.39	2.01E-07	3.43E-07	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.43E-07	0.00E+00	0.00E+00	5.44E-07	3.03E-08	5.97E-08	0.00E+00	0.00E+00	9.00E-08
4039	499674.36	3732589.44	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
4040	499684.19	3732588.48	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.41E-08
4041	499694.01	3732587.53	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
4042	499703.84	3732586.57	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	3.32E-08	6.53E-08	0.00E+00	0.00E+00	9.85E-08
4043	499713.66	3732585.62	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.40E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
4044	499723.49	3732584.66	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.24E-07	3.48E-08	6.85E-08	0.00E+00	0.00E+00	1.03E-07
4045	499733.31	3732583.71	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
4046	499743.14	3732582.75	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.65E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
4047	499752.96	3732581.8	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
4048	499762.79	3732580.84	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
4049	499772.62	3732579.89	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
4050	499782.44	3732578.93	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	4.02E-08	7.91E-08	0.00E+00	0.00E+00	1.19E-07
4051	499792.27	3732577.98	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.39E-07	4.12E-08	8.11E-08	0.00E+00	0.00E+00	1.22E-07
4052	499802.09	3732577.02	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
4053	499811.92	3732576.07	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.77E-07	4.33E-08	8.52E-08	0.00E+00	0.00E+00	1.28E-07
4054	499821.74	3732575.11	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	4.43E-08	8.74E-08	0.00E+00	0.00E+00	1.32E-07
4055	499831.57	3732574.16	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.55E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
4056	499841.39	3732573.2	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	4.66E-08	9.18E-08	0.00E+00	0.00E+00	1.38E-07
4057	499851.22	3732572.25	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.77E-08	9.41E-08	0.00E+00	0.00E+00	1.42E-07
4058	499861.05	3732571.29	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
4059	499870.87	3732570.34	3.33E-07	5.67E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	8.99E-07	5.01E-08	9.87E-08	0.00E+00	0.00E+00	1.49E-07
4060	499880.7	3732569.38	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
4061	499890.52	3732568.43	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.25E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
4062	499900.35	3732567.47	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.65E-07	5.38E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
4063	499910.17	3732566.52	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
4064	499920	3732565.56	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
4065	499929.82	3732564.61	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
4066	499939.65	3732563.65	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
4067	499949.48	3732562.7	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
4068	499959.3	3732561.74	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
4069	499969.13	3732560.79	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	6.24E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
4070	499978.95	3732559.83	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	6.36E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
4071	499988.78	3732558.88	4.30E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.28E-07	0.00E+00	0.00E+00	1.92E-07
4072	499998.6	3732557.92	4.37E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	6.59E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
4073	500008.43	3732556.97	4.45E-07	7.57E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	7.57E-07	0.00E+00	0.00E+00	1.20E-06	6.70E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
4074	499491.19	3732753.25	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
4075	499495.85	3732744.58	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
4076	499500.5	3732735.91	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
4077	499505.16	3732727.23	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
4078	499509.81	3732718.56	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
4079	499514.47	3732709.89	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
4080	499542.4	3732657.86	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
4081	499547.05	3732649.19	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.51E-08
4082	499551.71	3732640.52	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	2.52E-08	4.97E-08	0.00E+00	0.00E+00	7.49E-08
4083	499556.37	3732631.85	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.48E-08
4084	499561.02	3732623.18	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.52E-08	4.95E-08	0.00E+00	0.00E+00	7.47E-08
4085	499565.68	3732614.51	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
4086	499570.33	3732605.84	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.44E-08
4087	499574.99	3732597.17	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.43E-08
4088	499579.64	3732588.49	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.41E-08
4089	499584.3	3732579.82	1.65E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.91E-08	0.00E+00	0.00E+00	7.40E-08
4090	499598.75	3732570.2	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.54E-08	4.99E-08	0.00E+00	0.00E+00	7.53E-08
4091	499608.54	3732569.25	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.59E-08	5.09E-08	0.00E+00	0.00E+00	7.68E-08
4092	499618.34	3732568.3	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.83E-08
4093	499628.14	3732567.34	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
4094	499637.93	3732566.39	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
4095	499647.73	3732565.44	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.33E-08
4096	499657.52	3732564.49	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.51E-08
4097	499667.32	3732563.54	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
4098	499677.12	3732562.58	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.88E-08
4099	499686.91	3732561.63	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
4100	499696.71	3732560.68	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
4101	499706.5	3732559.73	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
4102	499716.3	3732558.77	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.26E-08	6.43E-08	0.00E+00	0.00E+00	9.70E-08
4103	499726.09	3732557.82	2.22E-07	3.78E-07	0.00E+00	0.00E+00	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	5.99E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.92E-08
4104	499735.89	3732556.87	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
4105	499745.69	3732555.92	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.50E-08	6.89E-08	0.00E+00	0.00E+00	1.04E-07
4106	499755.48	3732554.97	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
4107	499765.28	3732554.01	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
4108	499775.07	3732553.06	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.39E-08	0.00E+00	0.00E+00	1.11E-07
4109	499784.87	3732552.11	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.56E-08	0.00E+00	0.00E+00	1.14E-07
4110	499794.66	3732551.16	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	3.93E-08	7.74E-08	0.00E+00	0.00E+00	1.17E-07
4111	499804.46	3732550.21	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.93E-08	0.00E+00	0.00E+00	1.20E-07
4112	499814.26	3732549.25	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
4113	499824.05	3732548.3	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
4114	499833.85	3732547.35	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
4115	499843.64	3732546.4	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.42E-08	8.71E-08	0.00E+00	0.00E+00	1.31E-07
4116	499853.44	3732545.45	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.34E-07
4117	499863.23	3732544.49	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.31E-07	4.63E-08	9.13E-08	0.00E+00	0.00E+00	1.38E-07
4118	499873.03	3732543.54	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	4.74E-08	9.34E-08	0.00E+00	0.00E+00	1.41E-07
4119	499882.83	3732542.59	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.70E-07	4.85E-08	9.55E-08	0.00E+00	0.00E+00	1.44E-07
4120	499892.62	3732541.64	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.77E-08	0.00E+00	0.00E+00	1.47E-07
4121	499902.42	3732540.69	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
4122	499912.21	3732539.73	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
4123	499922.01	3732538.78	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.50E-07	5.29E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
4124	499931.81	3732537.83	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	5.41E-08	1.06E-07	0.00E+00	0.00E+00	1.61E-07
4125	499941.6	3732536.88	3.66E-07	6.24E-07	0.00E+00	0.00E+00	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.24E-07	0.00E+00	0.00E+00	9.90E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
4126	499951.4	3732535.93	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
4127	499961.19	3732534.97	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
4128	499970.99	3732534.02	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
4129	499980.78	3732533.07	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
4130	499990.58	3732532.12	4.02E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
4131	500000.38	3732531.17	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.16E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
4132	499354.1	3732952.65	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.58E-08	0.00E+00	0.00E+00	6.90E-08
4133	499358.75	3732944	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
4134	499363.39	3732935.35	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.33E-08	4.60E-08	0.00E+00	0.00E+00	6.93E-08
4135	499470.18	3732736.44	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
4136	499474.82	3732727.79	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
4137	499479.47	3732719.15	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.09E-08
4138	499484.11	3732710.5	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
4139	499488.75	3732701.85	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
4140	499493.39	3732693.2	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.70E-08	0.00E+00	0.00E+00	7.08E-08
4141	499535.18	3732615.37	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.64E-08	0.00E+00	0.00E+00	7.00E-08
4142	499539.82	3732606.72	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.64E-08	0.00E+00	0.00E+00	6.99E-08
4143	499544.47	3732598.07	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
4144	499549.11	3732589.42	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.62E-08	0.00E+00	0.00E+00	6.97E-08
4145	499553.75	3732580.77	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.61E-08	0.00E+00	0.00E+00	6.95E-08
4146	499558.4	3732572.13	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
4147	499563.04	3732563.48	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.93E-08
4148	499567.68	3732554.83	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.91E-08
4149	499582.09	3732545.23	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.66E-08	0.00E+00	0.00E+00	7.03E-08
4150	499591.86	3732544.28	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
4151	499601.63	3732543.33	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.46E-08	4.84E-08	0.00E+00	0.00E+00	7.30E-08
4152	499611.4	3732542.38	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.44E-08
4153	499621.17	3732541.43	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
4154	499630.94	3732540.48	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.13E-08	0.00E+00	0.00E+00	7.74E-08
4155	499640.71	3732539.53	1.77E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.23E-08	0.00E+00	0.00E+00	7.89E-08
4156	499650.48	3732538.59	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08

4157	499660.25	3732537.64	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
4158	499670.02	3732536.69	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.39E-08
4159	499679.79	3732535.74	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
4160	499689.56	3732534.79	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.80E-08	0.00E+00	0.00E+00	8.75E-08
4161	499699.33	3732533.84	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
4162	499709.1	3732532.89	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.07E-08	6.06E-08	0.00E+00	0.00E+00	9.13E-08
4163	499718.87	3732531.94	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
4164	499728.64	3732530.99	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.54E-08
4165	499738.41	3732530.04	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.47E-08	0.00E+00	0.00E+00	9.75E-08
4166	499748.18	3732529.09	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.36E-08	6.61E-08	0.00E+00	0.00E+00	9.97E-08
4167	499757.95	3732528.14	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
4168	499767.72	3732527.19	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.91E-08	0.00E+00	0.00E+00	1.04E-07
4169	499777.49	3732526.24	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
4170	499787.26	3732525.29	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
4171	499797.03	3732524.34	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
4172	499806.8	3732523.39	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
4173	499816.57	3732522.44	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	3.93E-08	7.74E-08	0.00E+00	0.00E+00	1.17E-07
4174	499826.34	3732521.49	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	4.02E-08	7.92E-08	0.00E+00	0.00E+00	1.19E-07
4175	499836.11	3732520.54	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
4176	499845.88	3732519.6	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.55E-07	4.21E-08	8.28E-08	0.00E+00	0.00E+00	1.25E-07
4177	499855.65	3732518.65	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.47E-08	0.00E+00	0.00E+00	1.28E-07
4178	499865.42	3732517.7	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	4.40E-08	8.66E-08	0.00E+00	0.00E+00	1.31E-07
4179	499875.19	3732516.75	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
4180	499884.96	3732515.8	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
4181	499894.73	3732514.85	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.42E-07	4.69E-08	9.24E-08	0.00E+00	0.00E+00	1.39E-07
4182	499904.5	3732513.9	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
4183	499914.27	3732512.95	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
4184	499924.03	3732512	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
4185	499933.8	3732511.05	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
4186	499943.57	3732510.1	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
4187	499953.34	3732509.15	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	5.30E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
4188	499963.11	3732508.2	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
4189	499972.88	3732507.25	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
4190	499982.65	3732506.3	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
4191	500011.96	3732503.45	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
4192	500021.73	3732502.5	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	5.96E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
4193	500031.5	3732501.55	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	6.05E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
4194	499349.46	3732961.29	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
4195	499349.44	3732971.22	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.61E-08	0.00E+00	0.00E+00	6.96E-08
4196	499349.42	3732981.14	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.66E-08	0.00E+00	0.00E+00	7.02E-08
4197	499349.4	3732991.06	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
4198	499349.38	3733000.98	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.15E-08
4199	499349.36	3733010.9	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.79E-08	0.00E+00	0.00E+00	7.22E-08
4200	499349.34	3733020.83	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.45E-08	4.84E-08	0.00E+00	0.00E+00	7.29E-08
4201	499349.31	3733030.75	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.36E-08
4202	499349.29	3733040.67	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.43E-08
4203	499349.27	3733050.59	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.53E-07	2.53E-08	4.97E-08	0.00E+00	0.00E+00	7.50E-08
4204	499349.25	3733060.51	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
4205	499349.23	3733070.44	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.57E-08	5.07E-08	0.00E+00	0.00E+00	7.64E-08
4206	499349.21	3733080.36	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.71E-08
4207	499349.19	3733090.28	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.71E-07	2.62E-08	5.17E-08	0.00E+00	0.00E+00	7.79E-08
4208	499349.17	3733100.2	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.21E-08	0.00E+00	0.00E+00	7.86E-08
4209	499349.15	3733110.12	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
4210	499349.13	3733120.04	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
4211	499349.11	3733129.97	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
4212	499349.08	3733139.89	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
4213	499349.06	3733149.81	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.77E-08	5.46E-08	0.00E+00	0.00E+00	8.24E-08
4214	499349.04	3733159.73	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.31E-08
4215	499349.02	3733169.65	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.39E-08
4216	499349	3733179.58	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
4217	499348.98	3733189.5	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.55E-08
4218	499348.96	3733199.42	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.63E-08
4219	499348.94	3733209.34	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.71E-08
4220	499348.92	3733219.26	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.79E-08
4221	499348.9	3733229.19	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.88E-08	0.00E+00	0.00E+00	8.87E-08
4222	499348.87	3733239.11	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.01E-08	5.94E-08	0.00E+00	0.00E+00	8.95E-08
4223	499348.85	3733249.03	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.03E-08
4224	499348.83	3733258.95	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.04E-08	0.00E+00	0.00E+00	9.11E-08
4225	499348.81	3733268.87	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
4226	499348.79	3733278.79	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.28E-08
4227	499314.09	3732952.59	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.33E-08
4228	499318.72	3732943.97	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.13E-08	4.21E-08	0.00E+00	0.00E+00	6.34E-08
4229	499323.35	3732935.35	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.21E-08	0.00E+00	0.00E+00	6.35E-08
4230	499327.98	3732926.72	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
4231	499332.6	3732918.1	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.38E-08
4232	499337.23	3732909.48	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
4233	499341.86	3732900.86	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.40E-08
4234	499346.49	3732892.24	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.41E-08
4235	499351.12	3732883.62	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
4236	499355.75	3732874.99	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.43E-08
4237	499439.07	3732719.81	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.20E-08	4.32E-08	0.00E+00	0.00E+00	6.52E-08
4238	499443.69	3732711.18	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.52E-08
4239	499448.32	3732702.56	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.52E-08
4240	499452.95	3732693.94	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
4241	499457.58	3732685.32	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
4242	499462.21	3732676.7	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
4243	499494.61	3732616.35	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.46E-08
4244	499499.24	3732607.73	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
4245	499503.87	3732599.1	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
4246	499508.5	3732590.48	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.43E-08
4247	499513.12	3732581.86	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
4248	499517.75	3732573.24	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.41E-08
4249	499522.38	3732564.62	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.40E-08
4250	499527.01	3732556	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
4251	499531.64	3732547.37	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.38E-08
4252	499536.27	3732538.75	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.37E-08
4253	499540.9	3732530.13	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
4254	499545.53	3732521.51	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.83E-07	2.14E-08	4.21E-08	0.00E+00	0.00E+00	6.34E-08
4255	499559.89	3732511.94	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
4256	499569.63	3732510.99	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
4257	499579.37	3732510.05	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.68E-08
4258	499589.11	3732509.1	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
4259	499598.85	3732508.15	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
4260	499608.59	3732507.21	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	2.37E-08	4.68E-08	0.00E+00	0.00E+00	7.05E-08
4261	499618.33	3732506.26	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
4262	499628.07	3732505.32	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.32E-08
4263	499637.81	3732504.37	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
4264	499647.55	3732503.42	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
4265	499657.29	3732502.48	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.14E-08	0.00E+00	0.00E+00	7.75E-08
4266	499667.03	3732501.53	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
4267	499676.77	3732500.58	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
4268	499686.51	3732499.64	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.46E-08	0.00E+00	0.00E+00	8.23E-08
4269	499696.25	3732498.69	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
4270	499705.99	3732497.74	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.57E-08
4271	499715.73	3732496.8	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.75E-08
4272	499725.47	3732495.85	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
4273	499735.21	3732494.9	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.05E-08	0.00E+00	0.00E+00	9.12E-08
4274	499744.95	3732493.96	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
4275	499754.69	3732493.01	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.52E-08
4276	499764.43	3732492.06	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.72E-08
4277	499774.17	3732491.12	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.59E-08	0.00E+00	0.00E+00	9.93E-08
4278	499783.91	3732490.17	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
4279	499793.65	3732489.22	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
4280	499803.39	3732488.28	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	3.57E-08	7.03E-08	0.00E+00	0.00E+00	1.06E-07
4281	499813.13	3732487.33	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.64E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
4282	499822.86	3732486.38	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.11E-07
4283	499832.6	3732485.44	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	3.80E-08	7.49E-08	0.00E+00	0.00E+00	1.13E-07
4284	499842.34	3732484.49	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.15E-07
4285	499852.08	3732483.54	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.82E-08	0.00E+00	0.00E+00	1.18E-07
4286	499861.82	3732482.6	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.28E-07	4.05E-08	7.99E-08	0.00E+00	0.00E+00	1.20E-07

4287	499871.56	3732481.65	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
4288	499881.3	3732480.7	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	4.23E-08	8.33E-08	0.00E+00	0.00E+00	1.26E-07
4289	499891.04	3732479.76	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	4.31E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
4290	499900.78	3732478.81	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.67E-08	0.00E+00	0.00E+00	1.31E-07
4291	499910.52	3732477.86	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
4292	499920.26	3732476.92	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	4.58E-08	9.02E-08	0.00E+00	0.00E+00	1.36E-07
4293	499930	3732475.97	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	4.67E-08	9.20E-08	0.00E+00	0.00E+00	1.39E-07
4294	499939.74	3732475.02	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	4.76E-08	9.37E-08	0.00E+00	0.00E+00	1.41E-07
4295	499949.48	3732474.08	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.70E-07	4.85E-08	9.55E-08	0.00E+00	0.00E+00	1.44E-07
4296	499959.22	3732473.13	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	4.93E-08	9.72E-08	0.00E+00	0.00E+00	1.47E-07
4297	499988.44	3732470.29	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
4298	499998.18	3732469.34	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
4299	500007.92	3732468.4	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
4300	500017.66	3732467.45	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.77E-07	5.44E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
4301	500027.4	3732466.51	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
4302	500037.14	3732465.56	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
4303	500046.88	3732464.61	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
4304	499309.46	3732961.21	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.31E-08
4305	499309.44	3732971.13	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
4306	499309.42	3732981.05	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.43E-08
4307	499309.4	3732990.98	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.48E-08
4308	499309.38	3733000.9	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
4309	499309.36	3733010.82	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
4310	499309.34	3733020.74	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.42E-08	0.00E+00	0.00E+00	6.66E-08
4311	499309.31	3733030.66	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.46E-08	0.00E+00	0.00E+00	6.72E-08
4312	499309.29	3733040.59	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.78E-08
4313	499309.27	3733050.51	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.84E-08
4314	499309.25	3733060.43	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.58E-08	0.00E+00	0.00E+00	6.90E-08
4315	499309.23	3733070.35	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.34E-08	4.62E-08	0.00E+00	0.00E+00	6.96E-08
4316	499309.21	3733080.27	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.66E-08	0.00E+00	0.00E+00	7.02E-08
4317	499309.19	3733090.19	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.70E-08	0.00E+00	0.00E+00	7.08E-08
4318	499309.17	3733100.12	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.74E-08	0.00E+00	0.00E+00	7.15E-08
4319	499309.15	3733110.04	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
4320	499309.13	3733119.96	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
4321	499309.11	3733129.88	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.34E-08
4322	499309.08	3733139.8	1.65E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.91E-08	0.00E+00	0.00E+00	7.40E-08
4323	499309.06	3733149.73	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
4324	499309.04	3733159.65	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.54E-08	4.99E-08	0.00E+00	0.00E+00	7.53E-08
4325	499309.02	3733169.57	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
4326	499309	3733179.49	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
4327	499308.98	3733189.41	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.73E-08
4328	499308.96	3733199.34	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.63E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
4329	499308.94	3733209.26	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.86E-08
4330	499308.92	3733219.18	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
4331	499308.9	3733229.1	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.31E-08	0.00E+00	0.00E+00	8.00E-08
4332	499308.87	3733239.02	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
4333	499308.85	3733248.94	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.14E-08
4334	499308.83	3733258.87	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.21E-08
4335	499308.81	3733268.79	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.28E-08
4336	499308.79	3733278.71	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.04E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.35E-08
4337	499274.08	3732952.53	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.83E-08
4338	499278.69	3732943.93	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.87E-08	0.00E+00	0.00E+00	5.84E-08
4339	499283.31	3732935.33	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
4340	499287.93	3732926.73	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
4341	499292.54	3732918.13	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.89E-08	0.00E+00	0.00E+00	5.87E-08
4342	499297.16	3732909.53	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
4343	499301.78	3732900.93	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.91E-08	0.00E+00	0.00E+00	5.89E-08
4344	499306.39	3732892.34	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.91E-08	0.00E+00	0.00E+00	5.90E-08
4345	499311.01	3732883.74	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
4346	499315.63	3732875.14	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
4347	499320.24	3732866.54	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	2.00E-08	3.93E-08	0.00E+00	0.00E+00	5.93E-08
4348	499407.96	3732703.16	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
4349	499412.57	3732694.56	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
4350	499417.19	3732685.97	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
4351	499421.8	3732677.37	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.99E-08	0.00E+00	0.00E+00	6.01E-08
4352	499458.74	3732608.58	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.97E-08	0.00E+00	0.00E+00	5.98E-08
4353	499463.35	3732599.98	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
4354	499467.97	3732591.38	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.96E-08
4355	499472.59	3732582.78	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
4356	499477.2	3732574.18	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.95E-08
4357	499481.82	3732565.58	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
4358	499486.44	3732556.98	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	2.00E-08	3.93E-08	0.00E+00	0.00E+00	5.93E-08
4359	499491.05	3732548.38	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
4360	499495.67	3732539.79	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
4361	499500.28	3732531.19	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.91E-08	0.00E+00	0.00E+00	5.90E-08
4362	499504.9	3732522.59	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.91E-08	0.00E+00	0.00E+00	5.89E-08
4363	499509.52	3732513.99	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
4364	499514.13	3732505.39	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.89E-08	0.00E+00	0.00E+00	5.87E-08
4365	499518.75	3732496.79	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
4366	499523.37	3732488.19	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
4367	499537.7	3732478.65	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.93E-08
4368	499547.41	3732477.71	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
4369	499557.13	3732476.76	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	2.07E-08	4.07E-08	0.00E+00	0.00E+00	6.14E-08
4370	499566.84	3732475.82	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
4371	499576.55	3732474.87	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.21E-08	0.00E+00	0.00E+00	6.35E-08
4372	499586.27	3732473.93	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.46E-08
4373	499595.98	3732472.99	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
4374	499605.69	3732472.04	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
4375	499615.41	3732471.1	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	2.29E-08	4.52E-08	0.00E+00	0.00E+00	6.81E-08
4376	499625.12	3732470.15	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
4377	499634.84	3732469.21	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.06E-08
4378	499644.55	3732468.27	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.42E-08	4.77E-08	0.00E+00	0.00E+00	7.19E-08
4379	499654.26	3732467.32	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.86E-08	0.00E+00	0.00E+00	7.33E-08
4380	499663.98	3732466.38	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.52E-08	4.95E-08	0.00E+00	0.00E+00	7.47E-08
4381	499673.69	3732465.43	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
4382	499683.41	3732464.49	1.74E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
4383	499693.12	3732463.55	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
4384	499702.83	3732462.6	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
4385	499712.55	3732461.66	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.46E-08	0.00E+00	0.00E+00	8.23E-08
4386	499722.26	3732460.71	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.39E-08
4387	499731.98	3732459.77	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
4388	499741.69	3732458.82	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
4389	499751.4	3732457.88	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.92E-08
4390	499761.12	3732456.94	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.10E-08
4391	499770.83	3732455.99	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	3.13E-08	6.16E-08	0.00E+00	0.00E+00	9.28E-08
4392	499780.54	3732455.05	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
4393	499790.26	3732454.1	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.26E-08	6.42E-08	0.00E+00	0.00E+00	9.67E-08
4394	499799.97	3732453.16	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
4395	499809.69	3732452.22	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
4396	499819.4	3732451.27	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
4397	499829.11	3732450.33	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
4398	499838.83	3732449.38	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	3.61E-08	7.10E-08	0.00E+00	0.00E+00	1.07E-07
4399	499848.54	3732448.44	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
4400	499858.26	3732447.5	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	3.75E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
4401	499867.97	3732446.55	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.55E-08	0.00E+00	0.00E+00	1.14E-07
4402	499877.68	3732445.61	2.59E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
4403	499887.4	3732444.66	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
4404	499897.11	3732443.72	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	4.06E-08	8.00E-08	0.00E+00	0.00E+00	1.21E-07
4405	499906.83	3732442.78	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.16E-08	0.00E+00	0.00E+00	1.23E-07
4406	499916.54	3732441.83	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
4407	499926.25	3732440.89	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	4.30E-08	8.47E-08	0.00E+00	0.00E+00	1.28E-07
4408	499965.11	3732437.11	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.08E-08	0.00E+00	0.00E+00	1.37E-07
4409	499974.82	3732436.17	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	4.69E-08	9.24E-08	0.00E+00	0.00E+00	1.39E-07
4410	499984.54	3732435.22	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	4.77E-08	9.39E-08	0.00E+00	0.00E+00	1.42E-07
4411	499994.25	3732434.28	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.54E-08	0.00E+00	0.00E+00	1.44E-07
4412	500003.96	3732433.33	3.26E-07	5.56E-07	0.00E+00	0.00E+00	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.56E-07	0.00E+00	0.00E+00	8.82E-07	4.92E-08	9.68E-08	0.00E+00	0.00E+00	1.46E-07
4413	500013.68	3732432.39	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	4.99E-08	9.83E-08	0.00E+00	0.00E+00	1.48E-07
4414	500023.39	3732431.45	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	5.06E-08	9.97E-08	0.00E+00	0.00E+00	1.50E-07
4415	500033.11	3732430.5	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
4416	500042.82	3732429.56	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07

4417	500052.53	3732428.61	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
4418	500062.25	3732427.67	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
4419	499269.46	3732961.13	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.81E-08
4420	499269.44	3732971.05	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
4421	499269.42	3732980.97	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
4422	499269.4	3732990.89	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
4423	499269.38	3733000.81	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.99E-08	0.00E+00	0.00E+00	6.01E-08
4424	499269.36	3733010.74	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
4425	499269.34	3733020.66	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
4426	499269.31	3733030.58	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.09E-08	0.00E+00	0.00E+00	6.16E-08
4427	499269.29	3733040.5	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.21E-08
4428	499269.27	3733050.42	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.26E-08
4429	499269.25	3733060.34	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.32E-08
4430	499269.23	3733070.27	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.37E-08
4431	499269.21	3733080.19	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
4432	499269.19	3733090.11	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
4433	499269.17	3733100.03	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.53E-08
4434	499269.15	3733109.95	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.58E-08
4435	499269.13	3733119.88	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.64E-08
4436	499269.11	3733129.8	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
4437	499269.08	3733139.72	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
4438	499269.06	3733149.64	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
4439	499269.04	3733159.56	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08
4440	499269.02	3733169.49	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
4441	499269	3733179.41	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.97E-08
4442	499268.98	3733189.33	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.66E-08	0.00E+00	0.00E+00	7.03E-08
4443	499268.96	3733199.25	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
4444	499268.94	3733209.17	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.74E-08	0.00E+00	0.00E+00	7.15E-08
4445	499268.92	3733219.09	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.20E-08
4446	499268.9	3733229.02	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.26E-08
4447	499268.88	3733238.94	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	2.47E-08	4.86E-08	0.00E+00	0.00E+00	7.32E-08
4448	499268.85	3733248.86	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.38E-08
4449	499268.83	3733258.78	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.44E-08
4450	499268.81	3733268.7	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	2.52E-08	4.97E-08	0.00E+00	0.00E+00	7.50E-08
4451	499268.79	3733278.63	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.01E-08	0.00E+00	0.00E+00	7.56E-08
4452	499234.15	3732952.32	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
4453	499238.83	3732943.59	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.39E-08
4454	499243.51	3732934.87	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.40E-08
4455	499248.2	3732926.14	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
4456	499252.88	3732917.42	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.42E-08
4457	499257.56	3732908.7	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
4458	499262.25	3732899.97	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.45E-08
4459	499266.93	3732891.25	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.45E-08
4460	499271.62	3732882.52	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
4461	499276.3	3732873.8	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
4462	499280.98	3732865.07	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.48E-08
4463	499285.67	3732856.35	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
4464	499416.82	3732612.06	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
4465	499421.5	3732603.34	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
4466	499426.19	3732594.62	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
4467	499430.87	3732585.89	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.67E-08	0.00E+00	0.00E+00	5.54E-08
4468	499435.55	3732577.17	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
4469	499440.24	3732568.44	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
4470	499444.92	3732559.72	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
4471	499449.61	3732550.99	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.51E-08
4472	499454.29	3732542.27	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.51E-08
4473	499458.97	3732533.55	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
4474	499463.66	3732524.82	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
4475	499468.34	3732516.1	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.48E-08
4476	499473.03	3732507.37	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
4477	499477.71	3732498.65	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
4478	499482.39	3732489.92	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.45E-08
4479	499487.08	3732481.2	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
4480	499491.76	3732472.47	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
4481	499496.45	3732463.75	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.42E-08
4482	499501.13	3732455.03	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
4483	499515.67	3732445.34	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
4484	499525.52	3732444.39	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.58E-08
4485	499535.38	3732443.43	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.67E-08
4486	499545.24	3732442.47	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.76E-08
4487	499555.09	3732441.51	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
4488	499564.95	3732440.55	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
4489	499574.8	3732439.6	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
4490	499584.66	3732438.64	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.09E-08	0.00E+00	0.00E+00	6.16E-08
4491	499594.52	3732437.68	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
4492	499604.37	3732436.72	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.38E-08
4493	499614.23	3732435.76	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.19E-08	4.30E-08	0.00E+00	0.00E+00	6.49E-08
4494	499624.08	3732434.81	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.61E-08
4495	499633.94	3732433.85	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.46E-08	0.00E+00	0.00E+00	6.73E-08
4496	499643.79	3732432.89	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
4497	499653.65	3732431.93	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.97E-08
4498	499663.51	3732430.97	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
4499	499673.36	3732430.02	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.37E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
4500	499683.22	3732429.06	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.38E-08
4501	499693.07	3732428.1	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
4502	499702.93	3732427.14	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
4503	499712.79	3732426.19	1.75E-07	2.97E-07	0.00E+00	0.00E+00	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.97E-07	0.00E+00	0.00E+00	4.72E-07	2.63E-08	5.18E-08	0.00E+00	0.00E+00	7.81E-08
4504	499722.64	3732425.23	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
4505	499732.5	3732424.27	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.12E-08
4506	499742.35	3732423.31	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.28E-08
4507	499752.21	3732422.35	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.44E-08
4508	499762.06	3732421.4	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
4509	499771.92	3732420.44	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.82E-08	0.00E+00	0.00E+00	8.78E-08
4510	499781.78	3732419.48	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.02E-08	5.94E-08	0.00E+00	0.00E+00	8.96E-08
4511	499791.63	3732418.52	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.08E-08	6.06E-08	0.00E+00	0.00E+00	9.14E-08
4512	499801.49	3732417.56	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
4513	499811.34	3732416.61	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
4514	499821.2	3732415.65	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.27E-08	6.43E-08	0.00E+00	0.00E+00	9.70E-08
4515	499831.05	3732414.69	2.21E-07	3.77E-07	0.00E+00	0.00E+00	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.77E-07	0.00E+00	0.00E+00	5.98E-07	3.33E-08	6.56E-08	0.00E+00	0.00E+00	9.89E-08
4516	499840.91	3732413.73	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
4517	499850.77	3732412.78	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
4518	499860.62	3732411.82	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
4519	499870.48	3732410.86	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
4520	499880.33	3732409.9	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
4521	499890.19	3732408.94	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
4522	499900.05	3732407.99	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	3.81E-08	7.51E-08	0.00E+00	0.00E+00	1.13E-07
4523	499939.47	3732404.15	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
4524	499949.32	3732403.2	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
4525	499959.18	3732402.24	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
4526	499969.04	3732401.28	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.49E-08	0.00E+00	0.00E+00	1.28E-07
4527	499978.89	3732400.32	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
4528	499988.75	3732399.37	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	4.45E-08	8.76E-08	0.00E+00	0.00E+00	1.32E-07
4529	499998.6	3732398.41	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
4530	500008.46	3732397.45	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	4.58E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
4531	500018.32	3732396.49	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	4.65E-08	9.16E-08	0.00E+00	0.00E+00	1.38E-07
4532	500028.17	3732395.53	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	4.72E-08	9.29E-08	0.00E+00	0.00E+00	1.40E-07
4533	500038.03	3732394.58	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.58E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
4534	500047.88	3732393.62	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.54E-08	0.00E+00	0.00E+00	1.44E-07
4535	500057.74	3732392.66	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.66E-08	0.00E+00	0.00E+00	1.46E-07
4536	500067.59	3732391.7	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.77E-08	0.00E+00	0.00E+00	1.47E-07
4537	500077.45	3732390.74	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.02E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
4538	499229.46	3732961.04	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.37E-08
4539	499229.44	3732970.96	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
4540	499229.42	3732980.89	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
4541	499229.4	3732990.81	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
4542	499229.38	3733000.73	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.54E-08
4543	499229.36	3733010.65	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
4544	499229.34	3733020.57	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.63E-08
4545	499229.31	3733030.49	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
4546	499229.29	3733040.42	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.72E-08

4547	499229.27	3733050.34	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
4548	499229.25	3733060.26	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.81E-08
4549	499229.23	3733070.18	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
4550	499229.21	3733080.1	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
4551	499229.19	3733090.03	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.00E-08	3.95E-08	0.00E+00	0.00E+00	5.95E-08
4552	499229.17	3733099.95	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
4553	499229.15	3733109.87	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.05E-08
4554	499229.13	3733119.79	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
4555	499229.11	3733129.71	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	2.07E-08	4.07E-08	0.00E+00	0.00E+00	6.14E-08
4556	499229.08	3733139.64	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.11E-08	0.00E+00	0.00E+00	6.19E-08
4557	499229.06	3733149.56	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
4558	499229.04	3733159.48	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.29E-08
4559	499229.02	3733169.4	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.34E-08
4560	499229	3733179.32	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
4561	499228.98	3733189.24	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
4562	499228.96	3733199.17	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.48E-08
4563	499228.94	3733209.09	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.53E-08
4564	499228.92	3733219.01	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.58E-08
4565	499228.9	3733228.93	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.64E-08
4566	499228.88	3733238.85	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.69E-08
4567	499228.85	3733248.78	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
4568	499228.83	3733258.7	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	2.29E-08	4.50E-08	0.00E+00	0.00E+00	6.79E-08
4569	499228.81	3733268.62	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.54E-08	0.00E+00	0.00E+00	6.84E-08
4570	499228.79	3733278.54	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
4571	499194.13	3732952.26	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	5.00E-08
4572	499198.8	3732943.56	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
4573	499203.47	3732934.86	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.02E-08
4574	499208.14	3732926.17	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.02E-08
4575	499212.81	3732917.47	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.34E-08	0.00E+00	0.00E+00	5.03E-08
4576	499217.48	3732908.77	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.04E-08
4577	499222.15	3732900.07	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
4578	499226.82	3732891.38	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
4579	499231.49	3732882.68	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
4580	499236.16	3732873.98	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
4581	499240.83	3732865.28	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
4582	499245.5	3732856.59	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.71E-08	3.38E-08	0.00E+00	0.00E+00	5.09E-08
4583	499250.17	3732847.89	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
4584	499254.83	3732839.19	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
4585	499338.89	3732682.63	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
4586	499343.56	3732673.94	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
4587	499348.23	3732665.24	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
4588	499352.9	3732656.54	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
4589	499357.56	3732647.84	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
4590	499399.59	3732569.56	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.16E-08
4591	499404.26	3732560.87	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
4592	499408.93	3732552.17	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.15E-08
4593	499413.6	3732543.47	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
4594	499418.27	3732534.77	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
4595	499422.94	3732526.08	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.13E-08
4596	499427.61	3732517.38	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.72E-08	3.40E-08	0.00E+00	0.00E+00	5.12E-08
4597	499432.28	3732508.68	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
4598	499436.95	3732499.98	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
4599	499460.29	3732456.5	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
4600	499464.96	3732447.8	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.06E-08
4601	499469.63	3732439.1	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
4602	499474.3	3732430.4	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.04E-08
4603	499478.97	3732421.7	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.34E-08	0.00E+00	0.00E+00	5.03E-08
4604	499493.47	3732412.05	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
4605	499503.29	3732411.1	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
4606	499513.12	3732410.14	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
4607	499562.25	3732405.37	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
4608	499572.07	3732404.41	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.95E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08
4609	499581.9	3732403.46	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.87E-08
4610	499591.72	3732402.5	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
4611	499601.55	3732401.55	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	2.04E-08	4.03E-08	0.00E+00	0.00E+00	6.07E-08
4612	499611.37	3732400.59	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.17E-08
4613	499621.2	3732399.64	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.11E-08	4.17E-08	0.00E+00	0.00E+00	6.28E-08
4614	499631.03	3732398.68	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
4615	499640.85	3732397.73	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
4616	499650.68	3732396.77	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
4617	499660.5	3732395.82	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
4618	499670.33	3732394.86	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08
4619	499680.15	3732393.91	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
4620	499689.98	3732392.95	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	2.39E-08	4.72E-08	0.00E+00	0.00E+00	7.11E-08
4621	499699.8	3732392	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
4622	499709.63	3732391.04	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.38E-08
4623	499719.46	3732390.09	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.51E-08
4624	499729.28	3732389.13	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.65E-08
4625	499739.11	3732388.18	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.63E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
4626	499748.93	3732387.22	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.68E-08	5.27E-08	0.00E+00	0.00E+00	7.95E-08
4627	499758.76	3732386.27	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.73E-08	5.37E-08	0.00E+00	0.00E+00	8.10E-08
4628	499768.58	3732385.31	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
4629	499778.41	3732384.36	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
4630	499788.23	3732383.4	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
4631	499798.06	3732382.45	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
4632	499807.88	3732381.49	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
4633	499817.71	3732380.54	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
4634	499827.54	3732379.58	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.24E-08
4635	499837.36	3732378.63	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
4636	499847.19	3732377.67	2.15E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	3.23E-08	6.37E-08	0.00E+00	0.00E+00	9.60E-08
4637	499857.01	3732376.72	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.78E-08
4638	499866.84	3732375.77	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.35E-08	6.61E-08	0.00E+00	0.00E+00	9.96E-08
4639	499876.66	3732374.81	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
4640	499915.97	3732370.99	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
4641	499925.79	3732370.04	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.35E-08	0.00E+00	0.00E+00	1.11E-07
4642	499935.62	3732369.08	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	3.80E-08	7.48E-08	0.00E+00	0.00E+00	1.13E-07
4643	499945.44	3732368.13	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.60E-08	0.00E+00	0.00E+00	1.15E-07
4644	499955.27	3732367.17	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.73E-08	0.00E+00	0.00E+00	1.17E-07
4645	499965.09	3732366.22	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
4646	499974.92	3732365.26	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
4647	499984.74	3732364.31	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
4648	499994.57	3732363.35	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	4.18E-08	8.22E-08	0.00E+00	0.00E+00	1.24E-07
4649	500004.4	3732362.4	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
4650	500014.22	3732361.44	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	4.30E-08	8.46E-08	0.00E+00	0.00E+00	1.28E-07
4651	500024.05	3732360.49	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	4.36E-08	8.58E-08	0.00E+00	0.00E+00	1.29E-07
4652	500033.87	3732359.53	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.41E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
4653	500043.7	3732358.58	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.47E-08	8.81E-08	0.00E+00	0.00E+00	1.33E-07
4654	500053.52	3732357.62	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.34E-07
4655	500063.35	3732356.67	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	4.58E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
4656	500073.17	3732355.71	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	4.63E-08	9.13E-08	0.00E+00	0.00E+00	1.38E-07
4657	500083	3732354.76	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	4.69E-08	9.23E-08	0.00E+00	0.00E+00	1.39E-07
4658	500092.83	3732353.8	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	4.73E-08	9.33E-08	0.00E+00	0.00E+00	1.41E-07
4659	499189.46	3732960.96	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
4660	499189.44	3732970.88	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.02E-08
4661	499189.42	3732980.8	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
4662	499189.4	3732990.72	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
4663	499189.38	3733000.64	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
4664	499189.36	3733010.57	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
4665	499189.34	3733020.49	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.22E-08
4666	499189.31	3733030.41	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
4667	499189.29	3733040.33	1.18E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.30E-08
4668	499189.27	3733050.25	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
4669	499189.25	3733060.18	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
4670	499189.23	3733070.1	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
4671	499189.21	3733080.02	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
4672	499189.19	3733089.94	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
4673	499189.17	3733099.86	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.54E-08
4674	499189.15	3733109.79	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.58E-08
4675	499189.13	3733119.71	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
4676	499189.11	3733129.63	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.66E-08

4677	499189.08	3733139.55	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.71E-08
4678	499189.06	3733149.47	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	1.94E-08	3.81E-08	0.00E+00	0.00E+00	5.75E-08
4679	499189.04	3733159.39	1.30E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.79E-08
4680	499189.02	3733169.32	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.96E-08	3.87E-08	0.00E+00	0.00E+00	5.83E-08
4681	499189	3733179.24	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
4682	499188.98	3733189.16	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
4683	499188.96	3733199.08	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.96E-08
4684	499188.94	3733209	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.01E-08
4685	499188.92	3733218.93	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.05E-08
4686	499188.9	3733228.85	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
4687	499188.88	3733238.77	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	2.07E-08	4.07E-08	0.00E+00	0.00E+00	6.14E-08
4688	499188.85	3733248.69	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.18E-08
4689	499188.83	3733258.61	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.23E-08
4690	499188.81	3733268.54	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
4691	499188.79	3733278.46	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.32E-08
4692	499154.12	3732952.2	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.65E-08
4693	499158.78	3732943.52	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
4694	499163.43	3732934.85	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
4695	499168.09	3732926.18	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.10E-08	0.00E+00	0.00E+00	4.68E-08
4696	499172.75	3732917.5	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
4697	499177.4	3732908.83	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
4698	499182.06	3732900.15	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
4699	499186.72	3732891.48	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.12E-08	0.00E+00	0.00E+00	4.71E-08
4700	499191.37	3732882.81	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
4701	499196.03	3732874.13	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.73E-08
4702	499200.69	3732865.46	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
4703	499205.34	3732856.78	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.60E-08	3.14E-08	0.00E+00	0.00E+00	4.74E-08
4704	499210	3732848.11	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
4705	499214.66	3732839.44	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.76E-08
4706	499219.31	3732830.76	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
4707	499223.97	3732822.09	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	1.61E-08	3.16E-08	0.00E+00	0.00E+00	4.77E-08
4708	499307.79	3732665.96	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4709	499312.45	3732657.28	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4710	499317.11	3732648.61	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4711	499321.77	3732639.93	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4712	499326.42	3732631.26	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4713	499331.08	3732622.59	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4714	499335.74	3732613.91	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4715	499340.39	3732605.24	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4716	499345.05	3732596.56	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4717	499349.71	3732587.89	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.83E-08
4718	499354.36	3732579.22	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
4719	499359.02	3732570.54	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
4720	499363.68	3732561.87	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
4721	499410.25	3732475.13	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.77E-08
4722	499414.9	3732466.45	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
4723	499419.56	3732457.78	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
4724	499424.22	3732449.11	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
4725	499428.87	3732440.43	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.60E-08	3.14E-08	0.00E+00	0.00E+00	4.74E-08
4726	499433.53	3732431.76	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
4727	499438.19	3732423.08	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
4728	499442.84	3732414.41	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.71E-08
4729	499447.5	3732405.74	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.71E-08
4730	499452.16	3732397.06	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
4731	499456.81	3732388.39	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
4732	499471.27	3732378.76	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
4733	499481.07	3732377.81	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
4734	499490.87	3732376.86	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.65E-08	3.24E-08	0.00E+00	0.00E+00	4.89E-08
4735	499500.67	3732375.9	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
4736	499510.47	3732374.95	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.03E-08
4737	499520.26	3732374	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
4738	499530.06	3732373.05	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
4739	499539.86	3732372.1	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.27E-08
4740	499549.66	3732371.14	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
4741	499559.46	3732370.19	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
4742	499569.26	3732369.24	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
4743	499579.06	3732368.29	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
4744	499755.44	3732351.14	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.61E-07	2.57E-08	5.06E-08	0.00E+00	0.00E+00	7.63E-08
4745	499765.24	3732350.19	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.77E-08
4746	499775.04	3732349.24	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
4747	499784.83	3732348.29	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.35E-08	0.00E+00	0.00E+00	8.06E-08
4748	499794.63	3732347.33	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.21E-08
4749	499804.43	3732346.38	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.36E-08
4750	499873.02	3732339.72	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.47E-08
4751	499882.82	3732338.76	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.39E-08	0.00E+00	0.00E+00	9.64E-08
4752	499892.62	3732337.81	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.93E-07	3.30E-08	6.51E-08	0.00E+00	0.00E+00	9.81E-08
4753	499902.42	3732336.86	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
4754	499912.22	3732335.91	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
4755	499922.02	3732334.95	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
4756	499931.82	3732334	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
4757	499941.62	3732333.05	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
4758	499951.42	3732332.1	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.65E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
4759	499961.21	3732331.14	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	3.70E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
4760	499971.01	3732330.19	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.41E-08	0.00E+00	0.00E+00	1.12E-07
4761	499980.81	3732329.24	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
4762	499990.61	3732328.29	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	3.87E-08	7.63E-08	0.00E+00	0.00E+00	1.15E-07
4763	500000.41	3732327.34	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	3.93E-08	7.74E-08	0.00E+00	0.00E+00	1.17E-07
4764	500010.21	3732326.38	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
4765	500020.01	3732325.43	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	4.04E-08	7.96E-08	0.00E+00	0.00E+00	1.20E-07
4766	500029.81	3732324.48	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.06E-08	0.00E+00	0.00E+00	1.22E-07
4767	500039.6	3732323.53	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	4.14E-08	8.16E-08	0.00E+00	0.00E+00	1.23E-07
4768	500049.4	3732322.57	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	4.20E-08	8.26E-08	0.00E+00	0.00E+00	1.25E-07
4769	500059.2	3732321.62	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.36E-08	0.00E+00	0.00E+00	1.26E-07
4770	500069	3732320.67	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	4.29E-08	8.46E-08	0.00E+00	0.00E+00	1.28E-07
4771	500078.8	3732319.72	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
4772	500088.6	3732318.76	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
4773	500098.4	3732317.81	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
4774	500108.2	3732316.86	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
4775	499149.46	3732960.87	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.56E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
4776	499149.44	3732970.79	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.10E-08	0.00E+00	0.00E+00	4.68E-08
4777	499149.42	3732980.72	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.71E-08
4778	499149.4	3732990.64	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
4779	499149.38	3733000.56	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
4780	499149.36	3733010.48	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
4781	499149.34	3733020.4	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
4782	499149.31	3733030.33	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.24E-08	0.00E+00	0.00E+00	4.88E-08
4783	499149.29	3733040.25	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.66E-08	3.26E-08	0.00E+00	0.00E+00	4.92E-08
4784	499149.27	3733050.17	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.95E-08
4785	499149.25	3733060.09	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
4786	499149.23	3733070.01	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.03E-08
4787	499149.21	3733079.94	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
4788	499149.19	3733089.86	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
4789	499149.17	3733099.78	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.13E-08
4790	499149.15	3733109.7	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
4791	499149.13	3733119.62	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.21E-08
4792	499149.11	3733129.54	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.24E-08
4793	499149.08	3733139.47	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
4794	499149.06	3733149.39	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.32E-08
4795	499149.04	3733159.31	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.36E-08
4796	499149.02	3733169.23	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.39E-08
4797	499149	3733179.15	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
4798	499148.98	3733189.08	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
4799	499148.96	3733199	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.51E-08
4800	499148.94	3733208.92	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
4801	499148.92	3733218.84	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.59E-08
4802	499148.9	3733228.76	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
4803	499148.88	3733238.69	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.66E-08
4804	499148.85	3733248.61	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
4805	499148.83	3733258.53	1.28E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	1.93E-08	3.81E-08	0.00E+00	0.00E+00	5.74E-08
4806	499148.81	3733268.45	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.95E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08

4807	499148.79	3733278.37	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
4808	499114.11	3732952.14	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
4809	499118.75	3732943.48	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
4810	499123.4	3732934.83	9.76E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
4811	499128.04	3732926.18	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
4812	499132.69	3732917.52	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.38E-08
4813	499137.34	3732908.87	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
4814	499141.98	3732900.22	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
4815	499146.63	3732891.56	9.84E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
4816	499151.27	3732882.91	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
4817	499155.92	3732874.26	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
4818	499160.56	3732865.6	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
4819	499165.21	3732856.95	9.90E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
4820	499169.85	3732848.3	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
4821	499174.5	3732839.65	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.44E-08
4822	499179.15	3732830.99	9.95E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.45E-08
4823	499183.79	3732822.34	9.96E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.45E-08
4824	499188.44	3732813.69	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
4825	499276.7	3732649.28	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
4826	499281.35	3732640.62	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
4827	499286	3732631.97	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
4828	499290.64	3732623.32	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
4829	499295.29	3732614.67	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
4830	499299.93	3732606.01	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
4831	499304.58	3732597.36	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
4832	499309.22	3732588.71	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
4833	499313.87	3732580.05	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
4834	499318.51	3732571.4	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
4835	499323.16	3732562.75	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
4836	499327.81	3732554.09	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
4837	499332.45	3732545.44	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
4838	499337.1	3732536.79	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
4839	499341.74	3732528.13	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
4840	499346.39	3732519.48	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
4841	499351.03	3732510.83	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.50E-08
4842	499355.68	3732502.18	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
4843	499406.78	3732406.99	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
4844	499411.43	3732398.34	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
4845	499425.36	3732372.38	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
4846	499430.01	3732363.73	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
4847	499434.65	3732355.07	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
4848	499449.08	3732345.47	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
4849	499458.85	3732344.52	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
4850	499468.63	3732343.57	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.56E-08
4851	499478.4	3732342.62	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
4852	499488.18	3732341.67	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
4853	499497.95	3732340.72	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
4854	499507.73	3732339.77	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
4855	499517.5	3732338.82	1.10E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
4856	499527.28	3732337.87	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.30E-08	0.00E+00	0.00E+00	4.97E-08
4857	499537.05	3732336.92	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.04E-08
4858	499546.83	3732335.97	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.40E-08	0.00E+00	0.00E+00	5.12E-08
4859	499556.6	3732335.02	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
4860	499566.38	3732334.07	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
4861	499576.15	3732333.12	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.36E-08
4862	499585.93	3732332.17	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
4863	499595.7	3732331.22	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.53E-08
4864	499605.48	3732330.27	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
4865	499615.25	3732329.32	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
4866	499625.03	3732328.37	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.79E-08
4867	499634.8	3732327.42	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.91E-08	0.00E+00	0.00E+00	5.89E-08
4868	499644.58	3732326.47	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.97E-08	0.00E+00	0.00E+00	5.99E-08
4869	499654.36	3732325.52	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.08E-08
4870	499664.13	3732324.57	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.19E-08
4871	499673.91	3732323.62	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.29E-08
4872	499683.68	3732322.67	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.40E-08
4873	499693.46	3732321.72	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
4874	499703.23	3732320.77	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
4875	499713.01	3732319.82	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.46E-08	0.00E+00	0.00E+00	6.73E-08
4876	499722.78	3732318.87	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
4877	499732.56	3732317.92	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.62E-08	0.00E+00	0.00E+00	6.97E-08
4878	499742.33	3732316.97	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
4879	499752.11	3732316.02	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
4880	499761.88	3732315.07	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.34E-08
4881	499771.66	3732314.12	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.47E-08
4882	499781.43	3732313.17	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
4883	499791.21	3732312.22	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.73E-08
4884	499800.98	3732311.27	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.87E-08
4885	499810.76	3732310.32	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
4886	499820.53	3732309.37	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.15E-08
4887	499830.31	3732308.42	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
4888	499840.08	3732307.47	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.43E-08
4889	499849.86	3732306.52	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.58E-08
4890	499859.63	3732305.57	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.72E-08
4891	499869.41	3732304.62	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.87E-08
4892	499879.19	3732303.67	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.02E-08
4893	499888.96	3732302.72	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.09E-08	0.00E+00	0.00E+00	9.17E-08
4894	499898.74	3732301.77	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
4895	499908.51	3732300.82	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
4896	499918.29	3732299.87	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
4897	499928.06	3732298.92	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.91E-07	3.30E-08	6.49E-08	0.00E+00	0.00E+00	9.79E-08
4898	499937.84	3732297.97	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.59E-08	0.00E+00	0.00E+00	9.94E-08
4899	499947.61	3732297.02	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
4900	499957.39	3732296.07	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
4901	499967.16	3732295.12	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
4902	499976.94	3732294.17	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.55E-08	7.00E-08	0.00E+00	0.00E+00	1.06E-07
4903	499986.71	3732293.22	2.39E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.08E-07	0.00E+00	0.00E+00	6.47E-07	3.61E-08	7.10E-08	0.00E+00	0.00E+00	1.07E-07
4904	499996.49	3732292.27	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	3.66E-08	7.20E-08	0.00E+00	0.00E+00	1.09E-07
4905	500006.26	3732291.32	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	3.71E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
4906	500016.04	3732290.37	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
4907	500025.81	3732289.42	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	3.80E-08	7.50E-08	0.00E+00	0.00E+00	1.13E-07
4908	500035.59	3732288.47	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.85E-08	7.59E-08	0.00E+00	0.00E+00	1.14E-07
4909	500045.36	3732287.52	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	3.90E-08	7.68E-08	0.00E+00	0.00E+00	1.16E-07
4910	500055.14	3732286.57	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.95E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
4911	500064.91	3732285.62	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.19E-07
4912	500074.69	3732284.67	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.24E-07	4.04E-08	7.95E-08	0.00E+00	0.00E+00	1.20E-07
4913	500084.46	3732283.72	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	4.08E-08	8.04E-08	0.00E+00	0.00E+00	1.21E-07
4914	500094.24	3732282.77	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
4915	500104.02	3732281.82	2.76E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
4916	500113.79	3732280.87	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	4.20E-08	8.27E-08	0.00E+00	0.00E+00	1.25E-07
4917	500123.57	3732279.92	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
4918	499109.46	3732960.79	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
4919	499109.44	3732970.71	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
4920	499109.42	3732980.63	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
4921	499109.4	3732990.55	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
4922	499109.38	3733000.48	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
4923	499109.36	3733010.4	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.49E-08
4924	499109.34	3733020.32	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
4925	499109.32	3733030.24	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.55E-08
4926	499109.29	3733040.16	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.59E-08
4927	499109.27	3733050.09	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.62E-08
4928	499109.25	3733060.01	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
4929	499109.23	3733069.93	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.10E-08	0.00E+00	0.00E+00	4.68E-08
4930	499109.21	3733079.85	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.71E-08
4931	499109.19	3733089.77	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.74E-08
4932	499109.17	3733099.69	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
4933	499109.15	3733109.62	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
4934	499109.13	3733119.54	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
4935	499109.11	3733129.46	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.88E-08
4936	499109.08	3733139.38	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.91E-08

4937	499109.06	3733149.3	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	1.66E-08	3.28E-08	0.00E+00	0.00E+00	4.94E-08
4938	499109.04	3733159.23	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.30E-08	0.00E+00	0.00E+00	4.97E-08
4939	499109.02	3733169.15	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
4940	499109	3733179.07	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.04E-08
4941	499108.98	3733188.99	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
4942	499108.96	3733198.91	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
4943	499108.94	3733208.84	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
4944	499108.92	3733218.76	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
4945	499108.9	3733228.68	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.75E-08	3.46E-08	0.00E+00	0.00E+00	5.21E-08
4946	499108.88	3733238.6	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
4947	499108.85	3733248.52	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
4948	499108.83	3733258.44	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
4949	499108.81	3733268.37	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
4950	499108.79	3733278.29	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
4951	499074.1	3732952.07	9.12E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.08E-08
4952	499078.73	3732943.44	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
4953	499083.37	3732934.8	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
4954	499088	3732926.17	9.16E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.10E-08
4955	499092.64	3732917.53	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.10E-08
4956	499097.28	3732908.9	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.73E-08	0.00E+00	0.00E+00	4.11E-08
4957	499101.91	3732900.26	9.20E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.11E-08
4958	499106.55	3732891.63	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
4959	499111.18	3732882.99	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
4960	499115.82	3732874.36	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
4961	499120.45	3732865.73	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.75E-08	0.00E+00	0.00E+00	4.14E-08
4962	499125.09	3732857.09	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.75E-08	0.00E+00	0.00E+00	4.15E-08
4963	499129.72	3732848.46	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.75E-08	0.00E+00	0.00E+00	4.15E-08
4964	499134.36	3732839.82	9.30E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.16E-08
4965	499139	3732831.19	9.31E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.16E-08
4966	499143.63	3732822.55	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
4967	499148.27	3732813.92	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
4968	499152.9	3732805.29	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
4969	499157.54	3732796.65	9.37E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
4970	499273.43	3732580.79	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
4971	499278.06	3732572.16	9.51E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
4972	499282.7	3732563.52	9.51E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
4973	499287.33	3732554.89	9.51E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
4974	499291.97	3732546.25	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
4975	499296.6	3732537.62	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
4976	499301.24	3732528.99	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
4977	499305.88	3732520.35	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
4978	499310.51	3732511.72	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
4979	499315.15	3732503.08	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.23E-08
4980	499426.88	3732312.18	9.30E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.16E-08
4981	499436.64	3732311.23	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-08	1.60E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
4982	499446.39	3732310.28	9.55E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
4983	499456.15	3732309.33	9.68E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
4984	499465.9	3732308.39	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
4985	499475.65	3732307.44	9.94E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.45E-08
4986	499485.41	3732306.49	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
4987	499495.16	3732305.54	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
4988	499504.92	3732304.6	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
4989	499514.67	3732303.65	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
4990	499524.42	3732302.7	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.77E-08
4991	499534.18	3732301.75	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.83E-08
4992	499543.93	3732300.8	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
4993	499553.69	3732299.86	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.30E-08	0.00E+00	0.00E+00	4.98E-08
4994	499563.44	3732298.91	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
4995	499573.2	3732297.96	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.12E-08
4996	499582.95	3732297.01	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
4997	499592.7	3732296.06	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
4998	499602.46	3732295.12	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.36E-08
4999	499612.21	3732294.17	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
5000	499621.97	3732293.22	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
5001	499631.72	3732292.27	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.62E-08
5002	499641.47	3732291.32	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
5003	499651.23	3732290.38	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.80E-08
5004	499660.98	3732289.43	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.91E-08	0.00E+00	0.00E+00	5.89E-08
5005	499670.74	3732288.48	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.97E-08	0.00E+00	0.00E+00	5.98E-08
5006	499680.49	3732287.53	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.03E-08	0.00E+00	0.00E+00	6.08E-08
5007	499690.24	3732286.58	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.18E-08
5008	499700	3732285.64	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.28E-08
5009	499709.75	3732284.69	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
5010	499719.51	3732283.74	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.49E-08
5011	499729.26	3732282.79	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
5012	499739.01	3732281.84	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.71E-08
5013	499748.77	3732280.9	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
5014	499758.52	3732279.95	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
5015	499768.28	3732279	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.68E-08	0.00E+00	0.00E+00	7.06E-08
5016	499778.03	3732278.05	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
5017	499787.78	3732277.1	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.46E-08	4.84E-08	0.00E+00	0.00E+00	7.30E-08
5018	499797.54	3732276.16	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.42E-08
5019	499807.29	3732275.21	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.01E-08	0.00E+00	0.00E+00	7.55E-08
5020	499817.05	3732274.26	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
5021	499826.8	3732273.31	1.75E-07	2.97E-07	0.00E+00	0.00E+00	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.97E-07	0.00E+00	0.00E+00	4.72E-07	2.63E-08	5.18E-08	0.00E+00	0.00E+00	7.80E-08
5022	499836.56	3732272.36	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
5023	499846.31	3732271.42	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
5024	499856.06	3732270.47	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.20E-08
5025	499865.82	3732269.52	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	2.81E-08	5.53E-08	0.00E+00	0.00E+00	8.33E-08
5026	499875.57	3732268.57	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
5027	499885.33	3732267.62	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
5028	499895.08	3732266.68	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
5029	499904.83	3732265.73	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.88E-08
5030	499914.59	3732264.78	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.98E-08	0.00E+00	0.00E+00	9.02E-08
5031	499924.34	3732263.83	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.08E-08	6.08E-08	0.00E+00	0.00E+00	9.16E-08
5032	499934.1	3732262.88	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.30E-08
5033	499943.85	3732261.94	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
5034	499953.6	3732260.99	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.35E-08	0.00E+00	0.00E+00	9.58E-08
5035	499963.36	3732260.04	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.72E-08
5036	499973.11	3732259.09	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
5037	499982.87	3732258.14	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
5038	499992.62	3732257.2	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
5039	500002.37	3732256.25	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
5040	500012.13	3732255.3	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
5041	500021.88	3732254.35	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	3.55E-08	6.99E-08	0.00E+00	0.00E+00	1.05E-07
5042	500031.64	3732253.4	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.59E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
5043	500041.39	3732252.46	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	3.64E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
5044	500051.15	3732251.51	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
5045	500060.9	3732250.56	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.11E-07
5046	500070.65	3732249.61	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.41E-08	0.00E+00	0.00E+00	1.12E-07
5047	500080.41	3732248.66	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	3.80E-08	7.49E-08	0.00E+00	0.00E+00	1.13E-07
5048	500090.16	3732247.72	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.90E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
5049	500099.92	3732246.77	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
5050	500109.67	3732245.82	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
5051	500119.42	3732244.87	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
5052	500129.18	3732243.92	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
5053	500138.93	3732242.98	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.92E-08	0.00E+00	0.00E+00	1.19E-07
5054	499068.81	3733268.28	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.30E-08	0.00E+00	0.00E+00	4.97E-08
5055	499068.79	3733278.2	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
5056	499034.15	3732951.89	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
5057	499038.83	3732943.16	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.84E-08
5058	499043.52	3732934.44	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
5059	499048.21	3732925.71	8.61E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.55E-08	0.00E+00	0.00E+00	3.85E-08
5060	499052.89	3732916.98	8.62E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.85E-08
5061	499057.58	3732908.25	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.86E-08
5062	499062.26	3732899.52	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.87E-08
5063	499066.95	3732890.8	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
5064	499071.63	3732882.07	8.67E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	1.31E-08	2.57E-08	0.00E+00	0.00E+00	3.88E-08
5065	499076.32	3732873.34	8.68E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.88E-08
5066	499081.01	3732864.61	8.70E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08

5067	499085.69	3732855.88	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
5068	499090.38	3732847.16	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	1.31E-08	2.59E-08	0.00E+00	0.00E+00	3.90E-08
5069	499095.06	3732838.43	8.73E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	1.32E-08	2.59E-08	0.00E+00	0.00E+00	3.91E-08
5070	499099.75	3732829.7	8.75E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	1.32E-08	2.59E-08	0.00E+00	0.00E+00	3.91E-08
5071	499104.44	3732820.97	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
5072	499109.12	3732812.24	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
5073	499113.81	3732803.52	8.78E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.93E-08
5074	499118.49	3732794.79	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
5075	499123.18	3732786.06	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.61E-08	0.00E+00	0.00E+00	3.94E-08
5076	499127.86	3732777.33	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.61E-08	0.00E+00	0.00E+00	3.94E-08
5077	499273.13	3732506.76	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.65E-08	0.00E+00	0.00E+00	3.99E-08
5078	499277.81	3732498.03	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.65E-08	0.00E+00	0.00E+00	3.99E-08
5079	499424.54	3732276.96	8.97E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
5080	499434.4	3732276	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.06E-08
5081	499444.26	3732275.04	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
5082	499454.12	3732274.08	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
5083	499463.98	3732273.13	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.23E-08
5084	499473.84	3732272.17	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
5085	499483.7	3732271.21	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
5086	499493.56	3732270.25	9.84E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
5087	499503.42	3732269.29	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
5088	499513.28	3732268.33	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
5089	499523.14	3732267.38	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.58E-08
5090	499533	3732266.42	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
5091	499542.86	3732265.46	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
5092	499552.72	3732264.5	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
5093	499562.58	3732263.54	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
5094	499572.44	3732262.58	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.92E-08
5095	499582.3	3732261.63	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	5.00E-08
5096	499592.16	3732260.67	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
5097	499602.02	3732259.71	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.15E-08
5098	499611.88	3732258.75	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
5099	499621.74	3732257.79	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
5100	499631.6	3732256.83	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
5101	499641.46	3732255.88	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
5102	499651.32	3732254.92	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
5103	499661.18	3732253.96	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.65E-08
5104	499671.04	3732253	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.74E-08
5105	499680.9	3732252.04	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.87E-08	0.00E+00	0.00E+00	5.83E-08
5106	499690.76	3732251.09	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
5107	499700.62	3732250.13	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
5108	499710.48	3732249.17	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.11E-08
5109	499720.34	3732248.21	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.75E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.21E-08
5110	499730.2	3732247.25	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.31E-08
5111	499740.06	3732246.29	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
5112	499749.92	3732245.34	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.52E-08
5113	499759.78	3732244.38	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
5114	499769.63	3732243.42	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
5115	499779.49	3732242.46	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
5116	499789.35	3732241.5	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.34E-08	4.62E-08	0.00E+00	0.00E+00	6.96E-08
5117	499799.21	3732240.54	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.08E-08
5118	499809.07	3732239.59	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.42E-08	4.77E-08	0.00E+00	0.00E+00	7.19E-08
5119	499818.93	3732238.63	1.64E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.31E-08
5120	499828.79	3732237.67	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.43E-08
5121	499838.65	3732236.71	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.01E-08	0.00E+00	0.00E+00	7.55E-08
5122	499848.51	3732235.75	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
5123	499858.37	3732234.79	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.63E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
5124	499868.23	3732233.84	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.25E-08	0.00E+00	0.00E+00	7.92E-08
5125	499878.09	3732232.88	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
5126	499887.95	3732231.92	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.42E-08	0.00E+00	0.00E+00	8.17E-08
5127	499897.81	3732230.96	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.30E-08
5128	499907.67	3732230	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.43E-08
5129	499917.53	3732229.05	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
5130	499927.39	3732228.09	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.92E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
5131	499937.25	3732227.13	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.82E-08
5132	499947.11	3732226.17	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
5133	499956.97	3732225.21	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.06E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
5134	499966.83	3732224.25	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
5135	499976.69	3732223.3	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
5136	499986.55	3732222.34	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.46E-08
5137	499996.41	3732221.38	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.58E-08
5138	500006.27	3732220.42	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.71E-08
5139	500016.13	3732219.46	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
5140	500025.99	3732218.5	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.35E-08	6.60E-08	0.00E+00	0.00E+00	9.96E-08
5141	500035.85	3732217.55	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
5142	500045.71	3732216.59	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
5143	500055.57	3732215.63	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
5144	500065.43	3732214.67	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
5145	500075.29	3732213.71	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	3.55E-08	6.99E-08	0.00E+00	0.00E+00	1.05E-07
5146	500085.15	3732212.75	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
5147	500095.01	3732211.8	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.14E-08	0.00E+00	0.00E+00	1.08E-07
5148	500104.87	3732210.84	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
5149	500114.73	3732209.88	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	3.69E-08	7.27E-08	0.00E+00	0.00E+00	1.10E-07
5150	500124.59	3732208.92	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
5151	500134.45	3732207.96	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
5152	500144.31	3732207	2.52E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.13E-07
5153	500154.17	3732206.05	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
5154	499028.81	3733268.2	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
5155	499028.79	3733278.12	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
5156	498994.14	3732951.83	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.39E-08	0.00E+00	0.00E+00	3.61E-08
5157	498998.81	3732943.12	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.61E-08
5158	499003.49	3732934.41	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
5159	499008.16	3732925.71	8.11E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.63E-08
5160	499012.84	3732917	8.12E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.63E-08
5161	499017.51	3732908.29	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.64E-08
5162	499022.18	3732899.58	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.41E-08	0.00E+00	0.00E+00	3.64E-08
5163	499026.86	3732890.88	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
5164	499031.53	3732882.17	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
5165	499036.21	3732873.46	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
5166	499040.88	3732864.76	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
5167	499045.56	3732856.05	8.20E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.67E-08
5168	499050.23	3732847.34	8.21E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.67E-08
5169	499054.91	3732838.63	8.22E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
5170	499059.58	3732829.93	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
5171	499064.26	3732821.22	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.69E-08
5172	499068.93	3732812.51	8.26E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.69E-08
5173	499073.61	3732803.8	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.70E-08
5174	499078.28	3732795.1	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.45E-08	0.00E+00	0.00E+00	3.70E-08
5175	499082.96	3732786.39	8.29E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
5176	499087.63	3732777.68	8.30E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
5177	499092.31	3732768.98	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.25E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
5178	499421.97	3732241.76	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
5179	499431.81	3732240.8	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
5180	499441.64	3732239.85	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
5181	499451.48	3732238.89	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.67E-08	0.00E+00	0.00E+00	4.02E-08
5182	499461.32	3732237.94	9.10E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.07E-08
5183	499471.15	3732236.98	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
5184	499480.99	3732236.02	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
5185	499490.83	3732235.07	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.23E-08
5186	499500.66	3732234.11	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.29E-08
5187	499510.5	3732233.16	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
5188	499520.33	3732232.2	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
5189	499530.17	3732231.24	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
5190	499540.01	3732230.29	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
5191	499549.84	3732229.33	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.59E-08
5192	499559.68	3732228.38	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
5193	499569.52	3732227.42	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
5194	499579.35	3732226.46	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
5195	499589.19	3732225.51	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
5196	499599.03	3732224.55	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08

5197	499608.86	3732223.6	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
5198	499618.7	3732222.64	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
5199	499628.54	3732221.68	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
5200	499638.37	3732220.73	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
5201	499648.21	3732219.77	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
5202	499658.04	3732218.82	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
5203	499667.88	3732217.86	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
5204	499677.72	3732216.9	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
5205	499687.55	3732215.95	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.64E-08
5206	499697.39	3732214.99	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
5207	499707.23	3732214.04	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
5208	499717.06	3732213.08	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
5209	499726.9	3732212.12	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
5210	499736.74	3732211.17	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.05E-08	4.05E-08	0.00E+00	0.00E+00	6.10E-08
5211	499746.57	3732210.21	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.09E-08	4.11E-08	0.00E+00	0.00E+00	6.20E-08
5212	499756.41	3732209.26	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.29E-08
5213	499766.25	3732208.3	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
5214	499776.08	3732207.34	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
5215	499785.92	3732206.39	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
5216	499795.75	3732205.43	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.70E-08
5217	499805.59	3732204.48	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	2.29E-08	4.52E-08	0.00E+00	0.00E+00	6.81E-08
5218	499815.43	3732203.52	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
5219	499825.26	3732202.56	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.66E-08	0.00E+00	0.00E+00	7.03E-08
5220	499835.1	3732201.61	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.73E-08	0.00E+00	0.00E+00	7.14E-08
5221	499844.94	3732200.65	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08
5222	499854.77	3732199.7	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.36E-08
5223	499864.61	3732198.74	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.47E-08
5224	499874.45	3732197.78	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
5225	499884.28	3732196.83	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	2.59E-08	5.11E-08	0.00E+00	0.00E+00	7.70E-08
5226	499894.12	3732195.87	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
5227	499903.96	3732194.92	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.94E-08
5228	499913.79	3732193.96	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
5229	499923.63	3732193	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.42E-08	0.00E+00	0.00E+00	8.17E-08
5230	499933.46	3732192.05	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
5231	499943.3	3732191.09	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
5232	499953.14	3732190.14	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.65E-08	0.00E+00	0.00E+00	8.52E-08
5233	499962.97	3732189.18	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.64E-08
5234	499972.81	3732188.22	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
5235	499982.65	3732187.27	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.87E-08
5236	499992.48	3732186.31	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.03E-08	5.96E-08	0.00E+00	0.00E+00	8.99E-08
5237	500002.32	3732185.36	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	3.07E-08	6.04E-08	0.00E+00	0.00E+00	9.11E-08
5238	500012.16	3732184.4	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.12E-08	0.00E+00	0.00E+00	9.22E-08
5239	500021.99	3732183.44	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
5240	500031.83	3732182.49	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
5241	500041.67	3732181.53	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.56E-08
5242	500051.5	3732180.58	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.41E-08	0.00E+00	0.00E+00	9.66E-08
5243	500061.34	3732179.62	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
5244	500071.17	3732178.66	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	3.33E-08	6.55E-08	0.00E+00	0.00E+00	9.88E-08
5245	500081.01	3732177.71	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
5246	498988.81	3733268.11	9.68E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
5247	498988.79	3733278.04	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.35E-08
5248	498954.13	3732951.76	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
5249	498958.79	3732943.07	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
5250	498963.46	3732934.39	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
5251	498968.12	3732925.7	7.65E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
5252	498972.78	3732917.01	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.43E-08
5253	498977.45	3732908.32	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.43E-08
5254	498982.11	3732899.63	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
5255	498986.78	3732890.94	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
5256	498991.44	3732882.25	7.71E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
5257	498996.11	3732873.57	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
5258	499000.77	3732864.88	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.46E-08
5259	499005.44	3732856.19	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.46E-08
5260	499010.1	3732847.5	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.46E-08
5261	499014.77	3732838.81	7.76E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.47E-08
5262	499019.43	3732830.12	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.47E-08
5263	499024.1	3732821.44	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
5264	499028.76	3732812.75	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
5265	499033.42	3732804.06	7.80E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.49E-08
5266	499038.09	3732795.37	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
5267	499042.75	3732786.68	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
5268	499047.42	3732777.99	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
5269	499052.08	3732769.31	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
5270	499056.75	3732760.62	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
5271	499061.41	3732751.93	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
5272	499210.68	3732473.9	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
5273	499215.34	3732465.21	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
5274	499220.01	3732456.52	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
5275	499224.67	3732447.83	7.96E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
5276	499229.34	3732439.15	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
5277	499234	3732430.46	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.55E-08
5278	499409.51	3732207.52	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.69E-08
5279	499419.32	3732206.57	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.73E-08
5280	499429.14	3732205.62	8.45E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
5281	499438.95	3732204.66	8.56E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
5282	499448.77	3732203.71	8.66E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
5283	499458.58	3732202.75	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
5284	499468.4	3732201.8	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
5285	499478.21	3732200.85	9.00E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.67E-08	0.00E+00	0.00E+00	4.02E-08
5286	499488.03	3732199.89	9.11E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.08E-08
5287	499497.84	3732198.94	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
5288	499507.66	3732197.98	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
5289	499517.48	3732197.03	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
5290	499527.29	3732196.08	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
5291	499537.11	3732195.12	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.35E-08
5292	499546.92	3732194.17	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
5293	499556.74	3732193.21	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
5294	499566.55	3732192.26	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
5295	499576.37	3732191.31	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
5296	499586.18	3732190.35	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
5297	499596	3732189.4	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.73E-08
5298	499605.81	3732188.44	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.90E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
5299	499615.63	3732187.49	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.86E-08
5300	499625.44	3732186.54	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
5301	499635.26	3732185.58	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
5302	499645.07	3732184.63	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
5303	499654.89	3732183.67	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
5304	499664.7	3732182.72	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
5305	499674.52	3732181.77	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
5306	499684.33	3732180.81	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
5307	499694.15	3732179.86	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
5308	499703.96	3732178.91	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
5309	500165.28	3732134.07	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
5310	500175.09	3732133.12	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
5311	500184.91	3732132.16	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.21E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
5312	498948.81	3733268.03	9.08E-08	1.55E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-08	1.55E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
5313	498948.79	3733277.95	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
5314	498918.43	3732951.65	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
5315	498923.12	3732942.92	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5316	498927.81	3732934.19	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.09E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
5317	498932.49	3732925.46	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
5318	498937.18	3732916.73	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
5319	498941.87	3732908	7.30E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.26E-08
5320	498946.55	3732899.27	7.31E-08	1.24E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	1.24E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
5321	498951.24	3732890.55	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
5322	498955.92	3732881.82	7.33E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.28E-08
5323	498960.61	3732873.09	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.28E-08
5324	498965.3	3732864.36	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
5325	498969.98	3732855.63	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
5326	498974.67	3732846.9	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08

5327	498979.36	3732838.17	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
5328	498984.04	3732829.44	7.39E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
5329	498988.73	3732820.72	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.31E-08
5330	498993.41	3732811.99	7.41E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.31E-08
5331	498998.1	3732803.26	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
5332	499002.79	3732794.53	7.43E-08	1.26E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-08	1.26E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
5333	499007.47	3732785.8	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
5334	499012.16	3732777.07	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
5335	499016.84	3732768.34	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
5336	499021.53	3732759.62	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
5337	499026.22	3732750.89	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.34E-08
5338	499030.9	3732742.16	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.35E-08
5339	499119.94	3732576.31	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.40E-08
5340	499124.63	3732567.58	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
5341	499129.31	3732558.85	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
5342	499134	3732550.13	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
5343	499138.69	3732541.4	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
5344	499171.49	3732480.3	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
5345	499176.18	3732471.57	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
5346	499180.86	3732462.84	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.40E-08
5347	499185.55	3732454.11	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.40E-08
5348	499190.24	3732445.38	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.40E-08
5349	499194.92	3732436.65	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
5350	499199.61	3732427.92	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
5351	499823.86	3732135.6	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.40E-08
5352	499833.72	3732134.64	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
5353	499843.58	3732133.69	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
5354	499853.44	3732132.73	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
5355	499863.3	3732131.77	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	2.28E-08	4.50E-08	0.00E+00	0.00E+00	6.78E-08
5356	499873.16	3732130.81	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
5357	499883.02	3732129.85	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
5358	499892.88	3732128.89	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.70E-08	0.00E+00	0.00E+00	7.08E-08
5359	499902.74	3732127.94	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
5360	499912.6	3732126.98	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.28E-08
5361	499922.46	3732126.02	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.38E-08
5362	499932.32	3732125.06	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.48E-08
5363	499942.18	3732124.1	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
5364	499952.04	3732123.14	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.59E-08	5.09E-08	0.00E+00	0.00E+00	7.68E-08
5365	499961.9	3732122.19	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.78E-08
5366	499971.77	3732121.23	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.23E-08	0.00E+00	0.00E+00	7.88E-08
5367	499981.63	3732120.27	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.69E-08	5.29E-08	0.00E+00	0.00E+00	7.98E-08
5368	499991.49	3732119.31	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
5369	500001.35	3732118.35	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.43E-08	0.00E+00	0.00E+00	8.18E-08
5370	500011.21	3732117.39	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.28E-08
5371	500021.07	3732116.44	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.38E-08
5372	500030.93	3732115.48	1.89E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
5373	500040.79	3732114.52	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
5374	500050.65	3732113.56	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	2.92E-08	5.75E-08	0.00E+00	0.00E+00	8.66E-08
5375	500060.51	3732112.6	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.75E-08
5376	500070.37	3732111.64	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.87E-08	0.00E+00	0.00E+00	8.85E-08
5377	500080.23	3732110.69	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
5378	500090.09	3732109.73	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.02E-08
5379	500099.95	3732108.77	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.04E-08	0.00E+00	0.00E+00	9.11E-08
5380	500109.81	3732107.81	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
5381	500119.68	3732106.85	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.28E-08
5382	500129.54	3732105.89	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
5383	500139.4	3732104.94	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
5384	500149.26	3732103.98	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
5385	500159.12	3732103.02	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.59E-08
5386	500168.98	3732102.06	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.66E-08
5387	500178.84	3732101.1	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.72E-08
5388	500188.7	3732100.14	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.49E-08	0.00E+00	0.00E+00	9.79E-08
5389	498913.1	3733267.95	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
5390	498913.08	3733277.88	8.64E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.86E-08
5391	498882.69	3732951.63	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
5392	498887.35	3732942.96	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.10E-08
5393	498892	3732934.28	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5394	498896.66	3732925.61	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5395	498901.31	3732916.94	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.11E-08
5396	498905.97	3732908.27	6.96E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.11E-08
5397	498910.62	3732899.6	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
5398	498915.28	3732890.92	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
5399	498919.94	3732882.25	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
5400	498924.59	3732873.58	6.99E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.13E-08
5401	498929.25	3732864.91	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.08E-08	0.00E+00	0.00E+00	3.13E-08
5402	498933.9	3732856.23	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.13E-08
5403	498938.56	3732847.56	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
5404	498943.22	3732838.89	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.14E-08
5405	498947.87	3732830.22	7.04E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.15E-08
5406	498952.53	3732821.55	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.15E-08
5407	498957.18	3732812.87	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.16E-08
5408	498961.84	3732804.2	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
5409	498966.49	3732795.53	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
5410	498971.15	3732786.86	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.17E-08
5411	498975.81	3732778.19	7.09E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.17E-08
5412	498980.46	3732769.51	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.17E-08
5413	498985.12	3732760.84	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
5414	498989.77	3732752.17	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
5415	498994.43	3732743.5	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.19E-08
5416	498999.09	3732734.83	7.13E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.12E-08	0.00E+00	0.00E+00	3.19E-08
5417	499003.74	3732726.15	7.14E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.08E-08	2.12E-08	0.00E+00	0.00E+00	3.19E-08
5418	499087.55	3732570.06	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
5419	499092.2	3732561.38	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
5420	499096.86	3732552.71	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
5421	499101.51	3732544.04	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5422	499106.17	3732535.37	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5423	499110.83	3732526.69	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5424	499115.48	3732518.02	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5425	499120.14	3732509.35	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5426	499124.79	3732500.68	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5427	499129.45	3732492.01	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5428	499138.76	3732474.66	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5429	499143.42	3732465.99	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5430	499148.07	3732457.32	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
5431	499152.73	3732448.65	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
5432	499157.38	3732439.97	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
5433	499162.04	3732431.3	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
5434	499506.96	3732134.75	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
5435	499516.76	3732133.8	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
5436	499526.55	3732132.85	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
5437	499536.35	3732131.89	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
5438	499546.15	3732130.94	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.75E-08	0.00E+00	0.00E+00	4.14E-08
5439	499555.94	3732129.99	9.38E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
5440	499565.74	3732129.04	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
5441	499575.54	3732128.09	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.31E-08
5442	499585.34	3732127.13	9.76E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
5443	499595.13	3732126.18	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
5444	499604.93	3732125.23	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
5445	499614.73	3732124.28	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
5446	499624.52	3732123.33	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.61E-08
5447	499634.32	3732122.37	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
5448	499644.12	3732121.42	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
5449	499653.91	3732120.47	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
5450	499663.71	3732119.52	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
5451	499673.51	3732118.56	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.94E-08
5452	499683.3	3732117.61	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
5453	499693.1	3732116.66	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
5454	499702.9	3732115.71	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
5455	499712.69	3732114.76	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.22E-08
5456	499722.49	3732113.8	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.52E-08	0.00E+00	0.00E+00	5.30E-08

5457	499732.29	3732112.85	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
5458	499742.08	3732111.9	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.45E-08
5459	499751.88	3732110.95	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
5460	499761.68	3732110	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
5461	499771.47	3732109.04	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.69E-08
5462	499781.27	3732108.09	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08
5463	499791.07	3732107.14	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
5464	499800.86	3732106.19	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
5465	499810.66	3732105.24	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
5466	499820.46	3732104.28	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.11E-08
5467	499830.25	3732103.33	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	2.09E-08	4.11E-08	0.00E+00	0.00E+00	6.20E-08
5468	499840.05	3732102.38	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.29E-08
5469	499849.85	3732101.43	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.38E-08
5470	499859.64	3732100.47	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
5471	499869.44	3732099.52	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
5472	499879.24	3732098.57	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
5473	499889.03	3732097.62	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
5474	499898.83	3732096.67	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
5475	499908.63	3732095.71	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
5476	499918.42	3732094.76	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.02E-08
5477	499928.22	3732093.81	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	2.39E-08	4.72E-08	0.00E+00	0.00E+00	7.11E-08
5478	499938.02	3732092.86	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.20E-08
5479	499947.81	3732091.91	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.46E-08	4.84E-08	0.00E+00	0.00E+00	7.29E-08
5480	499957.61	3732090.95	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
5481	499967.41	3732090	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.48E-08
5482	499977.2	3732089.05	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
5483	499987	3732088.1	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.67E-08
5484	499996.8	3732087.14	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
5485	500006.59	3732086.19	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.21E-08	0.00E+00	0.00E+00	7.85E-08
5486	500016.39	3732085.24	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.27E-08	0.00E+00	0.00E+00	7.94E-08
5487	500026.19	3732084.29	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.85E-07	2.70E-08	5.33E-08	0.00E+00	0.00E+00	8.03E-08
5488	500035.98	3732083.34	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.12E-08
5489	500045.78	3732082.38	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.21E-08
5490	500055.58	3732081.43	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
5491	500065.37	3732080.48	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.38E-08
5492	500075.17	3732079.53	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.46E-08
5493	500084.97	3732078.58	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.55E-08
5494	500094.76	3732077.62	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.91E-08	5.72E-08	0.00E+00	0.00E+00	8.63E-08
5495	500104.56	3732076.67	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.78E-08	0.00E+00	0.00E+00	8.71E-08
5496	500114.36	3732075.72	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.79E-08
5497	500124.15	3732074.77	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
5498	500133.95	3732073.81	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
5499	500143.75	3732072.86	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	3.03E-08	5.98E-08	0.00E+00	0.00E+00	9.01E-08
5500	500153.55	3732071.91	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.02E-08	0.00E+00	0.00E+00	9.08E-08
5501	500163.34	3732070.96	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
5502	500173.14	3732070.01	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
5503	500182.94	3732069.05	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.28E-08
5504	500192.73	3732068.1	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.20E-08	0.00E+00	0.00E+00	9.34E-08
5505	498877.38	3733267.88	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.64E-08
5506	498877.36	3733277.8	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
5507	498847	3732951.51	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.94E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
5508	498851.67	3732942.8	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.95E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5509	498856.35	3732934.09	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.97E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5510	498861.02	3732925.38	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.98E-09	1.97E-08	0.00E+00	0.00E+00	2.96E-08
5511	498865.7	3732916.67	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5512	498870.38	3732907.96	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5513	498875.05	3732899.25	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5514	498879.73	3732890.54	6.66E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.98E-08	0.00E+00	0.00E+00	2.98E-08
5515	498884.4	3732881.83	6.67E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.98E-08	0.00E+00	0.00E+00	2.98E-08
5516	498889.08	3732873.12	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.98E-08
5517	498893.76	3732864.42	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.99E-08
5518	498898.43	3732855.71	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.99E-08
5519	498903.11	3732847	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
5520	498907.79	3732838.29	6.71E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
5521	498912.46	3732829.58	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
5522	498917.14	3732820.87	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.01E-08
5523	498921.81	3732812.16	6.73E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	2.00E-08	0.00E+00	0.00E+00	3.01E-08
5524	498926.49	3732803.45	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	2.00E-08	0.00E+00	0.00E+00	3.01E-08
5525	498931.17	3732794.74	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.02E-08	2.00E-08	0.00E+00	0.00E+00	3.02E-08
5526	498935.84	3732786.03	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.00E-08	0.00E+00	0.00E+00	3.02E-08
5527	498940.52	3732777.32	6.77E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.03E-08
5528	498945.2	3732768.61	6.77E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.03E-08
5529	498949.87	3732759.9	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.03E-08
5530	498954.55	3732751.19	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.04E-08
5531	498959.22	3732742.48	6.80E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.02E-08	2.02E-08	0.00E+00	0.00E+00	3.04E-08
5532	498963.9	3732733.77	6.80E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.02E-08	2.02E-08	0.00E+00	0.00E+00	3.04E-08
5533	498968.58	3732725.06	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
5534	498973.25	3732716.35	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
5535	499062.1	3732550.86	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5536	499066.78	3732542.15	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5537	499071.45	3732533.44	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5538	499076.13	3732524.73	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5539	499080.8	3732516.02	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5540	499085.48	3732507.31	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5541	499090.16	3732498.6	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5542	499094.83	3732489.89	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5543	499099.51	3732481.18	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5544	499104.18	3732472.47	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5545	499108.86	3732463.76	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5546	499113.54	3732455.05	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5547	499118.21	3732446.34	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5548	499122.89	3732437.63	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5549	499127.57	3732428.92	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5550	499132.24	3732420.21	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5551	499136.92	3732411.5	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
5552	499141.59	3732402.79	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.10E-08
5553	499146.27	3732394.08	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.10E-08
5554	499286.56	3732132.78	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.99E-08
5555	499301.07	3732123.11	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	2.00E-08	0.00E+00	0.00E+00	3.01E-08
5556	499310.91	3732122.15	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.04E-08
5557	499320.75	3732121.2	6.88E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
5558	499330.59	3732120.24	6.96E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.11E-08
5559	499340.43	3732119.29	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.14E-08
5560	499350.27	3732118.33	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
5561	499497.86	3732103.99	8.45E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
5562	499507.7	3732103.03	8.55E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.82E-08
5563	499517.54	3732102.07	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
5564	499527.38	3732101.12	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
5565	499537.22	3732100.16	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
5566	499547.06	3732099.2	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.67E-08	0.00E+00	0.00E+00	4.02E-08
5567	499556.9	3732098.25	9.11E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.07E-08
5568	499566.74	3732097.29	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
5569	499576.58	3732096.34	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
5570	499586.42	3732095.38	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.23E-08
5571	499596.26	3732094.42	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
5572	499606.1	3732093.47	9.72E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
5573	499615.93	3732092.51	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
5574	499625.77	3732091.55	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
5575	499635.61	3732090.6	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
5576	499645.45	3732089.64	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.59E-08
5577	499655.29	3732088.68	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.65E-08
5578	499665.13	3732087.73	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
5579	499674.97	3732086.77	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
5580	499684.81	3732085.82	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
5581	499694.65	3732084.86	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.92E-08
5582	499704.49	3732083.9	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.98E-08
5583	499714.33	3732082.95	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
5584	499724.17	3732081.99	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.12E-08
5585	499734.01	3732081.03	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
5586	499743.85	3732080.08	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.50E-08	0.00E+00	0.00E+00	5.27E-08

5587	499753.69	3732079.12	1.20E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
5588	499763.53	3732078.17	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.28E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
5589	499773.37	3732077.21	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
5590	499783.21	3732076.25	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.57E-08
5591	499793.05	3732075.3	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.65E-08
5592	499802.89	3732074.34	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
5593	499812.72	3732073.38	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.85E-08	0.00E+00	0.00E+00	5.81E-08
5594	499822.56	3732072.43	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.91E-08	0.00E+00	0.00E+00	5.89E-08
5595	499832.4	3732071.47	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
5596	499842.24	3732070.52	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
5597	499852.08	3732069.56	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	2.07E-08	4.07E-08	0.00E+00	0.00E+00	6.14E-08
5598	499861.92	3732068.6	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.22E-08
5599	499871.76	3732067.65	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.31E-08
5600	499881.6	3732066.69	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
5601	499891.44	3732065.73	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.48E-08
5602	499901.28	3732064.78	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
5603	499911.12	3732063.82	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
5604	499920.96	3732062.87	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
5605	499930.8	3732061.91	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
5606	499940.64	3732060.95	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.91E-08
5607	499950.48	3732060	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.64E-08	0.00E+00	0.00E+00	7.00E-08
5608	499960.32	3732059.04	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
5609	499970.16	3732058.08	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.17E-08
5610	499980	3732057.13	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	2.44E-08	4.82E-08	0.00E+00	0.00E+00	7.26E-08
5611	499989.84	3732056.17	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.35E-08
5612	499999.68	3732055.21	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.43E-08
5613	500009.51	3732054.26	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
5614	500019.35	3732053.3	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
5615	500029.19	3732052.35	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	2.59E-08	5.10E-08	0.00E+00	0.00E+00	7.69E-08
5616	500039.03	3732051.39	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.15E-08	0.00E+00	0.00E+00	7.77E-08
5617	500048.87	3732050.43	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.64E-08	5.21E-08	0.00E+00	0.00E+00	7.85E-08
5618	500058.71	3732049.48	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
5619	500068.55	3732048.52	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.01E-08
5620	500078.39	3732047.56	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.73E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
5621	500088.23	3732046.61	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.42E-08	0.00E+00	0.00E+00	8.17E-08
5622	500098.07	3732045.65	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
5623	500107.91	3732044.7	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.32E-08
5624	500117.75	3732043.74	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
5625	500127.59	3732042.78	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
5626	500137.43	3732041.83	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.88E-08	5.66E-08	0.00E+00	0.00E+00	8.54E-08
5627	500147.27	3732040.87	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
5628	500157.11	3732039.91	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	2.92E-08	5.75E-08	0.00E+00	0.00E+00	8.68E-08
5629	500166.95	3732038.96	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
5630	500176.79	3732038	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.96E-08	5.84E-08	0.00E+00	0.00E+00	8.80E-08
5631	500186.63	3732037.05	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
5632	500196.47	3732036.09	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.92E-08	0.00E+00	0.00E+00	8.92E-08
5633	498841.67	3733267.8	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.46E-08
5634	498841.65	3733277.72	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
5635	498811.25	3732951.49	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	9.51E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5636	498815.9	3732942.83	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.52E-09	1.87E-08	0.00E+00	0.00E+00	2.83E-08
5637	498820.55	3732934.18	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.53E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5638	498825.2	3732925.52	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.54E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5639	498829.85	3732916.86	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.55E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5640	498834.5	3732908.2	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.56E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5641	498839.14	3732899.54	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.57E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5642	498843.79	3732890.88	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5643	498848.44	3732882.23	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.59E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5644	498853.09	3732873.57	6.38E-08	1.09E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-08	1.09E-07	0.00E+00	0.00E+00	1.72E-07	9.61E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5645	498857.74	3732864.91	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.62E-09	1.89E-08	0.00E+00	0.00E+00	2.86E-08
5646	498862.38	3732856.25	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.63E-09	1.90E-08	0.00E+00	0.00E+00	2.86E-08
5647	498867.03	3732847.59	6.40E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.64E-09	1.90E-08	0.00E+00	0.00E+00	2.86E-08
5648	498871.68	3732838.94	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.65E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
5649	498876.33	3732830.28	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.66E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
5650	498880.98	3732821.62	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	9.67E-09	1.91E-08	0.00E+00	0.00E+00	2.87E-08
5651	498885.63	3732812.96	6.43E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	9.68E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
5652	498890.27	3732804.3	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.69E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
5653	498894.92	3732795.65	6.45E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.70E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
5654	498899.57	3732786.99	6.45E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.72E-09	1.91E-08	0.00E+00	0.00E+00	2.89E-08
5655	498904.22	3732778.33	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.73E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
5656	498908.87	3732769.67	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.74E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
5657	498913.52	3732761.01	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.75E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
5658	498918.16	3732752.36	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.76E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
5659	498922.81	3732743.7	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	9.77E-09	1.93E-08	0.00E+00	0.00E+00	2.90E-08
5660	498927.46	3732735.04	6.50E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.78E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
5661	498932.11	3732726.38	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.79E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
5662	498936.76	3732717.72	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.81E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
5663	498941.41	3732709.06	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.82E-09	1.93E-08	0.00E+00	0.00E+00	2.92E-08
5664	498946.05	3732700.41	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.83E-09	1.94E-08	0.00E+00	0.00E+00	2.92E-08
5665	498950.7	3732691.75	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.84E-09	1.94E-08	0.00E+00	0.00E+00	2.92E-08
5666	498955.35	3732683.09	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.85E-09	1.94E-08	0.00E+00	0.00E+00	2.92E-08
5667	498960	3732674.43	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.86E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
5668	498964.65	3732665.77	6.55E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.87E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
5669	498969.3	3732657.12	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.88E-09	1.95E-08	0.00E+00	0.00E+00	2.93E-08
5670	498973.94	3732648.46	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.89E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
5671	498978.59	3732639.8	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.90E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
5672	498983.24	3732631.14	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.90E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
5673	498987.89	3732622.48	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.91E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
5674	498992.54	3732613.83	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.92E-09	1.95E-08	0.00E+00	0.00E+00	2.95E-08
5675	498997.19	3732605.17	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.93E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
5676	499001.83	3732596.51	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.94E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
5677	499006.48	3732587.85	6.61E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.95E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
5678	499011.13	3732579.19	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.95E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5679	499015.78	3732570.54	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.96E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5680	499020.43	3732561.88	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.97E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5681	499029.72	3732544.56	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.98E-09	1.97E-08	0.00E+00	0.00E+00	2.96E-08
5682	499034.37	3732535.9	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.98E-09	1.97E-08	0.00E+00	0.00E+00	2.96E-08
5683	499039.02	3732527.25	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5684	499043.67	3732518.59	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5685	499048.32	3732509.93	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5686	499052.97	3732501.27	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5687	499057.61	3732492.61	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5688	499062.26	3732483.95	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5689	499066.91	3732475.3	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5690	499071.56	3732466.64	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5691	499076.21	3732457.98	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5692	499080.86	3732449.32	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5693	499085.5	3732440.66	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5694	499090.15	3732432.01	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5695	499094.8	3732423.35	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5696	499099.45	3732414.69	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5697	499104.1	3732406.03	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5698	499108.75	3732397.37	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5699	499113.39	3732388.72	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.98E-09	1.97E-08	0.00E+00	0.00E+00	2.96E-08
5700	499118.04	3732380.06	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.98E-09	1.97E-08	0.00E+00	0.00E+00	2.96E-08
5701	499122.69	3732371.4	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.97E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5702	499127.34	3732362.74	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.97E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5703	499131.99	3732354.08	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.96E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5704	499136.64	3732345.43	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.95E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5705	499141.28	3732336.77	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.94E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
5706	499145.93	3732328.11	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.94E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
5707	499252.84	3732128.97	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.66E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
5708	499257.49	3732120.32	6.40E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.64E-09	1.90E-08	0.00E+00	0.00E+00	2.86E-08
5709	499262.14	3732111.66	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.63E-09	1.90E-08	0.00E+00	0.00E+00	2.86E-08
5710	499266.79	3732103	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.61E-09	1.89E-08	0.00E+00	0.00E+00	2.86E-08
5711	499281.22	3732093.39	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.70E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
5712	499291	3732092.44	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.80E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
5713	499300.78	3732091.49	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.90E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
5714	499310.56	3732090.54	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
5715	499320.34	3732089.59	6.71E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
5716	499330.12	3732088.64	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.03E-08

5717	499339.9	3732087.69	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
5718	499349.68	3732086.74	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.10E-08
5719	499486.62	3732073.43	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
5720	499496.4	3732072.48	8.20E-08	1.40E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.40E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
5721	499506.18	3732071.53	8.29E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
5722	499515.96	3732070.58	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
5723	499525.74	3732069.63	8.50E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.80E-08
5724	499535.52	3732068.68	8.60E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.30E-08	2.55E-08	0.00E+00	0.00E+00	3.85E-08
5725	499545.3	3732067.72	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
5726	499555.08	3732066.77	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.94E-08
5727	499564.86	3732065.82	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.65E-08	0.00E+00	0.00E+00	3.99E-08
5728	499574.64	3732064.87	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
5729	499584.42	3732063.92	9.16E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.10E-08
5730	499594.21	3732062.97	9.28E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.75E-08	0.00E+00	0.00E+00	4.15E-08
5731	499603.99	3732062.02	9.40E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.41E-08	2.79E-08	0.00E+00	0.00E+00	4.20E-08
5732	499613.77	3732061.07	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.26E-08
5733	499623.55	3732060.12	9.64E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.31E-08
5734	499633.33	3732059.17	9.77E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
5735	499643.11	3732058.22	9.90E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
5736	499652.89	3732057.27	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.49E-08
5737	499662.67	3732056.32	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.55E-08
5738	499672.45	3732055.37	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
5739	499682.23	3732054.42	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
5740	499692.01	3732053.47	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
5741	499701.79	3732052.52	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
5742	499711.58	3732051.56	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
5743	499721.36	3732050.61	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
5744	499731.14	3732049.66	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
5745	499740.92	3732048.71	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
5746	499750.7	3732047.76	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.13E-08
5747	499760.48	3732046.81	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
5748	499770.26	3732045.86	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.27E-08
5749	499780.04	3732044.91	1.20E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
5750	499789.82	3732043.96	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
5751	499799.6	3732043.01	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
5752	499809.38	3732042.06	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.57E-08
5753	499819.17	3732041.11	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.64E-08
5754	499828.95	3732040.16	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
5755	499838.73	3732039.21	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.79E-08
5756	499848.51	3732038.26	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.89E-08	0.00E+00	0.00E+00	5.87E-08
5757	499858.29	3732037.31	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.60E-07	2.00E-08	3.95E-08	0.00E+00	0.00E+00	5.95E-08
5758	499868.07	3732036.36	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
5759	499877.85	3732035.4	1.37E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
5760	499887.63	3732034.45	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.19E-08
5761	499897.41	3732033.5	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
5762	499907.19	3732032.55	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.21E-08	0.00E+00	0.00E+00	6.35E-08
5763	499916.97	3732031.6	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.43E-08
5764	499926.75	3732030.65	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
5765	499936.54	3732029.7	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
5766	499946.32	3732028.75	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.25E-08	4.42E-08	0.00E+00	0.00E+00	6.67E-08
5767	499956.1	3732027.8	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
5768	499965.88	3732026.85	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
5769	499975.66	3732025.9	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
5770	499985.44	3732024.95	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.64E-08	0.00E+00	0.00E+00	6.99E-08
5771	499995.22	3732024	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.07E-08
5772	500005	3732023.05	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.74E-08	0.00E+00	0.00E+00	7.15E-08
5773	500014.78	3732022.1	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	2.43E-08	4.80E-08	0.00E+00	0.00E+00	7.23E-08
5774	500024.56	3732021.15	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.31E-08
5775	500034.34	3732020.2	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
5776	500044.13	3732019.24	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
5777	500053.91	3732018.29	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.54E-08
5778	500063.69	3732017.34	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
5779	500073.47	3732016.39	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	2.59E-08	5.10E-08	0.00E+00	0.00E+00	7.69E-08
5780	500083.25	3732015.44	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
5781	500093.03	3732014.49	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.84E-08
5782	500102.81	3732013.54	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.91E-08
5783	500112.59	3732012.59	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.69E-08	5.29E-08	0.00E+00	0.00E+00	7.98E-08
5784	500122.37	3732011.64	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.04E-08
5785	500132.15	3732010.69	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.11E-08
5786	500141.93	3732009.74	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.42E-08	0.00E+00	0.00E+00	8.18E-08
5787	500151.72	3732008.79	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.24E-08
5788	500161.5	3732007.84	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.30E-08
5789	500171.28	3732006.89	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.36E-08
5790	500181.06	3732005.94	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.42E-08
5791	500190.84	3732004.99	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.48E-08
5792	500200.62	3732004.03	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.87E-08	5.66E-08	0.00E+00	0.00E+00	8.53E-08
5793	500210.4	3732003.08	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.70E-08	0.00E+00	0.00E+00	8.59E-08
5794	500220.18	3732002.13	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.64E-08
5795	498805.96	3733267.73	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
5796	498805.94	3733277.65	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.20E-08	0.00E+00	0.00E+00	3.31E-08
5797	498775.56	3732951.38	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.10E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
5798	498780.23	3732942.69	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.11E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
5799	498784.89	3732933.99	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.12E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
5800	498789.56	3732925.3	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.13E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
5801	498794.23	3732916.61	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.14E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
5802	498798.9	3732907.91	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.15E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
5803	498803.56	3732899.22	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.16E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
5804	498808.23	3732890.52	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.17E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
5805	498812.9	3732881.83	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.18E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
5806	498817.57	3732873.14	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
5807	498822.23	3732864.44	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.20E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
5808	498826.9	3732855.75	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.21E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
5809	498831.57	3732847.05	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	9.22E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
5810	498836.24	3732838.36	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	9.23E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
5811	498840.9	3732829.67	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.24E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
5812	498845.57	3732820.97	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.25E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
5813	498850.24	3732812.28	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.26E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
5814	498854.91	3732803.59	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.27E-09	1.83E-08	0.00E+00	0.00E+00	2.75E-08
5815	498859.57	3732794.89	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.28E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
5816	498864.24	3732786.2	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.30E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
5817	498868.91	3732777.5	6.18E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.31E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
5818	498873.58	3732768.81	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.32E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
5819	498878.24	3732760.12	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.33E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
5820	498882.91	3732751.42	6.20E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.34E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
5821	498887.58	3732742.73	6.21E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.35E-09	1.84E-08	0.00E+00	0.00E+00	2.78E-08
5822	498892.25	3732734.04	6.22E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.36E-09	1.84E-08	0.00E+00	0.00E+00	2.78E-08
5823	498896.91	3732725.34	6.22E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.37E-09	1.85E-08	0.00E+00	0.00E+00	2.78E-08
5824	498901.58	3732716.65	6.23E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.38E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
5825	498906.25	3732707.95	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.39E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
5826	498910.92	3732699.26	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.40E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
5827	498915.58	3732690.57	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.41E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
5828	498920.25	3732681.87	6.26E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	9.42E-09	1.86E-08	0.00E+00	0.00E+00	2.80E-08
5829	498924.92	3732673.18	6.26E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	9.43E-09	1.86E-08	0.00E+00	0.00E+00	2.80E-08
5830	498929.59	3732664.49	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	9.44E-09	1.86E-08	0.00E+00	0.00E+00	2.80E-08
5831	498934.25	3732655.79	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.45E-09	1.86E-08	0.00E+00	0.00E+00	2.81E-08
5832	498938.92	3732647.1	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.46E-09	1.86E-08	0.00E+00	0.00E+00	2.81E-08
5833	498943.59	3732638.4	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.47E-09	1.86E-08	0.00E+00	0.00E+00	2.81E-08
5834	498948.25	3732629.71	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.48E-09	1.87E-08	0.00E+00	0.00E+00	2.81E-08
5835	498952.92	3732621.02	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.48E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5836	498957.59	3732612.32	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.49E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5837	498962.26	3732603.63	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	9.50E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5838	498966.92	3732594.94	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.51E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5839	498971.59	3732586.24	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.52E-09	1.87E-08	0.00E+00	0.00E+00	2.83E-08
5840	498976.26	3732577.55	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.52E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5841	498980.93	3732568.85	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.53E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5842	498985.59	3732560.16	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.54E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5843	498990.26	3732551.47	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.54E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5844	498994.93	3732542.77	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.55E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5845	498999.6	3732534.08	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.55E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5846	499004.26	3732525.39	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.56E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08

5847	499008.93	3732516.69	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.56E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5848	499013.6	3732508	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.57E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5849	499018.27	3732499.3	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.57E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5850	499022.93	3732490.61	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.57E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5851	499027.6	3732481.92	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5852	499032.27	3732473.22	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5853	499036.94	3732464.53	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5854	499041.6	3732455.83	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5855	499046.27	3732447.14	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5856	499050.94	3732438.45	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5857	499055.61	3732429.75	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5858	499060.27	3732421.06	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
5859	499064.94	3732412.37	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5860	499069.61	3732403.67	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5861	499074.28	3732394.98	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5862	499078.94	3732386.28	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.57E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5863	499083.61	3732377.59	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.57E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
5864	499088.28	3732368.9	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.57E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5865	499092.95	3732360.2	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.56E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5866	499097.61	3732351.51	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.56E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5867	499102.28	3732342.82	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.55E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5868	499106.95	3732334.12	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.54E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5869	499111.62	3732325.43	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.54E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5870	499116.28	3732316.73	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.53E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5871	499120.95	3732308.04	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.52E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
5872	499125.62	3732299.35	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.51E-09	1.87E-08	0.00E+00	0.00E+00	2.83E-08
5873	499130.29	3732290.65	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.71E-07	9.50E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5874	499134.95	3732281.96	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.49E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5875	499139.62	3732273.27	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.49E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
5876	499144.29	3732264.57	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.48E-09	1.87E-08	0.00E+00	0.00E+00	2.81E-08
5877	499148.96	3732255.88	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.47E-09	1.86E-08	0.00E+00	0.00E+00	2.81E-08
5878	499214.3	3732134.16	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.30E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
5879	499218.97	3732125.47	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.28E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
5880	499223.64	3732116.78	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.27E-09	1.83E-08	0.00E+00	0.00E+00	2.75E-08
5881	499228.3	3732108.08	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.26E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
5882	499232.97	3732099.39	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.25E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
5883	499237.64	3732090.7	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	9.23E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
5884	499242.31	3732082	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.22E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
5885	499246.97	3732073.31	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.21E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
5886	499261.46	3732063.66	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.28E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
5887	499271.28	3732062.71	6.23E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.38E-09	1.85E-08	0.00E+00	0.00E+00	2.78E-08
5888	499281.1	3732061.75	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.47E-09	1.87E-08	0.00E+00	0.00E+00	2.81E-08
5889	499290.93	3732060.8	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.56E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
5890	499300.75	3732059.84	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.66E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
5891	499310.57	3732058.89	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.76E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
5892	499320.39	3732057.93	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.86E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
5893	499330.21	3732056.98	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.96E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
5894	499340.03	3732056.02	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.99E-08
5895	499349.85	3732055.07	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.02E-08	2.00E-08	0.00E+00	0.00E+00	3.02E-08
5896	499428.42	3732047.43	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
5897	499438.24	3732046.48	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
5898	499448.06	3732045.52	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.37E-08
5899	499457.89	3732044.57	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
5900	499467.71	3732043.62	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
5901	499477.53	3732042.66	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
5902	499487.35	3732041.71	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
5903	499497.17	3732040.75	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
5904	499506.99	3732039.8	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.39E-08	0.00E+00	0.00E+00	3.61E-08
5905	499516.81	3732038.84	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
5906	499526.63	3732037.89	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.70E-08
5907	499536.46	3732036.93	8.37E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
5908	499546.28	3732035.98	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
5909	499556.1	3732035.02	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
5910	499565.92	3732034.07	8.68E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.57E-08	0.00E+00	0.00E+00	3.88E-08
5911	499575.74	3732033.12	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
5912	499585.56	3732032.16	8.90E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
5913	499595.38	3732031.21	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.03E-08
5914	499605.2	3732030.25	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
5915	499615.03	3732029.3	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
5916	499624.85	3732028.34	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
5917	499634.67	3732027.39	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
5918	499644.49	3732026.43	9.61E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
5919	499654.31	3732025.48	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.35E-08
5920	499664.13	3732024.53	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
5921	499673.95	3732023.57	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
5922	499683.77	3732022.62	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
5923	499693.59	3732021.66	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.59E-08
5924	499703.42	3732020.71	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.56E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
5925	499713.24	3732019.75	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.12E-08	0.00E+00	0.00E+00	4.71E-08
5926	499723.06	3732018.8	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.77E-08
5927	499732.88	3732017.84	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
5928	499742.7	3732016.89	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
5929	499752.52	3732015.93	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.97E-08
5930	499762.34	3732014.98	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.34E-08	0.00E+00	0.00E+00	5.03E-08
5931	499772.16	3732014.03	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
5932	499781.99	3732013.07	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
5933	499791.81	3732012.12	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.24E-08
5934	499801.63	3732011.16	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
5935	499811.45	3732010.21	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
5936	499821.27	3732009.25	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.45E-08
5937	499831.09	3732008.3	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
5938	499840.91	3732007.34	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
5939	499850.73	3732006.39	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.66E-08
5940	499860.56	3732005.44	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	1.93E-08	3.81E-08	0.00E+00	0.00E+00	5.74E-08
5941	499870.38	3732004.48	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.85E-08	0.00E+00	0.00E+00	5.81E-08
5942	499880.2	3732003.53	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.89E-08
5943	499890.02	3732002.57	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
5944	499899.84	3732001.62	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.04E-08
5945	499909.66	3732000.66	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
5946	499919.48	3731999.71	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.19E-08
5947	499929.3	3731998.75	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	2.11E-08	4.15E-08	0.00E+00	0.00E+00	6.26E-08
5948	499939.12	3731997.8	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.34E-08
5949	499948.95	3731996.84	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.41E-08
5950	499958.77	3731995.89	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.19E-08	4.30E-08	0.00E+00	0.00E+00	6.49E-08
5951	499968.59	3731994.94	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.57E-08
5952	499978.41	3731993.98	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.24E-08	4.40E-08	0.00E+00	0.00E+00	6.64E-08
5953	499988.23	3731993.03	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.72E-08
5954	499998.05	3731992.07	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.10E-07	2.29E-08	4.50E-08	0.00E+00	0.00E+00	6.79E-08
5955	500007.87	3731991.12	1.54E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.87E-08
5956	500017.69	3731990.16	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
5957	500027.52	3731989.21	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
5958	500037.34	3731988.25	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
5959	500047.16	3731987.3	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
5960	500056.98	3731986.34	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	2.43E-08	4.80E-08	0.00E+00	0.00E+00	7.23E-08
5961	500066.8	3731985.39	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.46E-08	4.84E-08	0.00E+00	0.00E+00	7.30E-08
5962	500076.62	3731984.44	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
5963	500086.44	3731983.48	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.44E-08
5964	500096.26	3731982.53	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.51E-08
5965	500106.09	3731981.57	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
5966	500115.91	3731980.62	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.57E-08	5.07E-08	0.00E+00	0.00E+00	7.64E-08
5967	500125.73	3731979.66	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
5968	500135.55	3731978.71	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.15E-08	0.00E+00	0.00E+00	7.77E-08
5969	500145.37	3731977.75	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.83E-08
5970	500155.19	3731976.8	1.77E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.89E-08
5971	500165.01	3731975.85	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.80E-07	2.68E-08	5.27E-08	0.00E+00	0.00E+00	7.95E-08
5972	500174.83	3731974.89	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
5973	500184.66	3731973.94	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.06E-08
5974	500194.48	3731972.98	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.12E-08
5975	500204.3	3731972.03	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.42E-08	0.00E+00	0.00E+00	8.17E-08
5976	500214.12	3731971.07	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08

5977	500223.94	3731970.12	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.27E-08
5978	500233.76	3731969.16	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.32E-08
5979	498770.24	3733267.65	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
5980	498770.22	3733277.57	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.16E-08
5981	498739.86	3732951.27	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	8.73E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
5982	498744.55	3732942.54	5.80E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	8.74E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
5983	498749.23	3732933.82	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	8.75E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
5984	498753.92	3732925.09	5.82E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	8.76E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
5985	498758.6	3732916.36	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	8.77E-09	1.73E-08	0.00E+00	0.00E+00	2.60E-08
5986	498763.29	3732907.63	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.57E-07	8.77E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
5987	498767.98	3732898.91	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	8.78E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
5988	498772.66	3732890.18	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	8.79E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
5989	498777.35	3732881.45	5.85E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
5990	498782.03	3732872.72	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	8.81E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
5991	498786.72	3732864	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
5992	498791.4	3732855.27	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
5993	498796.09	3732846.54	5.87E-08	9.99E-08	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-08	9.99E-08	0.00E+00	0.00E+00	1.59E-07	8.84E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
5994	498800.77	3732837.81	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.85E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
5995	498805.46	3732829.09	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.86E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
5996	498810.15	3732820.36	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.87E-09	1.75E-08	0.00E+00	0.00E+00	2.63E-08
5997	498814.83	3732811.63	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.88E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
5998	498819.52	3732802.9	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.89E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
5999	498824.2	3732794.18	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.90E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
6000	498828.89	3732785.45	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.90E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
6001	498833.57	3732776.72	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.91E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
6002	498838.26	3732767.99	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.92E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
6003	498842.94	3732759.27	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.93E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
6004	498847.63	3732750.54	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.94E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
6005	498852.32	3732741.81	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.95E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
6006	498857	3732733.08	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.96E-09	1.77E-08	0.00E+00	0.00E+00	2.66E-08
6007	498861.69	3732724.36	5.96E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.97E-09	1.77E-08	0.00E+00	0.00E+00	2.66E-08
6008	498866.37	3732715.63	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.98E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
6009	498871.06	3732706.9	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.99E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
6010	498875.74	3732698.17	5.98E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.00E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
6011	498880.43	3732689.45	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.01E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
6012	498885.11	3732680.72	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.02E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
6013	498889.8	3732671.99	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.03E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
6014	498894.49	3732663.27	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.04E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
6015	498899.17	3732654.54	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.05E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
6016	498903.86	3732645.81	6.02E-08	1.02E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.02E-07	0.00E+00	0.00E+00	1.63E-07	9.06E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
6017	498908.54	3732637.08	6.02E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.07E-09	1.79E-08	0.00E+00	0.00E+00	2.69E-08
6018	498913.23	3732628.36	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.08E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6019	498917.91	3732619.63	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.08E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6020	498922.6	3732610.9	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.09E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6021	498927.28	3732602.17	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.10E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6022	498931.97	3732593.45	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.11E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6023	498936.66	3732584.72	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.12E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6024	498941.34	3732575.99	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.12E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6025	498946.03	3732567.26	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.13E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6026	498950.71	3732558.54	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.14E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6027	498955.4	3732549.81	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.14E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6028	498960.08	3732541.08	6.08E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.15E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6029	498964.77	3732532.35	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.16E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6030	498969.45	3732523.63	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.16E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6031	498974.14	3732514.9	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.17E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
6032	498978.83	3732506.17	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.17E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
6033	498983.51	3732497.44	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.17E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
6034	498988.2	3732488.72	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.18E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6035	498992.88	3732479.99	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.18E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6036	498997.57	3732471.26	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6037	499002.25	3732462.53	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6038	499006.94	3732453.81	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6039	499011.62	3732445.08	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6040	499016.31	3732436.35	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6041	499021	3732427.62	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6042	499025.68	3732418.9	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6043	499030.37	3732410.17	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6044	499035.05	3732401.44	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6045	499039.74	3732392.71	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6046	499044.42	3732383.99	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6047	499049.11	3732375.26	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6048	499053.79	3732366.53	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.18E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6049	499058.48	3732357.8	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.18E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6050	499063.17	3732349.08	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.17E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
6051	499067.85	3732340.35	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.17E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
6052	499072.54	3732331.62	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.17E-09	1.81E-08	0.00E+00	0.00E+00	2.72E-08
6053	499077.22	3732322.89	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.16E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6054	499081.91	3732314.17	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.15E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6055	499086.59	3732305.44	6.08E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.15E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6056	499091.28	3732296.71	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.14E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6057	499095.96	3732287.98	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.13E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6058	499100.65	3732279.26	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.13E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6059	499105.34	3732270.53	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.12E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6060	499110.02	3732261.8	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.11E-09	1.79E-08	0.00E+00	0.00E+00	2.71E-08
6061	499114.71	3732253.07	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.10E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6062	499119.39	3732244.35	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.09E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6063	499124.08	3732235.62	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.08E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
6064	499128.76	3732226.89	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.07E-09	1.79E-08	0.00E+00	0.00E+00	2.69E-08
6065	499133.45	3732218.16	6.02E-08	1.02E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.02E-07	0.00E+00	0.00E+00	1.63E-07	9.06E-09	1.79E-08	0.00E+00	0.00E+00	2.69E-08
6066	499138.13	3732209.44	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.05E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
6067	499142.82	3732200.71	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.04E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
6068	499147.51	3732191.98	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.03E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
6069	499180.3	3732130.89	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.95E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
6070	499184.99	3732122.16	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.94E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
6071	499189.68	3732113.44	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.92E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
6072	499194.36	3732104.71	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.91E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
6073	499199.05	3732095.98	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.90E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
6074	499203.73	3732087.25	5.90E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.89E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
6075	499208.42	3732078.53	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.88E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
6076	499213.1	3732069.8	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.87E-09	1.75E-08	0.00E+00	0.00E+00	2.63E-08
6077	499217.79	3732061.07	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.85E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
6078	499222.47	3732052.34	5.87E-08	9.99E-08	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-08	9.99E-08	0.00E+00	0.00E+00	1.59E-07	8.84E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
6079	499227.16	3732043.62	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6080	499241.7	3732033.93	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.90E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
6081	499251.56	3732032.97	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.98E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
6082	499261.42	3732032.01	6.02E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.07E-09	1.79E-08	0.00E+00	0.00E+00	2.69E-08
6083	499271.28	3732031.06	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.04E-07	0.00E+00	0.00E+00	1.64E-07	9.16E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
6084	499281.14	3732030.1	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.25E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
6085	499291	3732029.14	6.20E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.34E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
6086	499300.86	3732028.18	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	9.43E-09	1.86E-08	0.00E+00	0.00E+00	2.80E-08
6087	499310.72	3732027.22	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.53E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
6088	499320.58	3732026.26	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.62E-09	1.90E-08	0.00E+00	0.00E+00	2.86E-08
6089	499330.44	3732025.31	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.72E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
6090	499340.3	3732024.35	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.82E-09	1.93E-08	0.00E+00	0.00E+00	2.92E-08
6091	499350.16	3732023.39	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.92E-09	1.95E-08	0.00E+00	0.00E+00	2.95E-08
6092	499409.31	3732017.64	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
6093	499419.17	3732016.68	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.17E-08
6094	499429.03	3732015.72	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
6095	499438.89	3732014.77	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
6096	499448.75	3732013.81	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.18E-08	0.00E+00	0.00E+00	3.28E-08
6097	499458.61	3732012.85	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
6098	499468.47	3732011.89	7.51E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.36E-08
6099	499478.33	3732010.93	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
6100	499488.19	3732009.98	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.43E-08
6101	499498.05	3732009.02	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.47E-08
6102	499507.9	3732008.06	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
6103	499517.76	3732007.1	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
6104	499527.62	3732006.14	8.05E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
6105	499537.48	3732005.18	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.64E-08
6106	499547.34	3732004.23	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.69E-08

6107	499557.2	3732003.27	8.34E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	1.26E-08	2.47E-08	0.00E+00	0.00E+00	3.73E-08
6108	499567.06	3732002.31	8.44E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.78E-08
6109	499576.92	3732001.35	8.55E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.53E-08	0.00E+00	0.00E+00	3.82E-08
6110	499586.78	3732000.39	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
6111	499596.64	3731999.43	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
6112	499606.5	3731998.48	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
6113	499616.36	3731997.52	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.02E-08
6114	499626.22	3731996.56	9.10E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.07E-08
6115	499636.07	3731995.6	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
6116	499645.93	3731994.64	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
6117	499655.79	3731993.69	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.23E-08
6118	499665.65	3731992.73	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
6119	499675.51	3731991.77	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
6120	499685.37	3731990.81	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
6121	499695.23	3731989.85	9.95E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.45E-08
6122	499705.09	3731988.89	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
6123	499714.95	3731987.94	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.56E-08
6124	499724.81	3731986.98	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.62E-08
6125	499734.67	3731986.02	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.68E-08
6126	499744.53	3731985.06	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
6127	499754.39	3731984.1	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
6128	499764.24	3731983.15	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
6129	499774.1	3731982.19	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
6130	499783.96	3731981.23	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
6131	499793.82	3731980.27	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
6132	499803.68	3731979.31	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.13E-08
6133	499813.54	3731978.35	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
6134	499823.4	3731977.4	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
6135	499833.26	3731976.44	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.33E-08
6136	499843.12	3731975.48	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.40E-08
6137	499852.98	3731974.52	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
6138	499862.84	3731973.56	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.54E-08
6139	499872.7	3731972.6	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
6140	499882.56	3731971.65	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
6141	499892.41	3731970.69	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.47E-07	1.94E-08	3.81E-08	0.00E+00	0.00E+00	5.75E-08
6142	499902.27	3731969.73	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
6143	499912.13	3731968.77	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.91E-08	0.00E+00	0.00E+00	5.89E-08
6144	499921.99	3731967.81	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
6145	499931.85	3731966.86	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
6146	499941.71	3731965.9	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.10E-08
6147	499951.57	3731964.94	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.17E-08
6148	499961.43	3731963.98	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.25E-08
6149	499971.29	3731963.02	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.32E-08
6150	499981.15	3731962.06	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
6151	499991.01	3731961.11	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.46E-08
6152	500000.87	3731960.15	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.53E-08
6153	500010.73	3731959.19	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
6154	500020.59	3731958.23	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.25E-08	4.42E-08	0.00E+00	0.00E+00	6.67E-08
6155	500030.44	3731957.27	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
6156	500040.3	3731956.32	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.52E-08	0.00E+00	0.00E+00	6.81E-08
6157	500050.16	3731955.36	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
6158	500060.02	3731954.4	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.61E-08	0.00E+00	0.00E+00	6.94E-08
6159	500069.88	3731953.44	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
6160	500079.74	3731952.48	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.08E-08
6161	500089.6	3731951.52	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.40E-08	4.74E-08	0.00E+00	0.00E+00	7.14E-08
6162	500099.46	3731950.57	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
6163	500109.32	3731949.61	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
6164	500119.18	3731948.65	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.86E-08	0.00E+00	0.00E+00	7.33E-08
6165	500129.04	3731947.69	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
6166	500138.9	3731946.73	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.45E-08
6167	500148.76	3731945.78	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.51E-08
6168	500158.61	3731944.82	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
6169	500168.47	3731943.86	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.61E-07	2.57E-08	5.06E-08	0.00E+00	0.00E+00	7.62E-08
6170	500178.33	3731942.9	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.68E-08
6171	500188.19	3731941.94	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.73E-08
6172	500198.05	3731940.98	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.78E-08
6173	500207.91	3731940.03	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
6174	500217.77	3731939.07	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.23E-08	0.00E+00	0.00E+00	7.88E-08
6175	500227.63	3731938.11	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.92E-08
6176	500237.49	3731937.15	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.82E-07	2.68E-08	5.29E-08	0.00E+00	0.00E+00	7.97E-08
6177	498734.53	3733267.58	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
6178	498734.51	3733277.5	6.73E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	2.00E-08	0.00E+00	0.00E+00	3.01E-08
6179	498713.44	3732933.88	5.58E-08	9.49E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-08	9.49E-08	0.00E+00	0.00E+00	1.51E-07	8.40E-09	1.65E-08	0.00E+00	0.00E+00	2.49E-08
6180	498718.1	3732925.2	5.58E-08	9.50E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-08	9.50E-08	0.00E+00	0.00E+00	1.51E-07	8.40E-09	1.66E-08	0.00E+00	0.00E+00	2.50E-08
6181	498722.76	3732916.53	5.59E-08	9.51E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-08	9.51E-08	0.00E+00	0.00E+00	1.51E-07	8.41E-09	1.66E-08	0.00E+00	0.00E+00	2.50E-08
6182	498727.42	3732907.85	5.59E-08	9.52E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-08	9.52E-08	0.00E+00	0.00E+00	1.51E-07	8.42E-09	1.66E-08	0.00E+00	0.00E+00	2.50E-08
6183	498732.08	3732899.17	5.60E-08	9.53E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-08	9.53E-08	0.00E+00	0.00E+00	1.51E-07	8.43E-09	1.66E-08	0.00E+00	0.00E+00	2.50E-08
6184	498736.74	3732890.49	5.60E-08	9.54E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-08	9.54E-08	0.00E+00	0.00E+00	1.51E-07	8.44E-09	1.66E-08	0.00E+00	0.00E+00	2.51E-08
6185	498741.4	3732881.81	5.61E-08	9.55E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-08	9.55E-08	0.00E+00	0.00E+00	1.52E-07	8.45E-09	1.66E-08	0.00E+00	0.00E+00	2.51E-08
6186	498746.06	3732873.13	5.62E-08	9.56E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-08	9.56E-08	0.00E+00	0.00E+00	1.52E-07	8.45E-09	1.67E-08	0.00E+00	0.00E+00	2.51E-08
6187	498750.72	3732864.45	5.62E-08	9.57E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-08	9.57E-08	0.00E+00	0.00E+00	1.52E-07	8.46E-09	1.67E-08	0.00E+00	0.00E+00	2.51E-08
6188	498755.38	3732855.77	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	8.47E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
6189	498760.04	3732847.09	5.63E-08	9.59E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.59E-08	0.00E+00	0.00E+00	1.52E-07	8.48E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
6190	498764.7	3732838.41	5.64E-08	9.60E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-08	9.60E-08	0.00E+00	0.00E+00	1.52E-07	8.49E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
6191	498769.36	3732829.73	5.64E-08	9.61E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-08	9.61E-08	0.00E+00	0.00E+00	1.52E-07	8.50E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
6192	498774.02	3732821.05	5.65E-08	9.62E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-08	9.62E-08	0.00E+00	0.00E+00	1.53E-07	8.51E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
6193	498778.68	3732812.37	5.65E-08	9.63E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-08	9.63E-08	0.00E+00	0.00E+00	1.53E-07	8.51E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
6194	498783.34	3732803.69	5.66E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	8.52E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
6195	498788	3732795.01	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	8.53E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
6196	498792.66	3732786.33	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	8.54E-09	1.68E-08	0.00E+00	0.00E+00	2.54E-08
6197	498797.32	3732777.65	5.68E-08	9.66E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	9.66E-08	0.00E+00	0.00E+00	1.53E-07	8.55E-09	1.68E-08	0.00E+00	0.00E+00	2.54E-08
6198	498801.98	3732768.97	5.68E-08	9.67E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	9.67E-08	0.00E+00	0.00E+00	1.54E-07	8.56E-09	1.69E-08	0.00E+00	0.00E+00	2.54E-08
6199	498806.64	3732760.29	5.69E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	8.57E-09	1.69E-08	0.00E+00	0.00E+00	2.54E-08
6200	498811.3	3732751.61	5.69E-08	9.69E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-08	9.69E-08	0.00E+00	0.00E+00	1.54E-07	8.57E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
6201	498815.96	3732742.93	5.70E-08	9.70E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-08	9.70E-08	0.00E+00	0.00E+00	1.54E-07	8.58E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
6202	498820.62	3732734.25	5.71E-08	9.71E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-08	9.71E-08	0.00E+00	0.00E+00	1.54E-07	8.59E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
6203	498825.28	3732725.57	5.71E-08	9.72E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-08	9.72E-08	0.00E+00	0.00E+00	1.54E-07	8.60E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
6204	498829.94	3732716.89	5.72E-08	9.73E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	9.73E-08	0.00E+00	0.00E+00	1.55E-07	8.61E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
6205	498834.6	3732708.21	5.72E-08	9.74E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	9.74E-08	0.00E+00	0.00E+00	1.55E-07	8.62E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
6206	498839.26	3732699.53	5.73E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	8.63E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
6207	498843.92	3732690.85	5.74E-08	9.76E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-08	9.76E-08	0.00E+00	0.00E+00	1.55E-07	8.64E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
6208	498848.58	3732682.17	5.74E-08	9.77E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-08	9.77E-08	0.00E+00	0.00E+00	1.55E-07	8.64E-09	1.70E-08	0.00E+00	0.00E+00	2.57E-08
6209	498853.24	3732673.49	5.75E-08	9.78E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	9.78E-08	0.00E+00	0.00E+00	1.55E-07	8.65E-09	1.70E-08	0.00E+00	0.00E+00	2.57E-08
6210	498857.9	3732664.82	5.75E-08	9.79E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	9.79E-08	0.00E+00	0.00E+00	1.55E-07	8.66E-09	1.71E-08	0.00E+00	0.00E+00	2.57E-08
6211	498862.56	3732656.14	5.76E-08	9.80E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-08	9.80E-08	0.00E+00	0.00E+00	1.56E-07	8.67E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
6212	498867.22	3732647.46	5.76E-08	9.81E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-08	9.81E-08	0.00E+00	0.00E+00	1.56E-07	8.68E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
6213	498871.88	3732638.78	5.77E-08	9.82E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-08	9.82E-08	0.00E+00	0.00E+00	1.56E-07	8.69E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
6214	498876.54	3732630.1	5.78E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	8.70E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
6215	498881.2	3732621.42	5.78E-08	9.84E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	9.84E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
6216	498885.86	3732612.74	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
6217	498890.52	3732604.06	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.57E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
6218	498895.18	3732595.38	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	8.73E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
6219	498899.84	3732586.7	5.80E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	8.74E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
6220	498904.5	3732578.02	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	8.75E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
6221	498909.16	3732569.34	5.81E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	8.75E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
6222	498913.82	3732560.66	5.82E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	8.76E-09	1.73E-08	0.00E+00	0.00E+00	2.60E-08
6223	498918.48	3732551.98	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	8.77E-09	1.73E-08	0.00E+00	0.00E+00	2.60E-08
6224	498923.14	3732543.3	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.57E-07	8.77E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6225	498927.8	3732534.62	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	8.78E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6226	498932.46	3732525.94	5.84E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	8.79E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6227	498937.12	3732517.26	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	8.79E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6228	498941.78	3732508.58	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6229	498946.44	3732499.9	5.85E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6230	498951.1	3732491.22	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	8.81E-09	1.73E-08	0.00E+00	0.00E+00	2.62E-08
6231	498955.76	3732482.54	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	8.81E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6232	498960.42	3732473.86	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	8.81E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6233	498965.08	3732465.18	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6234	498969.74	3732456.5	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6235	498974.4	3732447.82	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6236	498979.06	3732439.14	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08

6237	498983.72	3732430.46	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6238	498988.38	3732421.79	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6239	498993.04	3732413.11	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6240	498997.7	3732404.43	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6241	499002.36	3732395.75	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6242	499007.02	3732387.07	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6243	499011.67	3732378.39	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.83E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6244	499016.33	3732369.71	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.98E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6245	499020.99	3732361.03	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6246	499025.65	3732352.35	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6247	499030.31	3732343.67	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6248	499034.97	3732334.99	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	8.81E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6249	499039.63	3732326.31	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.96E-08	0.00E+00	0.00E+00	1.58E-07	8.81E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
6250	499044.29	3732317.63	5.85E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6251	499048.95	3732308.95	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6252	499053.61	3732300.27	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	8.79E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6253	499058.27	3732291.59	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.94E-08	0.00E+00	0.00E+00	1.58E-07	8.79E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6254	499062.93	3732282.91	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	8.78E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6255	499067.59	3732274.23	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.58E-07	8.78E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6256	499072.25	3732265.55	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	8.77E-09	1.73E-08	0.00E+00	0.00E+00	2.60E-08
6257	499076.91	3732256.87	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	8.76E-09	1.73E-08	0.00E+00	0.00E+00	2.60E-08
6258	499081.57	3732248.19	5.81E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	8.75E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
6259	499086.23	3732239.51	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	8.75E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
6260	499090.89	3732230.83	5.80E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	8.74E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
6261	499095.55	3732222.15	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	8.73E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
6262	499100.21	3732213.47	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.57E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
6263	499104.87	3732204.79	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
6264	499109.53	3732196.11	5.78E-08	9.84E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	9.84E-08	0.00E+00	0.00E+00	1.56E-07	8.70E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
6265	499114.19	3732187.43	5.77E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	8.69E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
6266	499146.81	3732126.68	5.72E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	9.75E-08	0.00E+00	0.00E+00	1.55E-07	8.62E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
6267	499151.47	3732118	5.72E-08	9.73E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	9.73E-08	0.00E+00	0.00E+00	1.55E-07	8.61E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
6268	499156.13	3732109.32	5.71E-08	9.72E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-08	9.72E-08	0.00E+00	0.00E+00	1.54E-07	8.60E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
6269	499160.79	3732100.64	5.70E-08	9.71E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-08	9.71E-08	0.00E+00	0.00E+00	1.54E-07	8.59E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
6270	499165.45	3732091.96	5.70E-08	9.70E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-08	9.70E-08	0.00E+00	0.00E+00	1.54E-07	8.58E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
6271	499170.11	3732083.28	5.69E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	8.57E-09	1.69E-08	0.00E+00	0.00E+00	2.54E-08
6272	499174.77	3732074.6	5.68E-08	9.67E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	9.67E-08	0.00E+00	0.00E+00	1.54E-07	8.55E-09	1.69E-08	0.00E+00	0.00E+00	2.54E-08
6273	499179.43	3732065.92	5.67E-08	9.66E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	9.66E-08	0.00E+00	0.00E+00	1.53E-07	8.54E-09	1.68E-08	0.00E+00	0.00E+00	2.54E-08
6274	499184.09	3732057.24	5.67E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	8.53E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
6275	499188.75	3732048.56	5.66E-08	9.63E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	9.63E-08	0.00E+00	0.00E+00	1.53E-07	8.52E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
6276	499193.41	3732039.88	5.65E-08	9.62E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-08	9.62E-08	0.00E+00	0.00E+00	1.53E-07	8.51E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
6277	499198.07	3732031.2	5.64E-08	9.60E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-08	9.60E-08	0.00E+00	0.00E+00	1.52E-07	8.50E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
6278	499202.73	3732022.52	5.63E-08	9.59E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.59E-08	0.00E+00	0.00E+00	1.52E-07	8.48E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
6279	499207.39	3732013.84	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	8.47E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
6280	499221.86	3732004.21	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	8.54E-09	1.68E-08	0.00E+00	0.00E+00	2.54E-08
6281	499231.66	3732003.26	5.72E-08	9.74E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	9.74E-08	0.00E+00	0.00E+00	1.55E-07	8.62E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
6282	499241.47	3732002.3	5.78E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	8.70E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
6283	499251.27	3732001.35	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	8.78E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
6284	499261.08	3732000.4	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.86E-09	1.75E-08	0.00E+00	0.00E+00	2.63E-08
6285	499270.88	3731999.44	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.95E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
6286	499280.69	3731998.49	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.03E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
6287	499290.49	3731997.54	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.12E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
6288	499300.3	3731996.59	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.21E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
6289	499310.1	3731995.63	6.18E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.30E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
6290	499319.91	3731994.68	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.39E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
6291	499329.71	3731993.73	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.48E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
6292	499339.52	3731992.77	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.84E-08
6293	499349.32	3731991.82	6.43E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	9.68E-09	1.91E-08	0.00E+00	0.00E+00	2.87E-08
6294	499417.96	3731985.15	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
6295	499427.77	3731984.2	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
6296	499437.57	3731983.24	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.16E-08
6297	499447.38	3731982.29	7.14E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.12E-08	0.00E+00	0.00E+00	3.19E-08
6298	499457.18	3731981.34	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
6299	499466.99	3731980.39	7.30E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
6300	499476.79	3731979.43	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
6301	499486.6	3731978.48	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
6302	499496.4	3731977.53	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
6303	499506.21	3731976.57	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
6304	499516.01	3731975.62	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
6305	499525.82	3731974.67	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
6306	499535.62	3731973.71	7.90E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
6307	499545.43	3731972.76	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
6308	499555.23	3731971.81	8.09E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
6309	499565.04	3731970.86	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
6310	499574.84	3731969.9	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.70E-08
6311	499584.65	3731968.95	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
6312	499594.45	3731968	8.48E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.79E-08
6313	499604.26	3731967.04	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
6314	499614.06	3731966.09	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
6315	499623.87	3731965.14	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
6316	499633.68	3731964.18	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
6317	499643.48	3731963.23	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.03E-08
6318	499653.29	3731962.28	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
6319	499663.09	3731961.33	9.25E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
6320	499672.9	3731960.37	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
6321	499682.7	3731959.42	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
6322	499692.51	3731958.47	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
6323	499702.31	3731957.51	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
6324	499712.12	3731956.56	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
6325	499721.92	3731955.61	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
6326	499731.73	3731954.66	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
6327	499741.53	3731953.7	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
6328	499751.34	3731952.75	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
6329	499761.14	3731951.8	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
6330	499770.95	3731950.84	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
6331	499780.75	3731949.89	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
6332	499790.56	3731948.94	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
6333	499800.36	3731947.98	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
6334	499810.17	3731947.03	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
6335	499819.97	3731946.08	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
6336	499829.78	3731945.13	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.12E-08
6337	499839.59	3731944.17	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
6338	499849.39	3731943.22	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
6339	499859.2	3731942.27	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
6340	499869	3731941.31	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.37E-08
6341	499878.81	3731940.36	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
6342	499888.61	3731939.41	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.51E-08
6343	499898.42	3731938.46	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.57E-08
6344	499908.22	3731937.5	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.64E-08
6345	499918.03	3731936.55	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
6346	499927.83	3731935.6	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
6347	499937.64	3731934.64	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.87E-08	0.00E+00	0.00E+00	5.84E-08
6348	499947.44	3731933.69	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.90E-08
6349	499957.25	3731932.74	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
6350	499967.05	3731931.78	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.04E-08
6351	499976.86	3731930.83	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.10E-08
6352	499986.66	3731929.88	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
6353	499996.47	3731928.93	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
6354	500006.27	3731927.97	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.30E-08
6355	500016.08	3731927.02	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.37E-08
6356	500025.88	3731926.07	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.43E-08
6357	500035.69	3731925.11	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
6358	500045.5	3731924.16	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
6359	500055.3	3731923.21	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
6360	500065.11	3731922.25	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
6361	500074.91	3731921.3	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
6362	500084.72	3731920.35	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	2.29E-08	4.52E-08	0.00E+00	0.00E+00	6.81E-08
6363	500094.52	3731919.4	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.56E-08	0.00E+00	0.00E+00	6.87E-08
6364	500104.33	3731918.44	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.33E-08	4.60E-08	0.00E+00	0.00E+00	6.93E-08
6365	500114.13	3731917.49	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.64E-08	0.00E+00	0.00E+00	6.99E-08
6366	500123.94	3731916.54	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	2.37E-08	4.68E-08	0.00E+00	0.00E+00	7.05E-08

6367	500133.74	3731915.58	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.11E-08
6368	500143.55	3731914.63	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
6369	500153.35	3731913.68	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.79E-08	0.00E+00	0.00E+00	7.22E-08
6370	500163.16	3731912.73	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
6371	500172.96	3731911.77	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.86E-08	0.00E+00	0.00E+00	7.32E-08
6372	500182.77	3731910.82	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
6373	500192.57	3731909.87	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.48E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.42E-08
6374	500202.38	3731908.91	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.52E-08	4.95E-08	0.00E+00	0.00E+00	7.47E-08
6375	500212.18	3731907.96	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
6376	500221.99	3731907.01	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.56E-08
6377	500231.79	3731906.05	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.61E-08
6378	500241.6	3731905.1	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.58E-08	5.07E-08	0.00E+00	0.00E+00	7.65E-08
6379	500280.82	3731901.29	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.63E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
6380	498698.81	3733267.5	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.65E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
6381	498698.79	3733277.42	6.43E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.69E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
6382	499638.42	3733557.27	8.02E-07	1.36E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-07	1.36E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.58E-07
6383	499627.74	3733544.8	7.58E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.25E-07	0.00E+00	0.00E+00	3.39E-07
6384	499620.92	3733581.67	7.40E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.31E-07
6385	499610.38	3733569.36	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.08E-07	0.00E+00	0.00E+00	3.14E-07
6386	499599.83	3733557.05	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
6387	499589.29	3733544.74	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.52E-08	1.87E-07	0.00E+00	0.00E+00	2.83E-07
6388	499632.9	3733592.67	7.84E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.50E-07
6389	499603.4	3733606.05	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.07E-07
6390	499592.97	3733593.88	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.83E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
6391	499582.55	3733581.7	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.36E-08	1.84E-07	0.00E+00	0.00E+00	2.78E-07
6392	499572.12	3733569.53	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.91E-08	1.75E-07	0.00E+00	0.00E+00	2.65E-07
6393	499561.7	3733557.35	5.63E-07	9.58E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	9.58E-07	0.00E+00	0.00E+00	1.52E-06	8.47E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
6394	499551.27	3733545.18	5.35E-07	9.10E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-07	9.10E-07	0.00E+00	0.00E+00	1.45E-06	8.05E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
6395	499540.85	3733533.01	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	7.65E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
6396	499615.32	3733616.99	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.23E-07
6397	499585.67	3733630.18	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.59E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
6398	499574.93	3733617.64	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	9.15E-08	1.80E-07	0.00E+00	0.00E+00	2.72E-07
6399	499564.19	3733605.1	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	8.72E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
6400	499553.45	3733592.55	5.51E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	8.30E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
6401	499542.71	3733580.01	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	7.90E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
6402	499531.97	3733567.47	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
6403	499521.22	3733554.93	4.75E-07	8.08E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-07	8.08E-07	0.00E+00	0.00E+00	1.28E-06	7.15E-08	1.41E-07	0.00E+00	0.00E+00	2.12E-07
6404	499597.75	3733641.3	6.7E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
6405	499568.15	3733654.56	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.94E-08	1.76E-07	0.00E+00	0.00E+00	2.66E-07
6406	499557.53	3733642.16	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.54E-06	8.55E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
6407	499546.91	3733629.75	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	8.18E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
6408	499536.28	3733617.35	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	7.81E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
6409	499525.66	3733604.94	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	7.45E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
6410	499580.17	3733665.61	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.39E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
6411	499550.63	3733678.93	5.55E-07	9.46E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-07	9.46E-07	0.00E+00	0.00E+00	1.50E-06	8.36E-08	1.65E-07	0.00E+00	0.00E+00	2.48E-07
6412	499540.11	3733666.65	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
6413	499529.59	3733654.36	5.11E-07	8.69E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-07	8.69E-07	0.00E+00	0.00E+00	1.38E-06	7.69E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
6414	499352.55	3733294.53	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
6415	499562.6	3733689.93	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	8.76E-08	1.73E-07	0.00E+00	0.00E+00	2.60E-07
6416	499527.14	3733711.29	5.1E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	7.68E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
6417	499354.39	3733469.45	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.75E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
6418	499350.59	3733453.56	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	3.66E-08	7.20E-08	0.00E+00	0.00E+00	1.09E-07
6419	499346.79	3733437.66	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.03E-08	0.00E+00	0.00E+00	1.06E-07
6420	499342.99	3733421.77	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
6421	499339.19	3733405.87	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
6422	499335.39	3733389.98	2.2E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
6423	499331.59	3733374.08	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
6424	499327.79	3733358.19	2.1E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.40E-08
6425	499323.99	3733342.29	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.08E-08	0.00E+00	0.00E+00	9.17E-08
6426	499320.19	3733326.4	2E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.02E-08	5.94E-08	0.00E+00	0.00E+00	8.96E-08
6427	499316.39	3733310.5	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.80E-08	0.00E+00	0.00E+00	8.75E-08
6428	499312.59	3733294.61	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.54E-08
6429	499539.17	3733722.35	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
6430	499503.66	3733743.65	4.7E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	7.08E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
6431	499460.76	3733693.55	4.03E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
6432	499450.03	3733681.03	3.87E-07	6.58E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	6.58E-07	0.00E+00	0.00E+00	1.05E-06	5.82E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
6433	499439.31	3733668.5	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
6434	499353.5	3733568.3	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	4.02E-08	7.91E-08	0.00E+00	0.00E+00	1.19E-07
6435	499342.78	3733555.78	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.86E-08	7.59E-08	0.00E+00	0.00E+00	1.15E-07
6436	499330.13	3733535.23	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
6437	499326.3	3733519.2	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
6438	499322.47	3733503.16	2.32E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.89E-08	0.00E+00	0.00E+00	1.04E-07
6439	499318.63	3733487.12	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
6440	499314.8	3733471.08	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.93E-08
6441	499310.96	3733455.04	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.27E-08	6.43E-08	0.00E+00	0.00E+00	9.70E-08
6442	499307.13	3733439.01	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
6443	499303.3	3733422.97	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.26E-08
6444	499299.46	3733406.93	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.05E-08
6445	499295.63	3733390.89	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.87E-08	0.00E+00	0.00E+00	8.85E-08
6446	499291.79	3733374.85	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	2.91E-08	5.74E-08	0.00E+00	0.00E+00	8.65E-08
6447	499287.96	3733358.82	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.45E-08
6448	499284.13	3733342.78	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.27E-08
6449	499280.29	3733326.74	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
6450	499276.46	3733310.7	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.90E-08
6451	499272.63	3733294.66	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.73E-08
6452	499515.74	3733754.76	4.9E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	7.38E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
6453	499480.34	3733776.2	4.36E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	6.56E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
6454	499469.83	3733763.92	4.21E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
6455	499459.32	3733751.65	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.82E-07
6456	499448.81	3733739.38	3.92E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	5.89E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
6457	499438.3	3733727.1	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	5.68E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
6458	499427.79	3733714.83	3.63E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
6459	499417.28	3733702.56	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
6460	499354.22	3733628.92	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
6461	499343.71	3733616.65	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	4.02E-08	7.92E-08	0.00E+00	0.00E+00	1.19E-07
6462	499333.2	3733604.37	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	3.87E-08	7.62E-08	0.00E+00	0.00E+00	1.15E-07
6463	499322.69	3733592.1	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.11E-07
6464	499312.18	3733579.83	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.06E-08	0.00E+00	0.00E+00	1.06E-07
6465	499301.67	3733567.56	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.02E-07
6466	499294.54	3733553.56	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.60E-08	0.00E+00	0.00E+00	9.95E-08
6467	499290.78	3733537.85	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.75E-08
6468	499287.02	3733522.13	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.54E-08
6469	499283.27	3733506.41	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.34E-08
6470	499279.51	3733490.7	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
6471	499275.75	3733474.98	2E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.01E-08	5.94E-08	0.00E+00	0.00E+00	8.95E-08
6472	499271.99	3733459.27	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.77E-08
6473	499268.24	3733443.55	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.58E-08
6474	499264.48	3733427.84	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
6475	499260.72	3733412.12	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
6476	499256.97	3733396.41	1.8E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
6477	499253.21	3733380.69	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.23E-08	0.00E+00	0.00E+00	7.88E-08
6478	499249.45	3733364.98	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
6479	499245.7	3733349.26	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.01E-08	0.00E+00	0.00E+00	7.56E-08
6480	499241.94	3733333.55	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.49E-08	4.91E-08	0.00E+00	0.00E+00	7.41E-08
6481	499238.18	3733317.83	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08
6482	499234.43	3733302.11	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.11E-08
6483	499492.3	3733787.18	4.53E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
6484	499456.86	3733808.56	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	6.09E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
6485	499446.26	3733796.19	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	5.89E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
6486	499435.66	3733783.81	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
6487	499425.07	3733771.43	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.88E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
6488	499414.47	3733759.05	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.53E-07	5.31E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
6489	499350.87	3733684.79	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.27E-07
6490	499340.27	3733672.41	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.10E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
6491	499329.67	3733660.04	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.95E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
6492	499319.07	3733647.66	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.83E-07	3.81E-08	7.50E-08	0.00E+00	0.00E+00	1.13E-07
6493	499308.47	3733635.28	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
6494	499297.87	3733622.9	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
6495	499287.28	3733610.53	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
6496	499276.68	3733598.15	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.47E-08	0.00E+00	0.00E+00	9.76E-08

6497	499266.08	3733585.77	2.1E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.24E-08	0.00E+00	0.00E+00	9.41E-08
6498	499258.88	3733571.66	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
6499	499255.09	3733555.81	2.01E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.97E-08
6500	499251.31	3733539.96	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.79E-08
6501	499247.52	3733524.11	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
6502	499243.73	3733508.26	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.44E-08
6503	499239.94	3733492.42	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.78E-08	5.49E-08	0.00E+00	0.00E+00	8.27E-08
6504	499236.15	3733476.57	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.10E-08
6505	499232.36	3733460.72	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.27E-08	0.00E+00	0.00E+00	7.94E-08
6506	499228.57	3733444.87	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.78E-08
6507	499224.78	3733429.02	1.71E-07	2.90E-07	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.90E-07	0.00E+00	0.00E+00	4.61E-07	2.57E-08	5.06E-08	0.00E+00	0.00E+00	7.63E-08
6508	499221	3733413.17	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.47E-08
6509	499217.21	3733397.32	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.86E-08	0.00E+00	0.00E+00	7.32E-08
6510	499213.42	3733381.47	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
6511	499209.63	3733365.63	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.04E-08
6512	499205.84	3733349.78	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.58E-08	0.00E+00	0.00E+00	6.90E-08
6513	499202.05	3733333.93	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.76E-08
6514	499198.26	3733318.08	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
6515	499194.47	3733302.23	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
6516	499468.87	3733819.6	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
6517	499433.39	3733840.93	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	5.68E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
6518	499422.71	3733828.46	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
6519	499412.03	3733815.99	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
6520	499337.27	3733728.7	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
6521	499326.6	3733716.22	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.23E-07	4.03E-08	7.94E-08	0.00E+00	0.00E+00	1.20E-07
6522	499315.92	3733703.75	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.89E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
6523	499305.24	3733691.28	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
6524	499294.56	3733678.81	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.61E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
6525	499283.88	3733666.34	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
6526	499273.2	3733653.87	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.04E-07	3.36E-08	6.63E-08	0.00E+00	0.00E+00	9.99E-08
6527	499262.52	3733641.4	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.64E-08
6528	499251.84	3733628.93	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.63E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.31E-08
6529	499241.16	3733616.46	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.03E-08	5.96E-08	0.00E+00	0.00E+00	8.99E-08
6530	499230.48	3733603.99	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.92E-08	5.76E-08	0.00E+00	0.00E+00	8.68E-08
6531	499223.23	3733589.77	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.45E-08
6532	499219.41	3733573.8	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
6533	499215.6	3733557.83	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.13E-08
6534	499211.78	3733541.86	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.69E-08	5.29E-08	0.00E+00	0.00E+00	7.97E-08
6535	499207.96	3733525.89	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
6536	499204.14	3733509.92	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
6537	499200.33	3733493.95	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
6538	499196.51	3733477.98	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.38E-08
6539	499192.69	3733462.01	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
6540	499188.87	3733446.05	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
6541	499185.06	3733430.08	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.34E-08	4.62E-08	0.00E+00	0.00E+00	6.96E-08
6542	499181.24	3733414.11	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
6543	499177.42	3733398.14	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.44E-08	0.00E+00	0.00E+00	6.70E-08
6544	499173.6	3733382.17	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
6545	499169.79	3733366.2	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
6546	499165.97	3733350.23	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.20E-08	0.00E+00	0.00E+00	6.33E-08
6547	499162.15	3733334.26	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.21E-08
6548	499158.34	3733318.3	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.10E-08
6549	499154.52	3733302.33	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.01E-08	3.97E-08	0.00E+00	0.00E+00	5.98E-08
6550	499445.44	3733852.02	3.9E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
6551	499409.92	3733873.31	3.52E-07	6.00E-07	0.00E+00	0.00E+00	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	6.00E-07	0.00E+00	0.00E+00	9.52E-07	5.30E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
6552	499291.65	3733735.2	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.26E-08	0.00E+00	0.00E+00	1.09E-07
6553	499280.9	3733722.64	2.36E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
6554	499270.14	3733710.08	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
6555	499259.39	3733697.53	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
6556	499248.64	3733684.97	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
6557	499237.89	3733672.42	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
6558	499227.14	3733659.86	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	2.99E-08	5.90E-08	0.00E+00	0.00E+00	8.89E-08
6559	499216.38	3733647.31	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.20E-07	2.89E-08	5.70E-08	0.00E+00	0.00E+00	8.60E-08
6560	499205.63	3733634.75	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.31E-08
6561	499194.88	3733622.19	1.8E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.33E-08	0.00E+00	0.00E+00	8.04E-08
6562	499187.58	3733607.88	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.84E-08
6563	499183.74	3733591.8	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	2.59E-08	5.10E-08	0.00E+00	0.00E+00	7.69E-08
6564	499179.89	3733575.72	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.01E-08	0.00E+00	0.00E+00	7.55E-08
6565	499176.05	3733559.64	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.41E-08
6566	499172.21	3733543.57	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
6567	499168.36	3733527.49	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.74E-08	0.00E+00	0.00E+00	7.14E-08
6568	499164.52	3733511.41	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
6569	499160.68	3733495.33	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
6570	499156.83	3733479.26	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
6571	499152.99	3733463.18	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
6572	499149.15	3733447.1	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
6573	499145.3	3733431.02	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.86E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.39E-08
6574	499141.46	3733414.95	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
6575	499137.62	3733398.87	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.16E-08
6576	499133.77	3733382.79	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.05E-08
6577	499129.93	3733366.71	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
6578	499126.09	3733350.64	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.87E-08	0.00E+00	0.00E+00	5.83E-08
6579	499122.24	3733334.56	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
6580	499118.4	3733318.48	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.63E-08
6581	499114.56	3733302.4	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
6582	499422.01	3733884.44	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
6583	499249.07	3733745.25	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
6584	499238.49	3733732.9	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
6585	499227.91	3733720.55	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
6586	499217.33	3733708.19	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.91E-08
6587	499206.75	3733695.84	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.62E-08
6588	499196.18	3733683.49	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.04E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.35E-08
6589	499185.6	3733671.14	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
6590	499175.02	3733658.79	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
6591	499164.44	3733646.43	1.7E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
6592	499151.98	3733626.17	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.45E-08	4.84E-08	0.00E+00	0.00E+00	7.29E-08
6593	499148.19	3733610.36	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
6594	499144.41	3733594.54	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.04E-08
6595	499140.63	3733578.72	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
6596	499136.85	3733562.91	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
6597	499133.07	3733547.09	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.68E-08
6598	499129.29	3733531.27	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
6599	499125.51	3733515.46	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
6600	499121.73	3733499.64	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.13E-08	4.21E-08	0.00E+00	0.00E+00	6.34E-08
6601	499117.95	3733483.82	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.23E-08
6602	499114.16	3733468.01	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.12E-08
6603	499110.38	3733452.19	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
6604	499106.6	3733436.37	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.92E-08
6605	499102.82	3733420.56	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
6606	499099.04	3733404.74	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
6607	499095.26	3733388.92	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
6608	499091.48	3733373.1	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
6609	499087.7	3733357.29	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
6610	499083.92	3733341.47	1.2E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
6611	499080.13	3733325.65	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
6612	499076.35	3733309.84	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
6613	499072.57	3733294.02	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
6614	499398.58	3733916.86	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
6615	499363.11	3733938.21	3.1E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	4.67E-08	9.21E-08	0.00E+00	0.00E+00	1.39E-07
6616	499352.46	3733925.77	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.96E-08	0.00E+00	0.00E+00	1.35E-07
6617	499341.82	3733913.34	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.42E-08	8.72E-08	0.00E+00	0.00E+00	1.31E-07
6618	499331.17	3733900.91	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.47E-08	0.00E+00	0.00E+00	1.28E-07
6619	499320.52	3733888.48	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
6620	499192.76	3733739.28	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.65E-08	0.00E+00	0.00E+00	8.52E-08
6621	499182.11	3733726.85	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.14E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
6622	499171.46	3733714.41	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	8.00E-08
6623	499160.82	3733701.98	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.14E-08	0.00E+00	0.00E+00	7.75E-08
6624	499150.17	3733689.55	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
6625	499139.52	3733677.11	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.29E-08
6626	499128.88	3733664.68	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.07E-08

6627	499116.33	3733644.29	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
6628	499112.52	3733628.37	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
6629	499108.71	3733612.45	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.98E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.58E-08
6630	499104.91	3733596.53	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
6631	499101.1	3733580.61	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
6632	499097.3	3733564.69	1.4E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	2.11E-08	4.15E-08	0.00E+00	0.00E+00	6.25E-08
6633	499093.49	3733548.77	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.15E-08
6634	499089.68	3733532.84	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.05E-08
6635	499085.88	3733516.92	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.95E-08	0.00E+00	0.00E+00	5.95E-08
6636	499082.07	3733501	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
6637	499078.27	3733485.08	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.75E-08
6638	499074.46	3733469.16	1.27E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.75E-08	0.00E+00	0.00E+00	5.66E-08
6639	499070.66	3733453.24	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.57E-08
6640	499066.85	3733437.32	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.48E-08
6641	499063.04	3733421.4	1.2E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
6642	499059.24	3733405.48	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.52E-08	0.00E+00	0.00E+00	5.30E-08
6643	499055.43	3733389.56	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.21E-08
6644	499051.63	3733373.64	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.13E-08
6645	499047.82	3733357.72	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
6646	499044.02	3733341.8	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.97E-08
6647	499040.21	3733325.88	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.65E-08	3.24E-08	0.00E+00	0.00E+00	4.89E-08
6648	499036.4	3733309.96	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
6649	499032.6	3733294.04	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
6650	499339.65	3733970.59	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.67E-08	0.00E+00	0.00E+00	1.31E-07
6651	499328.94	3733958.08	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	4.29E-08	8.45E-08	0.00E+00	0.00E+00	1.27E-07
6652	499318.23	3733945.57	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
6653	499307.52	3733933.07	2.7E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	4.06E-08	8.00E-08	0.00E+00	0.00E+00	1.21E-07
6654	499296.8	3733920.56	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
6655	499286.09	3733908.05	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.56E-08	0.00E+00	0.00E+00	1.14E-07
6656	499275.38	3733895.54	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.35E-08	0.00E+00	0.00E+00	1.11E-07
6657	499146.86	3733745.46	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
6658	499136.14	3733732.95	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.44E-08
6659	499125.43	3733720.44	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.79E-08	0.00E+00	0.00E+00	7.22E-08
6660	499114.72	3733707.93	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
6661	499104.01	3733695.43	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.81E-08
6662	499093.3	3733682.92	1.48E-07	2.52E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	3.99E-07	2.23E-08	4.38E-08	0.00E+00	0.00E+00	6.61E-08
6663	499080.68	3733662.41	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.37E-08
6664	499076.85	3733646.39	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
6665	499073.02	3733630.37	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.16E-08
6666	499069.19	3733614.36	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
6667	499065.36	3733598.34	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
6668	499061.53	3733582.33	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.89E-08	0.00E+00	0.00E+00	5.87E-08
6669	499057.71	3733566.31	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.95E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08
6670	499053.88	3733550.3	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
6671	499050.05	3733534.28	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
6672	499046.22	3733518.27	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
6673	499042.39	3733502.25	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
6674	499038.56	3733486.24	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.33E-08
6675	499034.73	3733470.22	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
6676	499030.91	3733454.2	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.16E-08
6677	499027.08	3733438.19	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
6678	499023.25	3733422.17	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
6679	499019.42	3733406.16	1.1E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
6680	499015.59	3733390.14	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
6681	499011.76	3733374.13	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
6682	499007.93	3733358.11	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
6683	499004.11	3733342.1	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
6684	499000.28	3733326.08	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.02E-08	0.00E+00	0.00E+00	4.56E-08
6685	498996.45	3733310.07	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.49E-08
6686	498992.62	3733294.05	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
6687	499351.71	3733981.69	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.35E-07
6688	499316.19	3734002.97	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
6689	499305.42	3733990.4	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
6690	499294.65	3733977.82	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
6691	499283.88	3733965.25	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
6692	499273.11	3733952.67	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
6693	499262.34	3733940.09	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.64E-08	7.17E-08	0.00E+00	0.00E+00	1.08E-07
6694	499251.57	3733927.52	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	3.54E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
6695	499240.8	3733914.94	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
6696	499230.03	3733902.37	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.59E-08	0.00E+00	0.00E+00	9.93E-08
6697	499219.26	3733889.79	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.64E-08
6698	499208.49	3733877.22	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
6699	499197.72	3733864.64	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
6700	499186.95	3733852.06	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.82E-08
6701	499090.03	3733738.88	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
6702	499079.26	3733726.31	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
6703	499068.49	3733713.73	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
6704	499057.72	3733701.15	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.09E-08	4.11E-08	0.00E+00	0.00E+00	6.19E-08
6705	499045.03	3733680.53	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
6706	499041.18	3733664.42	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
6707	499037.33	3733648.32	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.79E-08
6708	499033.48	3733632.22	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
6709	499029.63	3733616.11	1.25E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
6710	499025.78	3733600.01	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.53E-08
6711	499021.93	3733583.91	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
6712	499018.08	3733567.81	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.36E-08
6713	499014.23	3733551.7	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.27E-08
6714	499010.38	3733535.6	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
6715	499006.53	3733519.5	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
6716	499002.68	3733503.39	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.03E-08
6717	498998.84	3733487.29	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
6718	498994.99	3733471.19	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.24E-08	0.00E+00	0.00E+00	4.88E-08
6719	498991.14	3733455.08	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
6720	498987.29	3733438.98	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.60E-08	3.14E-08	0.00E+00	0.00E+00	4.74E-08
6721	498983.44	3733422.88	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
6722	498979.59	3733406.78	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
6723	498975.74	3733390.67	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
6724	498971.89	3733374.57	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
6725	498968.04	3733358.47	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
6726	498964.19	3733342.36	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
6727	498960.34	3733326.26	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
6728	498956.49	3733310.16	9.4E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.20E-08
6729	498952.64	3733294.05	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.75E-08	0.00E+00	0.00E+00	4.14E-08
6730	499328.28	3734014.11	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	4.27E-08	8.41E-08	0.00E+00	0.00E+00	1.27E-07
6731	499295.36	3734032.03	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.95E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
6732	499284.79	3734019.68	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
6733	499274.21	3734007.33	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
6734	499263.64	3733994.99	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
6735	499253.06	3733982.64	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.06E-08	0.00E+00	0.00E+00	1.06E-07
6736	499242.49	3733970.29	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
6737	499231.91	3733957.94	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
6738	499221.34	3733945.59	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
6739	499210.77	3733933.24	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.56E-08
6740	499200.19	3733920.9	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.30E-08
6741	499189.62	3733908.55	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.00E-08	0.00E+00	0.00E+00	9.05E-08
6742	499179.04	3733896.2	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.79E-08
6743	499168.47	3733883.85	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.55E-08
6744	499157.89	3733871.5	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.31E-08
6745	499147.32	3733859.15	1.81E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
6746	499041.57	3733735.67	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.10E-08
6747	499031	3733723.32	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.58E-07	2.00E-08	3.93E-08	0.00E+00	0.00E+00	5.93E-08
6748	499020.42	3733710.97	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
6749	499013.25	3733696.89	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.66E-08
6750	499009.47	3733681.08	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.57E-08
6751	499005.69	3733665.27	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
6752	499001.91	3733649.46	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
6753	498998.13	3733633.64	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.79E-08	3.54E-08	0.00E+00	0.00E+00	5.33E-08
6754	498994.35	3733617.83	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
6755	498990.57	3733602.02	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
6756	498986.79	3733586.21	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08

6757	498983.01	3733570.4	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.03E-08
6758	498979.23	3733554.58	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.95E-08
6759	498975.45	3733538.77	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.24E-08	0.00E+00	0.00E+00	4.88E-08
6760	498971.67	3733522.96	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
6761	498967.89	3733507.15	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.74E-08
6762	498964.11	3733491.34	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.68E-08
6763	498960.33	3733475.52	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
6764	498956.55	3733459.71	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
6765	498952.77	3733443.9	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
6766	498948.99	3733428.09	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
6767	498945.21	3733412.28	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.35E-08
6768	498941.43	3733396.47	9.6E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
6769	498937.65	3733380.65	9.46E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.23E-08
6770	498933.87	3733364.84	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
6771	498930.09	3733349.03	9.2E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.11E-08
6772	498926.31	3733333.22	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
6773	498922.53	3733317.41	8.95E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.65E-08	0.00E+00	0.00E+00	4.00E-08
6774	498918.75	3733301.59	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.94E-08
6775	499307.36	3734043.06	2.7E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	4.06E-08	8.00E-08	0.00E+00	0.00E+00	1.21E-07
6776	499274.43	3734060.97	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
6777	499263.85	3734048.61	2.45E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
6778	499253.26	3734036.25	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
6779	499242.68	3734023.88	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
6780	499232.09	3734011.52	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
6781	499221.5	3733999.16	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.92E-08
6782	499210.92	3733986.8	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.26E-08	6.41E-08	0.00E+00	0.00E+00	9.67E-08
6783	499200.33	3733974.44	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
6784	499189.75	3733962.07	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.09E-08	0.00E+00	0.00E+00	9.18E-08
6785	499179.16	3733949.71	2E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.93E-08
6786	499168.57	3733937.35	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
6787	499157.99	3733924.99	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.46E-08
6788	499147.4	3733912.63	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.98E-07	2.77E-08	5.46E-08	0.00E+00	0.00E+00	8.23E-08
6789	499136.82	3733900.26	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.31E-08	0.00E+00	0.00E+00	8.01E-08
6790	499126.23	3733887.9	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.62E-08	5.17E-08	0.00E+00	0.00E+00	7.79E-08
6791	499115.64	3733875.54	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
6792	499105.06	3733863.18	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
6793	498999.2	3733739.56	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
6794	498988.61	3733727.2	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
6795	498981.42	3733713.1	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.37E-08
6796	498977.64	3733697.27	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
6797	498973.86	3733681.44	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.21E-08
6798	498970.07	3733665.62	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
6799	498966.29	3733649.79	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
6800	498962.5	3733633.96	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
6801	498958.72	3733618.13	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.92E-08
6802	498954.94	3733602.3	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
6803	498951.15	3733586.47	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.79E-08
6804	498947.37	3733570.64	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
6805	498943.58	3733554.81	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.65E-08
6806	498939.8	3733538.98	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.55E-08	3.04E-08	0.00E+00	0.00E+00	4.59E-08
6807	498936.02	3733523.15	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
6808	498932.23	3733507.32	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
6809	498928.45	3733491.49	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
6810	498924.66	3733475.67	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
6811	498920.88	3733459.84	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
6812	498917.1	3733444.01	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
6813	498913.31	3733428.18	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.17E-08
6814	498909.53	3733412.35	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.73E-08	0.00E+00	0.00E+00	4.11E-08
6815	498905.74	3733396.52	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
6816	498901.96	3733380.69	8.95E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.65E-08	0.00E+00	0.00E+00	4.00E-08
6817	498898.18	3733364.86	8.83E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.95E-08
6818	498894.39	3733349.03	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
6819	498890.61	3733333.2	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
6820	498886.82	3733317.37	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
6821	498883.04	3733301.54	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
6822	499286.44	3734072	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
6823	499253.51	3734089.91	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.60E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
6824	499242.91	3734077.53	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.31E-07	3.52E-08	6.93E-08	0.00E+00	0.00E+00	1.04E-07
6825	499232.31	3734065.16	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
6826	499221.72	3734052.78	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.97E-08
6827	499211.12	3734040.41	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.74E-08
6828	499200.52	3734028.04	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.30E-08	0.00E+00	0.00E+00	9.50E-08
6829	499189.93	3734015.66	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
6830	499179.33	3734003.29	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	3.04E-08	6.00E-08	0.00E+00	0.00E+00	9.04E-08
6831	499168.73	3733990.91	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.81E-08
6832	499158.14	3733978.54	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.70E-08	0.00E+00	0.00E+00	8.59E-08
6833	499147.54	3733966.16	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
6834	499136.94	3733953.79	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.41E-08	0.00E+00	0.00E+00	8.15E-08
6835	499126.35	3733941.41	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.94E-08
6836	499115.75	3733929.04	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.73E-08
6837	499105.15	3733916.67	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
6838	499094.56	3733904.29	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.86E-08	0.00E+00	0.00E+00	7.32E-08
6839	499083.96	3733891.92	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.73E-08	0.00E+00	0.00E+00	7.13E-08
6840	498956.8	3733743.42	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
6841	498949.6	3733729.31	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
6842	498945.82	3733713.47	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.03E-08
6843	498942.03	3733697.62	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
6844	498938.24	3733681.78	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.65E-08	3.24E-08	0.00E+00	0.00E+00	4.89E-08
6845	498934.45	3733665.93	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
6846	498930.66	3733650.09	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.76E-08
6847	498926.88	3733634.24	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
6848	498923.09	3733618.4	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
6849	498919.3	3733602.55	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.56E-08
6850	498915.51	3733586.71	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.50E-08
6851	498911.72	3733570.86	9.94E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.44E-08
6852	498907.94	3733555.02	9.8E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.38E-08
6853	498904.15	3733539.17	9.67E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.32E-08
6854	498900.36	3733523.33	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
6855	498896.57	3733507.48	9.42E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.21E-08
6856	498892.79	3733491.64	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.16E-08
6857	498889	3733475.79	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.10E-08
6858	498885.21	3733459.95	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.05E-08
6859	498881.42	3733444.1	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.65E-08	0.00E+00	0.00E+00	3.99E-08
6860	498877.63	3733428.25	8.81E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.61E-08	0.00E+00	0.00E+00	3.94E-08
6861	498873.85	3733412.41	8.7E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
6862	498870.06	3733396.56	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
6863	498866.27	3733380.72	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
6864	498862.48	3733364.87	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
6865	498858.69	3733349.03	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.69E-08
6866	498854.91	3733333.18	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.64E-08
6867	498851.12	3733317.34	8.04E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.60E-08
6868	498847.33	3733301.49	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.55E-08
6869	499265.52	3734100.95	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.26E-08	0.00E+00	0.00E+00	1.09E-07
6870	499221.97	3734106.46	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.99E-08
6871	499211.37	3734094.07	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
6872	499200.76	3734081.69	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.33E-08	0.00E+00	0.00E+00	9.55E-08
6873	499190.15	3734069.3	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
6874	499179.55	3734056.92	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.05E-08	0.00E+00	0.00E+00	9.12E-08
6875	499168.94	3734044.53	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
6876	499158.33	3734032.14	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.92E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
6877	499147.73	3734019.76	1.9E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
6878	499137.12	3734007.37	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.26E-08
6879	499126.51	3733994.99	1.8E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.06E-08
6880	499115.91	3733982.6	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.64E-08	5.21E-08	0.00E+00	0.00E+00	7.85E-08
6881	499105.3	3733970.21	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.65E-08
6882	499094.69	3733957.83	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
6883	499084.09	3733945.44	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
6884	499073.48	3733933.06	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.08E-08
6885	499062.87	3733920.67	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
6886	499052.26	3733908.28	1.5E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.72E-08

6887	499041.66	3733895.9	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
6888	498917.78	3733745.53	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
6889	498913.99	3733729.67	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
6890	498910.2	3733713.81	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
6891	498906.41	3733697.95	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
6892	498902.62	3733682.09	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
6893	498898.83	3733666.23	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
6894	498895.03	3733650.36	1E-07	1.70E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
6895	498891.24	3733634.5	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
6896	498887.45	3733618.64	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
6897	498883.66	3733602.78	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
6898	498879.87	3733586.92	9.5E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
6899	498876.08	3733571.06	9.37E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
6900	498872.29	3733555.2	9.25E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.14E-08
6901	498868.49	3733539.34	9.13E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
6902	498864.7	3733523.48	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.03E-08
6903	498860.91	3733507.62	8.9E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
6904	498857.12	3733491.76	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
6905	498853.33	3733475.9	8.68E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-08	1.48E-07	0.00E+00	0.00E+00	2.34E-07	1.31E-08	2.57E-08	0.00E+00	0.00E+00	3.88E-08
6906	498849.54	3733460.04	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
6907	498845.75	3733444.18	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
6908	498841.95	3733428.32	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.73E-08
6909	498838.16	3733412.46	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.69E-08
6910	498834.37	3733396.6	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.64E-08
6911	498830.58	3733380.74	8.04E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.60E-08
6912	498826.79	3733364.88	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.35E-08	0.00E+00	0.00E+00	3.55E-08
6913	498823	3733349.02	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.51E-08
6914	498819.21	3733333.16	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.46E-08
6915	498815.41	3733317.3	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
6916	498811.62	3733301.44	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
6917	499179.81	3734110.6	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.16E-08
6918	499169.19	3734098.2	2E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.01E-08	5.94E-08	0.00E+00	0.00E+00	8.95E-08
6919	499158.57	3734085.8	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.75E-08
6920	499147.96	3734073.4	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.55E-08
6921	499137.34	3734061.01	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.35E-08
6922	499126.73	3734048.61	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
6923	499116.11	3734036.21	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
6924	499105.49	3734023.82	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.77E-08
6925	499094.88	3734011.42	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.58E-08
6926	499084.26	3733999.02	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
6927	499073.64	3733986.62	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.20E-08
6928	499063.03	3733974.23	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.37E-08	4.66E-08	0.00E+00	0.00E+00	7.02E-08
6929	499052.41	3733961.83	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
6930	499041.8	3733949.43	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.67E-08
6931	499031.18	3733937.04	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
6932	499020.56	3733924.64	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.41E-07	0.00E+00	0.00E+00	3.83E-07	2.14E-08	4.21E-08	0.00E+00	0.00E+00	6.34E-08
6933	499009.95	3733912.24	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.18E-08
6934	498999.33	3733899.84	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
6935	498882.17	3733745.86	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.56E-08
6936	498878.37	3733729.99	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
6937	498874.58	3733714.12	9.95E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.45E-08
6938	498870.78	3733698.24	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
6939	498866.99	3733682.37	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
6940	498863.19	3733666.49	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
6941	498859.4	3733650.62	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
6942	498855.6	3733634.74	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
6943	498851.81	3733618.87	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
6944	498848.01	3733603	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.07E-08
6945	498844.22	3733587.12	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
6946	498840.42	3733571.25	8.86E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.33E-08	2.63E-08	0.00E+00	0.00E+00	3.96E-08
6947	498836.63	3733555.37	8.75E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.91E-08
6948	498832.84	3733539.5	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.87E-08
6949	498829.04	3733523.62	8.54E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.53E-08	0.00E+00	0.00E+00	3.82E-08
6950	498825.25	3733507.75	8.43E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.77E-08
6951	498821.45	3733491.88	8.33E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	1.25E-08	2.47E-08	0.00E+00	0.00E+00	3.72E-08
6952	498817.66	3733476	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
6953	498813.86	3733460.13	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.63E-08
6954	498810.07	3733444.25	8.03E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.59E-08
6955	498806.27	3733428.38	7.93E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.55E-08
6956	498802.48	3733412.51	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
6957	498798.68	3733396.63	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.46E-08
6958	498794.89	3733380.76	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
6959	498791.09	3733364.88	7.55E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.38E-08
6960	498787.3	3733349.01	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
6961	498783.5	3733333.13	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
6962	498779.71	3733317.26	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
6963	498775.91	3733301.39	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
6964	499190.73	3734176.73	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
6965	499180.1	3734164.32	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.08E-08	0.00E+00	0.00E+00	9.16E-08
6966	499126.98	3734102.28	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.46E-08	0.00E+00	0.00E+00	8.23E-08
6967	499116.35	3734089.87	1.8E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.33E-08	0.00E+00	0.00E+00	8.04E-08
6968	499105.73	3734077.47	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.64E-08	5.21E-08	0.00E+00	0.00E+00	7.85E-08
6969	499095.1	3734065.06	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
6970	499084.48	3734052.65	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	2.52E-08	4.97E-08	0.00E+00	0.00E+00	7.49E-08
6971	499073.85	3734040.25	1.64E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.31E-08
6972	499063.23	3734027.84	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.73E-08	0.00E+00	0.00E+00	7.14E-08
6973	499052.6	3734015.43	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.62E-08	0.00E+00	0.00E+00	6.96E-08
6974	499041.98	3734003.02	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.79E-08
6975	499031.35	3733990.62	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
6976	499020.73	3733978.21	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
6977	499010.1	3733965.8	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.31E-08
6978	498999.48	3733953.39	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.15E-08
6979	498988.85	3733940.99	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
6980	498978.23	3733928.58	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
6981	498967.6	3733916.17	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.79E-08	0.00E+00	0.00E+00	5.71E-08
6982	498956.98	3733903.76	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.57E-08
6983	498846.55	3733746.18	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
6984	498842.75	3733730.29	9.5E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
6985	498838.95	3733714.4	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.20E-08
6986	498835.15	3733698.51	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	1.40E-08	2.75E-08	0.00E+00	0.00E+00	4.14E-08
6987	498831.35	3733682.63	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
6988	498827.56	3733666.74	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
6989	498823.76	3733650.85	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.65E-08	0.00E+00	0.00E+00	3.99E-08
6990	498819.96	3733634.96	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.94E-08
6991	498816.16	3733619.08	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.90E-08
6992	498812.36	3733603.19	8.61E-08	1.46E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	1.46E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.55E-08	0.00E+00	0.00E+00	3.85E-08
6993	498808.57	3733587.3	8.5E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.80E-08
6994	498804.77	3733571.42	8.4E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.76E-08
6995	498800.97	3733555.53	8.3E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
6996	498797.17	3733539.64	8.2E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.67E-08
6997	498793.37	3733523.75	8.1E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
6998	498789.58	3733507.87	8E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.21E-08	2.37E-08	0.00E+00	0.00E+00	3.58E-08
6999	498785.78	3733491.98	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.54E-08
7000	498781.98	3733476.09	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
7001	498778.18	3733460.2	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-08	1.31E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
7002	498774.39	3733444.32	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
7003	498770.59	3733428.43	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
7004	498766.79	3733412.54	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
7005	498762.99	3733396.65	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
7006	498759.19	3733380.77	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
7007	498755.4	3733364.88	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.22E-08
7008	498751.6	3733348.99	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
7009	498747.8	3733333.1	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
7010	498744	3733317.22	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
7011	498740.2	3733301.33	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.07E-08
7012	499202.75	3734187.78	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.56E-08
7013	499169.8	3734205.67	2E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.94E-08	0.00E+00	0.00E+00	8.96E-08
7014	499159.17	3734193.25	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.79E-08
7015	499148.54	3734180.83	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.62E-08
7016	499137.9	3734168.42	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.44E-08

7017	499127.27	3734156	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.27E-08
7018	499063.47	3734081.5	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	2.43E-08	4.80E-08	0.00E+00	0.00E+00	7.23E-08
7019	499052.84	3734069.08	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.06E-08
7020	499042.2	3734056.66	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.58E-08	0.00E+00	0.00E+00	6.90E-08
7021	499031.57	3734044.25	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.56E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
7022	499020.94	3734031.83	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.58E-08
7023	499010.3	3734019.41	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
7024	498999.67	3734006.99	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
7025	498989.04	3733994.58	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.12E-08
7026	498978.4	3733982.16	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
7027	498967.77	3733969.74	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.83E-08
7028	498957.14	3733957.33	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.69E-08
7029	498946.5	3733944.91	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
7030	498935.87	3733932.49	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
7031	498810.92	3733746.47	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.07E-08
7032	498807.12	3733730.57	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.02E-08
7033	498803.32	3733714.67	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
7034	498799.52	3733698.77	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
7035	498795.72	3733682.87	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
7036	498791.91	3733666.97	8.56E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-08	1.46E-07	0.00E+00	0.00E+00	2.31E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.83E-08
7037	498788.11	3733651.07	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
7038	498784.31	3733635.17	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
7039	498780.51	3733619.27	8.26E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	1.41E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.45E-08	0.00E+00	0.00E+00	3.69E-08
7040	498776.71	3733603.37	8.16E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
7041	498772.91	3733587.47	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.61E-08
7042	498769.11	3733571.57	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
7043	498765.31	3733555.67	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.52E-08
7044	498761.51	3733539.77	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
7045	498757.71	3733523.87	7.7E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
7046	498753.91	3733507.97	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
7047	498750.1	3733492.07	7.52E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.36E-08
7048	498746.3	3733476.17	7.43E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
7049	498742.5	3733460.27	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
7050	498738.7	3733444.37	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
7051	498734.9	3733428.47	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
7052	498731.1	3733412.57	7.1E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.17E-08
7053	498727.3	3733396.67	7.02E-08	1.19E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.19E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
7054	498723.5	3733380.77	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
7055	498719.7	3733364.87	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.07E-08
7056	498715.9	3733348.97	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.03E-08
7057	498712.1	3733333.07	6.7E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
7058	498708.29	3733317.17	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.97E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
7059	498704.49	3733301.27	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.86E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
7060	499181.83	3734216.72	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.16E-08
7061	499599.9	3733540.36	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.98E-08	1.97E-07	0.00E+00	0.00E+00	2.96E-07
7062	499569.9	3733540.08	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	8.71E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
7063	499322.23	3733284.6	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.92E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
7064	499322.14	3733294.34	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
7065	499321.43	3733372.24	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.34E-08
7066	499321.34	3733381.98	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.58E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
7067	499321.25	3733391.72	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.29E-08	0.00E+00	0.00E+00	9.49E-08
7068	499321.16	3733401.46	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.56E-08
7069	499321.07	3733411.2	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.25E-08	6.39E-08	0.00E+00	0.00E+00	9.64E-08
7070	499320.98	3733420.94	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.71E-08
7071	499320.89	3733430.67	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.79E-08
7072	499320.8	3733440.41	2.2E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.86E-08
7073	499320.72	3733450.15	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.59E-08	0.00E+00	0.00E+00	9.93E-08
7074	499320.63	3733459.89	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	3.37E-08	6.64E-08	0.00E+00	0.00E+00	1.00E-07
7075	499320	3733528.05	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
7076	499319.91	3733537.79	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.02E-08	0.00E+00	0.00E+00	1.06E-07
7077	499282.23	3733284.24	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.85E-08
7078	499282.15	3733293.97	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.91E-08
7079	499281.43	3733371.88	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
7080	499281.34	3733381.62	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.46E-08
7081	499281.25	3733391.35	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.66E-08	0.00E+00	0.00E+00	8.53E-08
7082	499281.16	3733401.09	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.70E-08	0.00E+00	0.00E+00	8.59E-08
7083	499281.07	3733410.83	1.94E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	2.91E-08	5.74E-08	0.00E+00	0.00E+00	8.65E-08
7084	499280.99	3733420.57	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.93E-08	5.78E-08	0.00E+00	0.00E+00	8.72E-08
7085	499280.9	3733430.31	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.82E-08	0.00E+00	0.00E+00	8.78E-08
7086	499280.81	3733440.04	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.34E-07	2.98E-08	5.86E-08	0.00E+00	0.00E+00	8.84E-08
7087	499280.72	3733449.78	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.90E-08
7088	499279.91	3733537.43	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.46E-08
7089	499242.24	3733283.87	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.73E-08	0.00E+00	0.00E+00	7.13E-08
7090	499242.15	3733293.61	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.77E-08	0.00E+00	0.00E+00	7.19E-08
7091	499241.43	3733371.51	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
7092	499241.34	3733381.25	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
7093	499241.25	3733390.99	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
7094	499241.17	3733400.73	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.77E-08
7095	499241.08	3733410.46	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
7096	499240.99	3733420.2	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.23E-08	0.00E+00	0.00E+00	7.88E-08
7097	499240.9	3733429.94	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
7098	499240.81	3733439.68	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
7099	499240.72	3733449.42	1.8E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.33E-08	0.00E+00	0.00E+00	8.04E-08
7100	499240.09	3733517.58	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.09E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.42E-08
7101	499239.92	3733537.06	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.65E-08	0.00E+00	0.00E+00	8.52E-08
7102	499202.24	3733283.5	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.52E-08
7103	499202.15	3733293.24	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
7104	499201.52	3733361.41	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
7105	499201.43	3733371.15	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
7106	499201.35	3733380.88	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
7107	499201.26	3733390.62	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.66E-08	0.00E+00	0.00E+00	7.03E-08
7108	499201.17	3733400.36	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.08E-08
7109	499201.08	3733410.1	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	2.40E-08	4.72E-08	0.00E+00	0.00E+00	7.12E-08
7110	499200.99	3733419.84	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.17E-08
7111	499200.9	3733429.57	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.79E-08	0.00E+00	0.00E+00	7.21E-08
7112	499200.81	3733439.31	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	2.44E-08	4.82E-08	0.00E+00	0.00E+00	7.26E-08
7113	499200.72	3733449.05	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.31E-08
7114	499200.54	3733468.53	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.91E-08	0.00E+00	0.00E+00	7.40E-08
7115	499199.92	3733536.69	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.73E-08
7116	499162.24	3733283.14	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
7117	499162.15	3733292.87	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.04E-08
7118	499161.53	3733361.04	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.32E-08
7119	499161.44	3733370.78	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
7120	499161.35	3733380.52	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.87E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.40E-08
7121	499161.26	3733390.25	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
7122	499161.17	3733399.99	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.48E-08
7123	499161.08	3733409.73	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.52E-08
7124	499160.99	3733419.47	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
7125	499160.9	3733429.21	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
7126	499160.81	3733438.95	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.64E-08
7127	499160.72	3733448.68	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.68E-08
7128	499160.54	3733468.16	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.28E-08	4.48E-08	0.00E+00	0.00E+00	6.76E-08
7129	499159.92	3733536.33	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.04E-08
7130	499122.24	3733282.77	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.67E-08	0.00E+00	0.00E+00	5.54E-08
7131	499122.15	3733292.51	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.12E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.57E-08
7132	499121.53	3733360.67	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
7133	499121.44	3733370.41	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
7134	499121.35	3733380.15	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.89E-08
7135	499121.26	3733389.89	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
7136	499121.17	3733399.63	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
7137	499121.08	3733409.36	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.97E-08	0.00E+00	0.00E+00	5.99E-08
7138	499120.99	3733419.1	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
7139	499120.9	3733428.84	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
7140	499120.81	3733438.58	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.05E-08	4.05E-08	0.00E+00	0.00E+00	6.10E-08
7141	499120.72	3733448.32	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	2.07E-08	4.07E-08	0.00E+00	0.00E+00	6.13E-08
7142	499120.63	3733458.05	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
7143	499120.01	3733526.22	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
7144	499119.92	3733535.96	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
7145	499082.24	3733282.4	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
7146	499082.15	3733292.14	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08

7147	499082.06	3733301.88	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
7148	499081.62	3733350.57	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
7149	499081.44	3733370.05	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
7150	499081.35	3733379.78	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
7151	499081.26	3733389.52	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
7152	499081.17	3733399.26	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
7153	499081.08	3733409	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.54E-08
7154	499080.99	3733418.74	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.57E-08
7155	499080.9	3733428.47	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.60E-08
7156	499080.82	3733438.21	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.73E-08	0.00E+00	0.00E+00	5.63E-08
7157	499080.73	3733447.95	1.27E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.75E-08	0.00E+00	0.00E+00	5.66E-08
7158	499080.64	3733457.69	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.77E-08	0.00E+00	0.00E+00	5.69E-08
7159	499080.01	3733525.86	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
7160	499079.92	3733535.59	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
7161	499042.24	3733282.04	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
7162	499042.16	3733291.77	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
7163	499042.07	3733301.51	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.83E-08
7164	499041.44	3733369.68	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.02E-08
7165	499041.35	3733379.42	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
7166	499041.26	3733389.16	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
7167	499041.17	3733398.89	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.10E-08
7168	499041.08	3733408.63	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.13E-08
7169	499041	3733418.37	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.16E-08
7170	499040.91	3733428.11	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
7171	499040.82	3733437.85	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.21E-08
7172	499040.73	3733447.58	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.76E-08	3.48E-08	0.00E+00	0.00E+00	5.24E-08
7173	499040.64	3733457.32	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.27E-08
7174	499040.01	3733525.49	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
7175	499039.92	3733535.23	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
7176	499002.25	3733281.67	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
7177	499002.16	3733291.41	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
7178	499002.07	3733301.15	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
7179	499001.44	3733369.31	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.10E-08	0.00E+00	0.00E+00	4.68E-08
7180	499001.35	3733379.05	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
7181	499001.26	3733388.79	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
7182	499001.18	3733398.53	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
7183	499001.09	3733408.27	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
7184	499001	3733418	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
7185	499000.91	3733427.74	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
7186	499000.82	3733437.48	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
7187	499000.73	3733447.22	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
7188	499000.64	3733456.96	1.1E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
7189	498999.93	3733534.86	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.71E-08	3.38E-08	0.00E+00	0.00E+00	5.09E-08
7190	498962.25	3733281.3	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
7191	498962.16	3733291.04	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.41E-08	2.79E-08	0.00E+00	0.00E+00	4.20E-08
7192	498962.07	3733300.78	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
7193	498961.44	3733368.95	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
7194	498961.36	3733378.68	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
7195	498961.27	3733388.42	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
7196	498961.18	3733398.16	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
7197	498961.09	3733407.9	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
7198	498961	3733417.64	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
7199	498960.91	3733427.37	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.50E-08
7200	498960.82	3733437.11	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
7201	498960.11	3733515.02	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
7202	498960.02	3733524.76	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
7203	498959.93	3733534.49	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.60E-08	3.14E-08	0.00E+00	0.00E+00	4.74E-08
7204	498926.53	3733280.98	8.83E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.95E-08
7205	498926.45	3733290.71	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.63E-08	0.00E+00	0.00E+00	3.97E-08
7206	498925.82	3733358.88	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.11E-08
7207	498925.64	3733378.36	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.75E-08	0.00E+00	0.00E+00	4.15E-08
7208	498925.55	3733388.1	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.17E-08
7209	498925.46	3733397.83	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
7210	498925.37	3733407.57	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.21E-08
7211	498925.29	3733417.31	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.23E-08
7212	498925.2	3733427.05	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
7213	498925.11	3733436.79	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.26E-08
7214	498924.39	3733514.69	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
7215	498924.3	3733524.43	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.44E-08
7216	498924.21	3733534.17	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
7217	498890.82	3733280.65	8.37E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
7218	498890.73	3733290.39	8.41E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.27E-08	2.49E-08	0.00E+00	0.00E+00	3.76E-08
7219	498890.11	3733358.55	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
7220	498889.93	3733378.03	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
7221	498889.84	3733387.77	8.81E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.61E-08	0.00E+00	0.00E+00	3.94E-08
7222	498889.75	3733397.51	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.63E-08	0.00E+00	0.00E+00	3.96E-08
7223	498889.66	3733407.24	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
7224	498889.57	3733416.98	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.65E-08	0.00E+00	0.00E+00	3.99E-08
7225	498889.48	3733426.72	8.97E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
7226	498889.39	3733436.46	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.03E-08
7227	498888.68	3733514.36	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
7228	498888.59	3733524.1	9.37E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
7229	498888.5	3733533.84	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.21E-08
7230	498855.11	3733280.32	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.55E-08
7231	498855.02	3733290.06	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
7232	498854.4	3733358.23	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
7233	498854.22	3733377.7	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.25E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.72E-08
7234	498854.13	3733387.44	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.73E-08
7235	498854.04	3733397.18	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
7236	498853.95	3733406.92	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.77E-08
7237	498853.86	3733416.65	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
7238	498853.77	3733426.39	8.49E-08	1.45E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-08	1.45E-07	0.00E+00	0.00E+00	2.29E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.80E-08
7239	498853.68	3733436.13	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.53E-08	0.00E+00	0.00E+00	3.81E-08
7240	498852.97	3733514.04	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.94E-08
7241	498852.88	3733523.77	8.86E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.63E-08	0.00E+00	0.00E+00	3.96E-08
7242	498852.79	3733533.51	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
7243	498819.4	3733279.99	7.55E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.38E-08
7244	498819.31	3733289.73	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
7245	498818.68	3733357.9	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
7246	498818.5	3733377.38	7.89E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
7247	498818.42	3733387.11	7.92E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.54E-08
7248	498818.33	3733396.85	7.96E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
7249	498818.24	3733406.59	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
7250	498818.15	3733416.33	8.02E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.59E-08
7251	498818.06	3733426.07	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
7252	498817.97	3733435.8	8.09E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
7253	498817.26	3733513.71	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
7254	498817.17	3733523.45	8.39E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
7255	498817.08	3733533.18	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.77E-08
7256	498783.68	3733279.67	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.22E-08
7257	498783.59	3733289.41	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
7258	498783.42	3733308.88	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
7259	498782.97	3733357.57	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
7260	498782.79	3733377.05	7.5E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.36E-08
7261	498782.7	3733386.79	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.37E-08
7262	498782.61	3733396.52	7.56E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.38E-08
7263	498782.52	3733406.26	7.6E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.40E-08
7264	498782.43	3733416	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
7265	498782.35	3733425.74	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
7266	498782.26	3733435.48	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
7267	498781.54	3733513.38	7.93E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.55E-08
7268	498781.45	3733523.12	7.96E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
7269	498781.36	3733532.86	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
7270	498747.97	3733279.34	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.07E-08
7271	498747.88	3733289.08	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
7272	498747.7	3733308.55	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.11E-08
7273	498747.26	3733357.24	7.09E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.17E-08
7274	498747.08	3733376.72	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.08E-08	2.12E-08	0.00E+00	0.00E+00	3.20E-08
7275	498746.99	3733386.46	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
7276	498746.9	3733396.2	7.2E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.08E-08	2.14E-08	0.00E+00	0.00E+00	3.22E-08

7277	498746.81	3733405.94	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
7278	498746.72	3733415.67	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
7279	498746.63	3733425.41	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
7280	498746.54	3733435.15	7.31E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
7281	498745.92	3733503.32	7.51E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.36E-08
7282	498745.83	3733513.05	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.13E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
7283	498745.74	3733522.79	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.38E-08
7284	498745.65	3733532.53	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.40E-08
7285	498712.26	3733279.01	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.86E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
7286	498712.17	3733288.75	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.90E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
7287	498711.99	3733308.23	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.98E-09	1.97E-08	0.00E+00	0.00E+00	2.96E-08
7288	498711.54	3733356.92	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.02E-08
7289	498711.37	3733376.39	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
7290	498711.28	3733386.13	6.84E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
7291	498711.19	3733395.87	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
7292	498711.1	3733405.61	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
7293	498711.01	3733415.35	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
7294	498710.92	3733425.08	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.11E-08
7295	498710.83	3733434.82	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
7296	498710.74	3733444.56	7E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.08E-08	0.00E+00	0.00E+00	3.13E-08
7297	498710.65	3733454.3	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
7298	498710.56	3733464.04	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.15E-08
7299	498710.47	3733473.77	7.08E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
7300	498710.38	3733483.51	7.1E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
7301	498710.3	3733493.25	7.13E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.19E-08
7302	498710.21	3733502.99	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.08E-08	2.12E-08	0.00E+00	0.00E+00	3.20E-08
7303	498710.12	3733512.73	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
7304	498710.03	3733522.46	7.2E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.08E-08	2.14E-08	0.00E+00	0.00E+00	3.22E-08
7305	498709.94	3733532.2	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
7306	499850.38	3733768.95	1.46E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	2.19E-07	4.32E-07	0.00E+00	0.00E+00	6.51E-07
7307	499841.32	3733765.15	1.44E-06	2.46E-06	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.46E-06	0.00E+00	0.00E+00	3.90E-06	2.17E-07	4.28E-07	0.00E+00	0.00E+00	6.45E-07
7308	499832.25	3733761.36	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	2.15E-07	4.23E-07	0.00E+00	0.00E+00	6.38E-07
7309	499859.44	3733772.74	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.96E-06	2.21E-07	4.35E-07	0.00E+00	0.00E+00	6.55E-07
7310	499869.26	3733772.76	1.49E-06	2.54E-06	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	2.54E-06	0.00E+00	0.00E+00	4.04E-06	2.25E-07	4.43E-07	0.00E+00	0.00E+00	6.68E-07
7311	499879.08	3733772.78	1.52E-06	2.59E-06	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	2.59E-06	0.00E+00	0.00E+00	4.10E-06	2.29E-07	4.51E-07	0.00E+00	0.00E+00	6.79E-07
7312	499888.91	3733772.8	1.54E-06	2.63E-06	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	2.63E-06	0.00E+00	0.00E+00	4.17E-06	2.32E-07	4.58E-07	0.00E+00	0.00E+00	6.90E-07
7313	499898.73	3733772.82	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.66E-06	0.00E+00	0.00E+00	4.23E-06	2.35E-07	4.64E-07	0.00E+00	0.00E+00	6.99E-07
7314	499908.56	3733772.84	1.58E-06	2.70E-06	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-06	2.70E-06	0.00E+00	0.00E+00	4.28E-06	2.38E-07	4.70E-07	0.00E+00	0.00E+00	7.08E-07
7315	499918.38	3733772.86	1.6E-06	2.72E-06	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-06	2.72E-06	0.00E+00	0.00E+00	4.32E-06	2.41E-07	4.75E-07	0.00E+00	0.00E+00	7.15E-07
7316	499928.21	3733772.88	1.61E-06	2.75E-06	0.00E+00	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	2.75E-06	0.00E+00	0.00E+00	4.36E-06	2.43E-07	4.79E-07	0.00E+00	0.00E+00	7.22E-07
7317	499938.03	3733772.89	1.63E-06	2.77E-06	0.00E+00	0.00E+00	4.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	2.77E-06	0.00E+00	0.00E+00	4.39E-06	2.45E-07	4.82E-07	0.00E+00	0.00E+00	7.27E-07
7318	499947.86	3733772.91	1.63E-06	2.78E-06	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	2.78E-06	0.00E+00	0.00E+00	4.42E-06	2.46E-07	4.85E-07	0.00E+00	0.00E+00	7.31E-07
7319	499957.68	3733772.93	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	2.47E-07	4.87E-07	0.00E+00	0.00E+00	7.34E-07
7320	499967.5	3733772.95	1.64E-06	2.80E-06	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.80E-06	0.00E+00	0.00E+00	4.44E-06	2.48E-07	4.88E-07	0.00E+00	0.00E+00	7.35E-07
7321	499977.33	3733772.97	1.64E-06	2.80E-06	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.80E-06	0.00E+00	0.00E+00	4.44E-06	2.48E-07	4.88E-07	0.00E+00	0.00E+00	7.35E-07
7322	499987.15	3733772.99	1.64E-06	2.80E-06	0.00E+00	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.80E-06	0.00E+00	0.00E+00	4.44E-06	2.47E-07	4.87E-07	0.00E+00	0.00E+00	7.34E-07
7323	499996.98	3733773.01	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.42E-06	2.46E-07	4.86E-07	0.00E+00	0.00E+00	7.32E-07
7324	500006.8	3733773.03	1.63E-06	2.77E-06	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	2.77E-06	0.00E+00	0.00E+00	4.40E-06	2.45E-07	4.83E-07	0.00E+00	0.00E+00	7.28E-07
7325	500016.63	3733773.05	1.62E-06	2.76E-06	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	2.76E-06	0.00E+00	0.00E+00	4.37E-06	2.44E-07	4.80E-07	0.00E+00	0.00E+00	7.24E-07
7326	500026.45	3733773.07	1.61E-06	2.73E-06	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	2.73E-06	0.00E+00	0.00E+00	4.34E-06	2.42E-07	4.76E-07	0.00E+00	0.00E+00	7.18E-07
7327	500036.27	3733773.09	1.59E-06	2.71E-06	0.00E+00	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	2.71E-06	0.00E+00	0.00E+00	4.30E-06	2.39E-07	4.71E-07	0.00E+00	0.00E+00	7.11E-07
7328	500046.1	3733773.11	1.57E-06	2.67E-06	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-06	2.67E-06	0.00E+00	0.00E+00	4.25E-06	2.37E-07	4.66E-07	0.00E+00	0.00E+00	7.02E-07
7329	500055.92	3733773.13	1.55E-06	2.64E-06	0.00E+00	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	2.64E-06	0.00E+00	0.00E+00	4.19E-06	2.33E-07	4.60E-07	0.00E+00	0.00E+00	6.93E-07
7330	500065.75	3733773.15	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.60E-06	0.00E+00	0.00E+00	4.13E-06	2.30E-07	4.53E-07	0.00E+00	0.00E+00	6.83E-07
7331	500075.57	3733773.17	1.5E-06	2.56E-06	0.00E+00	0.00E+00	4.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	2.56E-06	0.00E+00	0.00E+00	4.06E-06	2.26E-07	4.45E-07	0.00E+00	0.00E+00	6.72E-07
7332	500085.4	3733773.19	1.47E-06	2.51E-06	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.51E-06	0.00E+00	0.00E+00	3.98E-06	2.22E-07	4.37E-07	0.00E+00	0.00E+00	6.59E-07
7333	500095.22	3733773.21	1.45E-06	2.46E-06	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.46E-06	0.00E+00	0.00E+00	3.91E-06	2.18E-07	4.29E-07	0.00E+00	0.00E+00	6.46E-07
7334	500105.05	3733773.22	1.41E-06	2.41E-06	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	2.41E-06	0.00E+00	0.00E+00	3.82E-06	2.13E-07	4.19E-07	0.00E+00	0.00E+00	6.32E-07
7335	500114.87	3733773.24	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	2.08E-07	4.10E-07	0.00E+00	0.00E+00	6.18E-07
7336	500124.69	3733773.26	1.35E-06	2.29E-06	0.00E+00	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	2.29E-06	0.00E+00	0.00E+00	3.64E-06	2.03E-07	4.00E-07	0.00E+00	0.00E+00	6.03E-07
7337	500134.52	3733773.28	1.31E-06	2.23E-06	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.23E-06	0.00E+00	0.00E+00	3.55E-06	1.98E-07	3.89E-07	0.00E+00	0.00E+00	5.87E-07
7338	500144.34	3733773.3	1.28E-06	2.17E-06	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.17E-06	0.00E+00	0.00E+00	3.45E-06	1.92E-07	3.79E-07	0.00E+00	0.00E+00	5.71E-07
7339	500154.17	3733773.32	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.54E-07
7340	500163.99	3733773.34	1.2E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	1.81E-07	3.57E-07	0.00E+00	0.00E+00	5.38E-07
7341	500173.82	3733773.36	1.17E-06	1.98E-06	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.98E-06	0.00E+00	0.00E+00	3.15E-06	1.75E-07	3.46E-07	0.00E+00	0.00E+00	5.21E-07
7342	500183.64	3733773.38	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	1.70E-07	3.35E-07	0.00E+00	0.00E+00	5.04E-07
7343	499850.6	3733799.06	1.33E-06	2.27E-06	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.27E-06	0.00E+00	0.00E+00	3.60E-06	2.00E-07	3.95E-07	0.00E+00	0.00E+00	5.95E-07
7344	499841.82	3733795.39	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.58E-06	1.99E-07	3.92E-07	0.00E+00	0.00E+00	5.92E-07
7345	499833.04	3733791.71	1.31E-06	2.23E-06	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.23E-06	0.00E+00	0.00E+00	3.55E-06	1.98E-07	3.89E-07	0.00E+00	0.00E+00	5.87E-07
7346	499824.26	3733788.04	1.3E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	1.96E-07	3.86E-07	0.00E+00	0.00E+00	5.81E-07
7347	499815.48	3733784.36	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.47E-06	1.94E-07	3.81E-07	0.00E+00	0.00E+00	5.75E-07
7348	499806.7	3733780.69	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	1.91E-07	3.76E-07	0.00E+00	0.00E+00	5.67E-07
7349	499797.92	3733777.01	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	1.88E-07	3.71E-07	0.00E+00	0.00E+00	5.59E-07
7350	499789.15	3733773.34	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	1.85E-07	3.65E-07	0.00E+00	0.00E+00	5.50E-07
7351	499780.37	3733769.66	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.59E-07	0.00E+00	0.00E+00	5.41E-07
7352	499771.59	3733765.99	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	1.79E-07	3.52E-07	0.00E+00	0.00E+00	5.31E-07
7353	499762.81	3733762.31	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.14E-06	1.75E-07	3.45E-07	0.00E+00	0.00E+00	5.20E-07
7354	499754.03	3733758.64	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.08E-06	1.71E-07	3.38E-07	0.00E+00	0.00E+00	5.09E-07
7355	499745.25	3733754.96	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.01E-06	1.67E-07	3.30E-07	0.00E+00	0.00E+00	4.97E-07
7356	499635.67	3733628.55	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.54E-07
7357	499632.1	3733619.73	7.8E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.49E-07
7358	499628.52	3733610.91	7.68E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.43E-07
7359	499624.94	3733602.09	7.55E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
7360	499621.36	3733593.27	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
7361	499859.38	3733802.74	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.62E-06	2.01E-07	3.97E-07	0.00E+00	0.00E+00	5.98E-07
7362	499869.2	3733802.76	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	2.05E-07	4.03E-07	0.00E+00	0.00E+00	6.08E-07
7363	499879.03	3733802.78	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	2.08E-07	4.09E-07	0.00E+00	0.00E+00	6.17E-07
7364	499888.85	3733802.8	1.4E-06	2.38E-06	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.38E-06	0.00E+00	0.00E+00	3.78E-06	2.10E-07	4.15E-07	0.00E+00	0.00E+00	6.25E-07
7365	499898.67	3733802.82	1.41E-06	2.41E-06	0.00E+00	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	2.41E-06	0.00E+00	0.00E+00	3.82E-06	2.13E-07	4.19E-07	0.00E+00	0.00E+00	6.32E-07
7366	499908.5	3733802.84	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.86E-06	2.15E-07	4.24E-07	0.00E+00	0.00E+00	6.39E-07
7367	499918.32	3733802.86	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.90E-06	2.17E-07	4.28E-07	0.00E+00	0.00E+00	6.45E-07
7368	499928.15	3733802.88	1.45E-06	2.47E-06	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.47E-06	0.00E+00	0.00E+00	3.92E-06	2.19E-07	4.31E-07	0.00E+00	0.00E+00	6.49E-07
7369	499937.97	3733802.89	1.46E-06	2.49E-06	0.00E+00	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-06	2.49E-06	0.00E+00	0.00E+00	3.95E-06	2.20E-07	4.33E-07	0.00E+00	0.00E+00	6.53E-07
7370	499947.8	3733802.91	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.96E-06	2.21E-07	4.35E-07	0.00E+00	0.00E+00	6.56E-07
7371	499957.62	3733802.93	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.97E-06	2.21E-07	4.36E-07	0.00E+00	0.00E+00	6.57E-07
7372	499967.44	3733802.95	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.98E-06	2.22E-07	4.36E-07	0.00E+00	0.00E+00	6.58E-07
7373	499977.27	3733802.97	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.97E-06	2.21E-07	4.36E-07	0.00E+00	0.00E+00	6.58E-07
7374	499987.09	3733802.99	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-06	2.50E-06	0.00E+00	0.00E+00	3.97E-06	2.21E-07	4.35E-07	0.00E+00	0.00E+00	6.56E-07
7375	499996.92	3733803.01	1.46E-06	2.49E-06	0.00E+00	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-06	2.49E-06	0.00E+00	0.00E+00	3.95E-06	2.20E-07	4.34E-07	0.00E+00	0.00E+00	6.54E-07
7376	500006.74	3733803.03	1.45E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.48E-06	0.00E+00	0.00E+00	3.93E-06	2.19E-07	4.31E-07	0.00E+00	0.00E+00	6.51E-07
7377	500016.57	3733803.05	1.45E-06	2.46E-06	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	2.46E-06	0.00E+00	0.00E+00	3.90E-06	2.18E-07	4.29E-07	0.00E+00	0.00E+00	6.46E-07
7378	500026.39	3733803.07	1.43E-06	2.44E-06	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.44E-06	0.00E+00	0.00E+00	3.87E-06	2.16E-07	4.25E-07	0.00E+00	0.00E+00	6.41E-07
7379	500036.22	3733803.09	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.42E-06	0.00E+00	0.00E+00	3.83E-06	2.14E-07	4.21E-07	0.00E+00	0.00E+00	6.35E-07
7380	500046.04	3733803.11	1.4E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	2.11E-07	4.16E-07	0.00E+00	0.00E+00	6.27E-07
7381	500055.86	3733803.13	1.39E-06	2.36E-06	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-06	2.36E-06	0.00E+00	0.00E+00	3.74E-06	2.09E-07	4.11E-07	0.00E+00	0.00E+00	6.19E-07
7382	500065.69	3733803.15	1.37E-06	2.32E-06	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	2.32E-06	0.00E+00	0.00E+00	3.69E-06	2.06E-07	4.05E-07	0.00E+00	0.00E+00	6.11E-07
7383	500075.51	3733803.17	1.34E-06	2.29E-06	0.00E+00	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.29E-06	0.00E+00	0.00E+00	3.63E-06	2.02E-07	3.99E-07	0.00E+00	0.00E+00	6.01E-07
7384	500085.34	3733803.19	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	1.99E-07	3.92E-07	0.00E+00	0.00E+00	5.91E-07
7385	500095.16	3733803.21	1.3E-06	2.21E-06	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.50E-06	1.95E-07	3.84E-07	0.00E+00	0.00E+00	5.80E-07
7386	500104.99	3733803.22	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.16E-06	0.00E+00	0.00E+00	3.43E-06	1.91E-07	3.77E-07	0.00E+00	0.00E+00	5.68E-07
7387	500114.81	3733803.24	1.24E-06	2.12E-06	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.12E-06	0.00E+00	0.00E+00	3.36E-06	1.87E-07	3.69E-07	0.00E+00	0.00E+00	5.56E-07
7388	500124.64	3733803.26	1.21E-06	2.07E-06	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.07E-06	0.00E+00	0.00E+00	3.28E-06	1.83E-07	3.60E-07	0.00E+00	0.00E+00	5.43E-07
7389	500134.46	3733803.28	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	1.79E-07	3.52E-07	0.00E+00	0.00E+00	5.30E-07
7390	500144.28	3733803.3	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.12E-06	1.74E-07	3.43E-07	0.00E+00	0.00E+00	5.17E-07
7391	500154.11	3733803.32	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	1.69E-07	3.34E-07	0.00E+00	0.00E+00	5.03E-07
7392	500163.93	3733803.34	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.89E-07
7393	500173.76	3733803.36	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.87E-06	1.60E-07	3.15E-07	0.00E+00	0.00E+00	4.76E-07
7394	500183.58	3733803.38	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.62E-07
7395	499850.38	3733829	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	1.84E-07	3.63E-07	0.00E+00	0.00E+00	5.47E-07
7396	499841.44	3733825.25	1.22E-06	2.07E-06	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.07E-06	0.00E+00	0.00E+00	3.29E-06	1.83E-07	3.61E-07	0.00E+00	0.00E+00	5.44E-07
7397	499832.5	3733821.51	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.59E-07	0.00E+00	0.00E+00	5.41E-07
7398	499823.56	3733817.77	1.2E-06	2.04E-06	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.24E-06	1.81E-07	3.56E-07	0.00E+00	0.00E+00	5.37E-07
7399	499814.62	3733814.03	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	1.79E-07	3.53E-07	0.00E+00	0.00E+00	5.32E-07
7400	499805.68	3733810.28	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	1.77E-07	3.49E-07	0.00E+00	0.00E+00	5.26E-07
7401	499796.73	3733806.54	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.14E-06	1.75E-07	3.45E-07	0.00E+00	0.00E+00	5.20E-07
7402	499787.79	3733802.8	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	1.73E-07	3.40E-07	0.00E+00	0.00E+00	5.12E-07
7403	499778.85	3733799.05	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	1.70E-07	3.35E-07	0.00E+00	0.00E+00	5.05E-07
7404	499769.91	3733795.31	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.00E-06	1.67E-07	3.29E-07	0.00E+00	0.00E+00	4.96E-07
7405	499760.97	3733791.57	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	1.64E-07	3.23E-07	0.00E+00	0.00E+00	4.88E-07
7406	499752.03	3733787.83	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.82E-06	0.00E+00	0.00E+00	2.89E-06	1.61E-07	3.17E-07	0.00E+00	0.00E+00	4.78E-07

7407	499743.09	3733784.08	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.58E-07	3.11E-07	0.00E+00	0.00E+00	4.69E-07
7408	499734.15	3733780.34	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.77E-06	1.54E-07	3.04E-07	0.00E+00	0.00E+00	4.59E-07
7409	499725.21	3733776.6	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.48E-07
7410	499716.27	3733772.86	9.78E-07	1.67E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-07	1.67E-06	0.00E+00	0.00E+00	2.64E-06	1.47E-07	2.90E-07	0.00E+00	0.00E+00	4.37E-07
7411	499707.33	3733769.11	9.54E-07	1.62E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-07	1.62E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.83E-07	0.00E+00	0.00E+00	4.27E-07
7412	499698.39	3733765.37	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
7413	499689.45	3733761.63	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.68E-07	0.00E+00	0.00E+00	4.04E-07
7414	499680.51	3733757.88	8.8E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.32E-07	2.61E-07	0.00E+00	0.00E+00	3.93E-07
7415	499635.48	3733701.75	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.46E-07
7416	499631.83	3733692.77	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.42E-07
7417	499628.19	3733683.79	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
7418	499624.55	3733674.8	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.22E-07	0.00E+00	0.00E+00	3.34E-07
7419	499620.9	3733665.82	7.37E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7420	499617.26	3733656.84	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
7421	499613.62	3733647.86	7.17E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.21E-07
7422	499609.97	3733638.88	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	1.06E-07	2.10E-07	0.00E+00	0.00E+00	3.16E-07
7423	499606.33	3733629.9	6.96E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	1.05E-07	2.06E-07	0.00E+00	0.00E+00	3.11E-07
7424	499602.69	3733620.92	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
7425	499580.83	3733567.03	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.25E-08	1.82E-07	0.00E+00	0.00E+00	2.75E-07
7426	499577.19	3733558.05	6.02E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.07E-08	1.79E-07	0.00E+00	0.00E+00	2.69E-07
7427	499573.55	3733549.06	5.9E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.89E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
7428	499859.32	3733832.74	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.32E-06	1.85E-07	3.64E-07	0.00E+00	0.00E+00	5.49E-07
7429	499869.14	3733832.76	1.24E-06	2.12E-06	0.00E+00	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.12E-06	0.00E+00	0.00E+00	3.36E-06	1.87E-07	3.69E-07	0.00E+00	0.00E+00	5.56E-07
7430	499878.97	3733832.78	1.26E-06	2.14E-06	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	2.14E-06	0.00E+00	0.00E+00	3.40E-06	1.90E-07	3.74E-07	0.00E+00	0.00E+00	5.63E-07
7431	499888.79	3733832.8	1.27E-06	2.17E-06	0.00E+00	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	2.17E-06	0.00E+00	0.00E+00	3.44E-06	1.92E-07	3.78E-07	0.00E+00	0.00E+00	5.70E-07
7432	499898.61	3733832.82	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	1.94E-07	3.82E-07	0.00E+00	0.00E+00	5.75E-07
7433	499908.44	3733832.84	1.3E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	1.95E-07	3.85E-07	0.00E+00	0.00E+00	5.80E-07
7434	499918.26	3733832.86	1.31E-06	2.22E-06	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.22E-06	0.00E+00	0.00E+00	3.53E-06	1.97E-07	3.88E-07	0.00E+00	0.00E+00	5.84E-07
7435	499928.09	3733832.88	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	1.98E-07	3.90E-07	0.00E+00	0.00E+00	5.88E-07
7436	499937.91	3733832.89	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	1.99E-07	3.92E-07	0.00E+00	0.00E+00	5.90E-07
7437	499947.74	3733832.91	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.58E-06	1.99E-07	3.93E-07	0.00E+00	0.00E+00	5.92E-07
7438	499957.56	3733832.93	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	2.00E-07	3.93E-07	0.00E+00	0.00E+00	5.93E-07
7439	499967.39	3733832.95	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	2.00E-07	3.93E-07	0.00E+00	0.00E+00	5.93E-07
7440	499977.21	3733832.97	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	2.26E-06	0.00E+00	0.00E+00	3.58E-06	1.99E-07	3.93E-07	0.00E+00	0.00E+00	5.92E-07
7441	499987.03	3733832.99	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	1.99E-07	3.92E-07	0.00E+00	0.00E+00	5.91E-07
7442	499996.86	3733833.01	1.32E-06	2.24E-06	0.00E+00	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.24E-06	0.00E+00	0.00E+00	3.56E-06	1.98E-07	3.90E-07	0.00E+00	0.00E+00	5.89E-07
7443	500006.68	3733833.03	1.31E-06	2.23E-06	0.00E+00	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.23E-06	0.00E+00	0.00E+00	3.54E-06	1.97E-07	3.88E-07	0.00E+00	0.00E+00	5.85E-07
7444	500016.51	3733833.05	1.3E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	1.96E-07	3.86E-07	0.00E+00	0.00E+00	5.81E-07
7445	500026.33	3733833.07	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.19E-06	0.00E+00	0.00E+00	3.48E-06	1.94E-07	3.82E-07	0.00E+00	0.00E+00	5.77E-07
7446	500036.16	3733833.09	1.28E-06	2.17E-06	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.17E-06	0.00E+00	0.00E+00	3.45E-06	1.92E-07	3.79E-07	0.00E+00	0.00E+00	5.71E-07
7447	500045.98	3733833.11	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	2.15E-06	0.00E+00	0.00E+00	3.41E-06	1.90E-07	3.75E-07	0.00E+00	0.00E+00	5.65E-07
7448	500055.81	3733833.13	1.25E-06	2.12E-06	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.12E-06	0.00E+00	0.00E+00	3.37E-06	1.88E-07	3.70E-07	0.00E+00	0.00E+00	5.58E-07
7449	500065.63	3733833.15	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.33E-06	1.85E-07	3.65E-07	0.00E+00	0.00E+00	5.50E-07
7450	500075.45	3733833.17	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.59E-07	0.00E+00	0.00E+00	5.42E-07
7451	500085.28	3733833.19	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	1.80E-07	3.54E-07	0.00E+00	0.00E+00	5.33E-07
7452	500095.1	3733833.21	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.17E-06	1.76E-07	3.47E-07	0.00E+00	0.00E+00	5.24E-07
7453	500104.93	3733833.22	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	1.73E-07	3.41E-07	0.00E+00	0.00E+00	5.14E-07
7454	500114.75	3733833.24	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.04E-06	1.70E-07	3.34E-07	0.00E+00	0.00E+00	5.04E-07
7455	500124.58	3733833.26	1.1E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	1.66E-07	3.27E-07	0.00E+00	0.00E+00	4.93E-07
7456	500134.4	3733833.28	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.91E-06	1.62E-07	3.20E-07	0.00E+00	0.00E+00	4.82E-07
7457	500144.22	3733833.3	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	1.59E-07	3.12E-07	0.00E+00	0.00E+00	4.71E-07
7458	500154.05	3733833.32	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	1.55E-07	3.05E-07	0.00E+00	0.00E+00	4.60E-07
7459	500163.87	3733833.34	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.48E-07
7460	500173.7	3733833.36	9.76E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	1.47E-07	2.89E-07	0.00E+00	0.00E+00	4.36E-07
7461	500183.52	3733833.38	9.5E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	1.43E-07	2.82E-07	0.00E+00	0.00E+00	4.25E-07
7462	499850.53	3733859.09	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	1.70E-07	3.34E-07	0.00E+00	0.00E+00	5.04E-07
7463	499841.8	3733855.43	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.04E-06	1.69E-07	3.33E-07	0.00E+00	0.00E+00	5.03E-07
7464	499833.08	3733851.78	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.02E-06	1.68E-07	3.32E-07	0.00E+00	0.00E+00	5.00E-07
7465	499824.35	3733848.13	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.89E-06	0.00E+00	0.00E+00	3.01E-06	1.67E-07	3.30E-07	0.00E+00	0.00E+00	4.97E-07
7466	499815.62	3733844.47	1.1E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	1.66E-07	3.28E-07	0.00E+00	0.00E+00	4.94E-07
7467	499806.9	3733840.82	1.1E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.90E-07
7468	499798.17	3733837.17	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.93E-06	1.63E-07	3.22E-07	0.00E+00	0.00E+00	4.85E-07
7469	499789.44	3733833.51	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	1.62E-07	3.18E-07	0.00E+00	0.00E+00	4.80E-07
7470	499780.72	3733829.86	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.87E-06	1.60E-07	3.15E-07	0.00E+00	0.00E+00	4.74E-07
7471	499771.99	3733826.21	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.58E-07	3.10E-07	0.00E+00	0.00E+00	4.68E-07
7472	499763.26	3733822.55	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.61E-07
7473	499754.54	3733818.9	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	1.53E-07	3.01E-07	0.00E+00	0.00E+00	4.54E-07
7474	499745.81	3733815.24	9.98E-07	1.70E-06	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-07	1.70E-06	0.00E+00	0.00E+00	2.70E-06	1.50E-07	2.96E-07	0.00E+00	0.00E+00	4.46E-07
7475	499737.08	3733811.59	9.8E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.48E-07	2.91E-07	0.00E+00	0.00E+00	4.38E-07
7476	499728.35	3733807.94	9.61E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	1.45E-07	2.85E-07	0.00E+00	0.00E+00	4.30E-07
7477	499719.63	3733804.28	9.42E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.21E-07
7478	499710.9	3733800.63	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.12E-07
7479	499702.17	3733796.98	9.02E-07	1.53E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-07	1.53E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.67E-07	0.00E+00	0.00E+00	4.03E-07
7480	499693.45	3733793.32	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.61E-07	0.00E+00	0.00E+00	3.94E-07
7481	499684.72	3733789.67	8.6E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
7482	499675.99	3733786.02	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
7483	499667.27	3733782.36	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	1.23E-07	2.43E-07	0.00E+00	0.00E+00	3.66E-07
7484	499658.54	3733778.71	7.96E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
7485	499649.81	3733775.06	7.75E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	1.17E-07	2.30E-07	0.00E+00	0.00E+00	3.47E-07
7486	499641.09	3733771.4	7.54E-07	1.28E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-07	1.28E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.37E-07
7487	499628.8	3733758.98	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.16E-07	0.00E+00	0.00E+00	3.26E-07
7488	499625.25	3733750.22	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.23E-07
7489	499621.69	3733741.45	7.18E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.21E-07
7490	499618.14	3733732.68	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
7491	499614.58	3733723.92	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
7492	499611.02	3733715.15	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
7493	499607.47	3733706.38	6.9E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
7494	499603.91	3733697.61	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
7495	499600.36	3733688.85	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
7496	499596.8	3733680.08	6.66E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.97E-07	0.00E+00	0.00E+00	2.98E-07
7497	499593.24	3733671.31	6.57E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.89E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
7498	499589.69	3733662.55	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.76E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
7499	499586.13	3733653.78	6.39E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.62E-08	1.89E-07	0.00E+00	0.00E+00	2.86E-07
7500	499582.58	3733645.01	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.48E-08	1.87E-07	0.00E+00	0.00E+00	2.81E-07
7501	499575.46	3733627.48	6.1E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.18E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
7502	499557.68	3733583.64	5.59E-07	9.52E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-07	9.52E-07	0.00E+00	0.00E+00	1.51E-06	8.42E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
7503	499554.13	3733574.88	5.49E-07	9.35E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	9.35E-07	0.00E+00	0.00E+00	1.48E-06	8.27E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
7504	499550.57	3733566.11	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	8.11E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
7505	499547.02	3733557.34	5.29E-07	9.00E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-07	9.00E-07	0.00E+00	0.00E+00	1.43E-06	7.96E-08	1.57E-07	0.00E+00	0.00E+00	2.36E-07
7506	499859.26	3733862.74	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.92E-06	0.00E+00	0.00E+00	3.05E-06	1.70E-07	3.35E-07	0.00E+00	0.00E+00	5.05E-07
7507	499869.08	3733862.76	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	1.72E-07	3.39E-07	0.00E+00	0.00E+00	5.11E-07
7508	499878.91	3733862.78	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.12E-06	1.74E-07	3.43E-07	0.00E+00	0.00E+00	5.17E-07
7509	499888.73	3733862.8	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.15E-06	1.76E-07	3.46E-07	0.00E+00	0.00E+00	5.22E-07
7510	499898.56	3733862.82	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	1.77E-07	3.49E-07	0.00E+00	0.00E+00	5.26E-07
7511	499908.38	3733862.84	1.18E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	1.78E-07	3.51E-07	0.00E+00	0.00E+00	5.30E-07
7512	499918.2	3733862.86	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	1.79E-07	3.53E-07	0.00E+00	0.00E+00	5.33E-07
7513	499928.03	3733862.88	1.2E-06	2.04E-06	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.23E-06	1.80E-07	3.55E-07	0.00E+00	0.00E+00	5.35E-07
7514	499937.85	3733862.89	1.2E-06	2.04E-06	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.25E-06	1.81E-07	3.56E-07	0.00E+00	0.00E+00	5.37E-07
7515	499947.68	3733862.91	1.2E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	1.81E-07	3.57E-07	0.00E+00	0.00E+00	5.38E-07
7516	499957.5	3733862.93	1.2E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	1.81E-07	3.57E-07	0.00E+00	0.00E+00	5.38E-07
7517	499967.33	3733862.95	1.2E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	1.81E-07	3.57E-07	0.00E+00	0.00E+00	5.38E-07
7518	499977.15	3733862.97	1.2E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.05E-06	0.00E+00	0.00E+00	3.25E-06	1.81E-07	3.56E-07	0.00E+00	0.00E+00	5.37E-07
7519	499986.98	3733862.99	1.2E-06	2.04E-06	0.00E+00	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	2.04E-06	0.00E+00	0.00E+00	3.24E-06	1.80E-07	3.55E-07	0.00E+00	0.00E+00	5.36E-07
7520	499996.8	3733863.01	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.22E-06	1.80E-07	3.54E-07	0.00E+00	0.00E+00	5.33E-07
7521	500006.62	3733863.03	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	1.79E-07	3.52E-07	0.00E+00	0.00E+00	5.30E-07
7522	500016.45	3733863.05	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	1.77E-07	3.49E-07	0.00E+00	0.00E+00	5.27E-07
7523	500026.27	3733863.07	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.16E-06	1.76E-07	3.46E-07	0.00E+00	0.00E+00	5.22E-07
7524	500036.1	3733863.09	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.13E-06	1.74E-07	3.43E-07	0.00E+00	0.00E+00	5.17E-07
7525	500045.92	3733863.11	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	1.72E-07	3.40E-07	0.00E+00	0.00E+00	5.12E-07
7526	500055.75	3733863.13	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	1.70E-07	3.35E-07	0.00E+00	0.00E+00	5.06E-07
7527	500065.57	3733863.15	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.02E-06	1.68E-07	3.31E-07	0.00E+00	0.00E+00	4.99E-07
7528	500075.39	3733863.17	1.1E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	1.66E-07	3.26E-07	0.00E+00	0.00E+00	4.92E-07
7529	500085.22	3733863.19	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.93E-06	1.63E-07	3.21E-07	0.00E+00	0.00E+00	4.84E-07
7530	500095.04	3733863.21	1.07E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	1.60E-07	3.16E-07	0.00E+00	0.00E+00	4.77E-07
7531	500104.87	3733863.22	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.58E-07	3.11E-07	0.00E+00	0.00E+00	4.68E-07
7532	500114.69	3733863.24	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	1.55E-07	3.05E-07	0.00E+00	0.00E+00	4.60E-07
7533	500124.52	3733863.26	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.72E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.51E-07
7534	500134.34	3733863.28	9.87E-07	1.68E-06	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-07	1.68E-06	0.00E+00	0.00E+00	2.67E-06	1.49E-07	2.93E-07	0.00E+00	0.00E+00	4.41E-07
7535	500144.17	3733863.3	9.65E-07	1.64E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-07	1.64E-06	0.00E+00	0.00E+00	2.61E-06	1.45E-07	2.86E-07	0.00E+00	0.00E+00	4.32E-07
7536	500153.99	3733863.32	9.44E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-07	1.61E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.80E-07	0.00E+00	0.00E+00	4.22E-07

7537	500163.81	3733863.34	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.12E-07
7538	500173.64	3733863.36	9E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
7539	500183.46	3733863.38	8.77E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	1.32E-07	2.60E-07	0.00E+00	0.00E+00	3.92E-07
7540	499850.34	3733889.03	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.66E-07
7541	499841.47	3733885.32	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.65E-07
7542	499832.61	3733881.61	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.80E-06	1.56E-07	3.08E-07	0.00E+00	0.00E+00	4.64E-07
7543	499823.75	3733877.9	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.56E-07	3.06E-07	0.00E+00	0.00E+00	4.62E-07
7544	499814.88	3733874.19	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	1.55E-07	3.05E-07	0.00E+00	0.00E+00	4.59E-07
7545	499806.02	3733870.48	1.02E-06	1.74E-06	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.74E-06	0.00E+00	0.00E+00	2.76E-06	1.54E-07	3.03E-07	0.00E+00	0.00E+00	4.56E-07
7546	499797.16	3733866.77	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	1.52E-07	3.00E-07	0.00E+00	0.00E+00	4.53E-07
7547	499788.29	3733863.06	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.48E-07
7548	499779.43	3733859.34	9.92E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	1.49E-07	2.94E-07	0.00E+00	0.00E+00	4.44E-07
7549	499770.57	3733855.63	9.81E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.48E-07	2.91E-07	0.00E+00	0.00E+00	4.39E-07
7550	499761.7	3733851.92	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.33E-07
7551	499752.84	3733848.21	9.55E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.83E-07	0.00E+00	0.00E+00	4.27E-07
7552	499743.98	3733844.5	9.41E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.21E-07
7553	499735.11	3733840.79	9.26E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.75E-07	0.00E+00	0.00E+00	4.14E-07
7554	499726.25	3733837.08	9.1E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.07E-07
7555	499717.39	3733833.37	8.93E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	1.34E-07	2.65E-07	0.00E+00	0.00E+00	3.99E-07
7556	499708.52	3733829.66	8.76E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	1.32E-07	2.60E-07	0.00E+00	0.00E+00	3.92E-07
7557	499699.66	3733825.95	8.58E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
7558	499690.8	3733822.24	8.4E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
7559	499681.93	3733818.53	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.67E-07
7560	499673.07	3733814.82	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.59E-07
7561	499664.21	3733811.11	7.84E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
7562	499655.34	3733807.4	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.42E-07
7563	499646.48	3733803.69	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.34E-07
7564	499637.62	3733799.98	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
7565	499628.75	3733796.27	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.91E-06	1.07E-07	2.10E-07	0.00E+00	0.00E+00	3.17E-07
7566	499619.89	3733792.56	6.9E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.08E-07
7567	499607.42	3733779.94	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
7568	499603.81	3733771.04	6.62E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.96E-08	1.96E-07	0.00E+00	0.00E+00	2.96E-07
7569	499600.19	3733762.13	6.56E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	9.88E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
7570	499596.58	3733753.23	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.80E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
7571	499592.97	3733744.33	6.45E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	9.71E-08	1.91E-07	0.00E+00	0.00E+00	2.88E-07
7572	499589.36	3733735.42	6.38E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	9.61E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
7573	499585.75	3733726.52	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
7574	499582.14	3733717.61	6.24E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.40E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
7575	499578.52	3733708.71	6.17E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.29E-08	1.83E-07	0.00E+00	0.00E+00	2.76E-07
7576	499574.91	3733699.81	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.17E-08	1.81E-07	0.00E+00	0.00E+00	2.72E-07
7577	499567.69	3733682	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.93E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
7578	499564.08	3733673.09	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	8.81E-08	1.73E-07	0.00E+00	0.00E+00	2.62E-07
7579	499560.47	3733664.19	5.76E-07	9.81E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-07	9.81E-07	0.00E+00	0.00E+00	1.56E-06	8.68E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
7580	499556.85	3733655.29	5.68E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	8.55E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
7581	499535.19	3733601.86	5.14E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	7.73E-08	1.52E-07	0.00E+00	0.00E+00	2.30E-07
7582	499531.57	3733592.96	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.59E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
7583	499527.96	3733584.05	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	7.46E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
7584	499524.35	3733575.15	4.86E-07	8.27E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-07	8.27E-07	0.00E+00	0.00E+00	1.31E-06	7.32E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
7585	499520.74	3733566.25	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
7586	499859.2	3733892.74	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.67E-07
7587	499869.02	3733892.76	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	1.59E-07	3.13E-07	0.00E+00	0.00E+00	4.71E-07
7588	499878.85	3733892.78	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	1.60E-07	3.16E-07	0.00E+00	0.00E+00	4.76E-07
7589	499888.67	3733892.8	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	1.61E-07	3.18E-07	0.00E+00	0.00E+00	4.80E-07
7590	499898.5	3733892.82	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.20E-07	0.00E+00	0.00E+00	4.83E-07
7591	499908.32	3733892.84	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	1.64E-07	3.22E-07	0.00E+00	0.00E+00	4.86E-07
7592	499918.14	3733892.86	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	1.64E-07	3.24E-07	0.00E+00	0.00E+00	4.88E-07
7593	499927.97	3733892.88	1.1E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.90E-07
7594	499937.79	3733892.89	1.1E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	1.65E-07	3.26E-07	0.00E+00	0.00E+00	4.91E-07
7595	499947.62	3733892.91	1.1E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	1.65E-07	3.26E-07	0.00E+00	0.00E+00	4.92E-07
7596	499957.44	3733892.93	1.1E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	1.66E-07	3.26E-07	0.00E+00	0.00E+00	4.92E-07
7597	499967.27	3733892.95	1.1E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.97E-06	1.65E-07	3.26E-07	0.00E+00	0.00E+00	4.91E-07
7598	499977.09	3733892.97	1.1E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.25E-07	0.00E+00	0.00E+00	4.90E-07
7599	499986.92	3733892.99	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	1.64E-07	3.24E-07	0.00E+00	0.00E+00	4.88E-07
7600	499996.74	3733893.01	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	1.64E-07	3.22E-07	0.00E+00	0.00E+00	4.86E-07
7601	500006.56	3733893.03	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.20E-07	0.00E+00	0.00E+00	4.83E-07
7602	500016.39	3733893.05	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	1.62E-07	3.18E-07	0.00E+00	0.00E+00	4.80E-07
7603	500026.21	3733893.07	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	1.60E-07	3.16E-07	0.00E+00	0.00E+00	4.76E-07
7604	500036.04	3733893.09	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	1.59E-07	3.13E-07	0.00E+00	0.00E+00	4.71E-07
7605	500045.86	3733893.11	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.78E-06	0.00E+00	0.00E+00	2.82E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.67E-07
7606	500055.69	3733893.13	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.61E-07
7607	500065.51	3733893.15	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.73E-06	0.00E+00	0.00E+00	2.75E-06	1.53E-07	3.02E-07	0.00E+00	0.00E+00	4.56E-07
7608	500075.34	3733893.17	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.51E-07	2.98E-07	0.00E+00	0.00E+00	4.49E-07
7609	500085.16	3733893.19	9.9E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	1.49E-07	2.94E-07	0.00E+00	0.00E+00	4.43E-07
7610	500094.98	3733893.21	9.75E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	1.47E-07	2.89E-07	0.00E+00	0.00E+00	4.36E-07
7611	500104.81	3733893.22	9.59E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	1.44E-07	2.84E-07	0.00E+00	0.00E+00	4.29E-07
7612	500114.63	3733893.24	9.42E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-07	1.60E-06	0.00E+00	0.00E+00	2.55E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.21E-07
7613	500124.46	3733893.26	9.25E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.74E-07	0.00E+00	0.00E+00	4.14E-07
7614	500134.28	3733893.28	9.07E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	1.37E-07	2.69E-07	0.00E+00	0.00E+00	4.06E-07
7615	500144.11	3733893.3	8.89E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	1.34E-07	2.64E-07	0.00E+00	0.00E+00	3.98E-07
7616	500153.93	3733893.32	8.71E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.89E-07
7617	500163.76	3733893.34	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.81E-07
7618	500173.58	3733893.36	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
7619	500183.4	3733893.38	8.13E-07	1.38E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-07	1.38E-06	0.00E+00	0.00E+00	2.20E-06	1.22E-07	2.41E-07	0.00E+00	0.00E+00	3.64E-07
7620	499850.16	3733918.98	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.33E-07
7621	499841.18	3733915.22	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.32E-07
7622	499832.19	3733911.46	9.65E-07	1.64E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-07	1.64E-06	0.00E+00	0.00E+00	2.61E-06	1.45E-07	2.86E-07	0.00E+00	0.00E+00	4.31E-07
7623	499823.21	3733907.7	9.62E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	1.45E-07	2.85E-07	0.00E+00	0.00E+00	4.30E-07
7624	499814.23	3733903.94	9.57E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	1.44E-07	2.84E-07	0.00E+00	0.00E+00	4.28E-07
7625	499805.25	3733900.18	9.52E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	1.43E-07	2.82E-07	0.00E+00	0.00E+00	4.26E-07
7626	499796.27	3733896.42	9.46E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	1.42E-07	2.81E-07	0.00E+00	0.00E+00	4.23E-07
7627	499787.29	3733892.66	9.39E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.41E-07	2.78E-07	0.00E+00	0.00E+00	4.20E-07
7628	499778.31	3733888.9	9.3E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
7629	499769.33	3733885.14	9.21E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.12E-07
7630	499760.34	3733881.38	9.11E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.07E-07
7631	499751.36	3733877.62	9E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
7632	499742.38	3733873.86	8.88E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	1.34E-07	2.63E-07	0.00E+00	0.00E+00	3.97E-07
7633	499733.4	3733870.1	8.75E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-07	1.49E-06	0.00E+00	0.00E+00	2.36E-06	1.32E-07	2.60E-07	0.00E+00	0.00E+00	3.91E-07
7634	499724.42	3733866.34	8.62E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.85E-07
7635	499715.44	3733862.58	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	1.28E-07	2.51E-07	0.00E+00	0.00E+00	3.79E-07
7636	499706.46	3733858.82	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
7637	499697.47	3733855.06	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	1.23E-07	2.43E-07	0.00E+00	0.00E+00	3.66E-07
7638	499688.49	3733851.3	8.02E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.59E-07
7639	499679.51	3733847.54	7.86E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
7640	499670.53	3733843.78	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
7641	499661.55	3733840.02	7.53E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.23E-07	0.00E+00	0.00E+00	3.37E-07
7642	499652.57	3733836.26	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
7643	499643.59	3733832.5	7.19E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.21E-07
7644	499634.6	3733828.74	7.02E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.08E-07	0.00E+00	0.00E+00	3.14E-07
7645	499625.62	3733824.98	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
7646	499616.64	3733821.22	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.01E-07	1.98E-07	0.00E+00	0.00E+00	2.99E-07
7647	499607.66	3733817.46	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.80E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
7648	499598.68	3733813.7	6.34E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.54E-08	1.88E-07	0.00E+00	0.00E+00	2.83E-07
7649	499586.04	3733800.92	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.23E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
7650	499582.38	3733791.89	6.08E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	9.16E-08	1.80E-07	0.00E+00	0.00E+00	2.72E-07
7651	499578.72	3733782.87	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.08E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
7652	499575.06	3733773.85	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.00E-08	1.77E-07	0.00E+00	0.00E+00	2.67E-07
7653	499571.4	3733764.83	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.92E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
7654	499567.74	3733755.8	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	8.83E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
7655	499564.08	3733746.78	5.8E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	8.74E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
7656	499560.42	3733737.76	5.74E-07	9.77E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	9.77E-07	0.00E+00	0.00E+00	1.55E-06	8.64E-08	1.70E-07	0.00E+00	0.00E+00	2.57E-07
7657	499556.76	3733728.74	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	8.54E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
7658	499553.1	3733719.71	5.6E-07	9.54E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-07	9.54E-07	0.00E+00	0.00E+00	1.51E-06	8.44E-08	1.66E-07	0.00E+00	0.00E+00	2.51E-07
7659	499549.44	3733710.69	5.53E-07	9.42E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-07	9.42E-07	0.00E+00	0.00E+00	1.49E-06	8.33E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
7660	499545.78	3733701.67	5.46E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	8.22E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
7661	499542.12	3733692.64	5.38E-07	9.16E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-07	9.16E-07	0.00E+00	0.00E+00	1.45E-06	8.10E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
7662	499538.46	3733683.62	5.31E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	7.99E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
7663	499534.8	3733674.6	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	7.87E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
7664	499531.14	3733665.58	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
7665	499859.14	3733922.74	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-07	1.65E-06	0.00E+00	0.00E+00	2.61E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.32E-07
7666	499868.96	3733922.76	9.76E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-07	1.66E-06	0.00E+00	0.00E+00	2.64E-06	1.47E-07	2.89E-07	0.00E+00	0.00E+00	4.36E-07

7667	499878.79	3733922.78	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-07	1.67E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.92E-07	0.00E+00	0.00E+00	4.40E-07
7668	499888.61	3733922.8	9.9E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	1.49E-07	2.94E-07	0.00E+00	0.00E+00	4.43E-07
7669	499898.44	3733922.82	9.96E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-07	1.70E-06	0.00E+00	0.00E+00	2.69E-06	1.50E-07	2.95E-07	0.00E+00	0.00E+00	4.45E-07
7670	499908.26	3733922.84	1E-06	1.70E-06	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.70E-06	0.00E+00	0.00E+00	2.70E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.47E-07
7671	499918.09	3733922.86	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.98E-07	0.00E+00	0.00E+00	4.49E-07
7672	499927.91	3733922.88	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.50E-07
7673	499937.73	3733922.89	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.51E-07
7674	499947.56	3733922.91	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.51E-07
7675	499957.38	3733922.93	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.72E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.51E-07
7676	499967.21	3733922.95	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.71E-06	0.00E+00	0.00E+00	2.72E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.50E-07
7677	499977.03	3733922.97	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.98E-07	0.00E+00	0.00E+00	4.49E-07
7678	499986.86	3733922.99	1E-06	1.70E-06	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.70E-06	0.00E+00	0.00E+00	2.70E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.47E-07
7679	499996.68	3733923.01	9.95E-07	1.69E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-07	1.69E-06	0.00E+00	0.00E+00	2.69E-06	1.50E-07	2.95E-07	0.00E+00	0.00E+00	4.45E-07
7680	500006.51	3733923.03	9.89E-07	1.68E-06	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-07	1.68E-06	0.00E+00	0.00E+00	2.67E-06	1.49E-07	2.93E-07	0.00E+00	0.00E+00	4.42E-07
7681	500016.33	3733923.05	9.82E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.48E-07	2.91E-07	0.00E+00	0.00E+00	4.39E-07
7682	500026.15	3733923.07	9.75E-07	1.66E-06	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-07	1.66E-06	0.00E+00	0.00E+00	2.63E-06	1.47E-07	2.89E-07	0.00E+00	0.00E+00	4.36E-07
7683	500035.98	3733923.09	9.66E-07	1.64E-06	0.00E+00	0.00E+00	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-07	1.64E-06	0.00E+00	0.00E+00	2.61E-06	1.45E-07	2.86E-07	0.00E+00	0.00E+00	4.32E-07
7684	500045.8	3733923.11	9.56E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.84E-07	0.00E+00	0.00E+00	4.28E-07
7685	500055.63	3733923.13	9.46E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-07	1.61E-06	0.00E+00	0.00E+00	2.56E-06	1.42E-07	2.81E-07	0.00E+00	0.00E+00	4.23E-07
7686	500065.45	3733923.15	9.35E-07	1.59E-06	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-07	1.59E-06	0.00E+00	0.00E+00	2.53E-06	1.41E-07	2.77E-07	0.00E+00	0.00E+00	4.18E-07
7687	500075.28	3733923.17	9.23E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.74E-07	0.00E+00	0.00E+00	4.13E-07
7688	500085.1	3733923.19	9.1E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.07E-07
7689	500094.93	3733923.21	8.97E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.66E-07	0.00E+00	0.00E+00	4.01E-07
7690	500104.75	3733923.22	8.83E-07	1.50E-06	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-07	1.50E-06	0.00E+00	0.00E+00	2.39E-06	1.33E-07	2.62E-07	0.00E+00	0.00E+00	3.95E-07
7691	500114.57	3733923.24	8.68E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.88E-07
7692	500124.4	3733923.26	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.82E-07
7693	500134.22	3733923.28	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
7694	500144.05	3733923.3	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
7695	500153.87	3733923.32	8.06E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	1.21E-07	2.39E-07	0.00E+00	0.00E+00	3.60E-07
7696	500163.7	3733923.34	7.9E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
7697	500173.52	3733923.36	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.46E-07
7698	500183.34	3733923.38	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
7699	499850.27	3733949.05	9E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.36E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
7700	499841.46	3733945.36	9E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.36E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
7701	499832.65	3733941.68	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
7702	499823.84	3733937.99	8.98E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.66E-07	0.00E+00	0.00E+00	4.01E-07
7703	499815.03	3733934.3	8.95E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.65E-07	0.00E+00	0.00E+00	4.00E-07
7704	499806.22	3733930.61	8.91E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	1.34E-07	2.64E-07	0.00E+00	0.00E+00	3.99E-07
7705	499797.41	3733926.92	8.87E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	1.34E-07	2.63E-07	0.00E+00	0.00E+00	3.97E-07
7706	499788.6	3733923.24	8.82E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.62E-07	0.00E+00	0.00E+00	3.94E-07
7707	499779.79	3733919.55	8.76E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	1.32E-07	2.60E-07	0.00E+00	0.00E+00	3.92E-07
7708	499770.98	3733915.86	8.69E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.88E-07
7709	499762.18	3733912.17	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.55E-07	0.00E+00	0.00E+00	3.85E-07
7710	499753.37	3733908.48	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.81E-07
7711	499744.56	3733904.79	8.43E-07	1.44E-06	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-07	1.44E-06	0.00E+00	0.00E+00	2.28E-06	1.27E-07	2.50E-07	0.00E+00	0.00E+00	3.77E-07
7712	499735.75	3733901.11	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
7713	499726.94	3733897.42	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
7714	499718.13	3733893.73	8.11E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	1.22E-07	2.41E-07	0.00E+00	0.00E+00	3.63E-07
7715	499709.32	3733890.04	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
7716	499700.51	3733886.35	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
7717	499691.7	3733882.67	7.74E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.46E-07
7718	499682.89	3733878.98	7.6E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.25E-07	0.00E+00	0.00E+00	3.40E-07
7719	499674.08	3733875.29	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.34E-07
7720	499665.27	3733871.6	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
7721	499656.46	3733867.91	7.18E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.21E-07
7722	499647.65	3733864.23	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.14E-07
7723	499638.84	3733860.54	6.89E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.04E-07	0.00E+00	0.00E+00	3.08E-07
7724	499630.03	3733856.85	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	2.00E-07	0.00E+00	0.00E+00	3.01E-07
7725	499621.22	3733853.16	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.95E-07
7726	499612.41	3733849.47	6.44E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	9.69E-08	1.91E-07	0.00E+00	0.00E+00	2.88E-07
7727	499603.6	3733845.79	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.47E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
7728	499594.79	3733842.1	6.14E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.24E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
7729	499585.99	3733838.41	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.02E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
7730	499577.18	3733834.72	5.84E-07	9.94E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-07	9.94E-07	0.00E+00	0.00E+00	1.58E-06	8.80E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
7731	499564.78	3733822.18	5.66E-07	9.63E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	9.63E-07	0.00E+00	0.00E+00	1.53E-06	8.52E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
7732	499561.19	3733813.33	5.62E-07	9.56E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-07	9.56E-07	0.00E+00	0.00E+00	1.52E-06	8.46E-08	1.67E-07	0.00E+00	0.00E+00	2.51E-07
7733	499557.6	3733804.48	5.57E-07	9.49E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	9.49E-07	0.00E+00	0.00E+00	1.51E-06	8.39E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
7734	499554.01	3733795.63	5.53E-07	9.41E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-07	9.41E-07	0.00E+00	0.00E+00	1.49E-06	8.32E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
7735	499550.42	3733786.78	5.48E-07	9.32E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	9.32E-07	0.00E+00	0.00E+00	1.48E-06	8.24E-08	1.62E-07	0.00E+00	0.00E+00	2.45E-07
7736	499546.83	3733777.93	5.42E-07	9.23E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-07	9.23E-07	0.00E+00	0.00E+00	1.47E-06	8.17E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
7737	499543.24	3733769.08	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	8.09E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
7738	499539.65	3733760.23	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.44E-06	8.00E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
7739	499536.06	3733751.38	5.25E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.91E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
7740	499532.47	3733742.53	5.19E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	7.82E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
7741	499528.88	3733733.68	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	7.73E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
7742	499859.08	3733952.74	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
7743	499868.9	3733952.76	9.06E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-07	1.54E-06	0.00E+00	0.00E+00	2.45E-06	1.36E-07	2.69E-07	0.00E+00	0.00E+00	4.05E-07
7744	499878.73	3733952.78	9.12E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.08E-07
7745	499888.55	3733952.8	9.17E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.72E-07	0.00E+00	0.00E+00	4.10E-07
7746	499898.38	3733952.82	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.12E-07
7747	499908.2	3733952.84	9.25E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.74E-07	0.00E+00	0.00E+00	4.14E-07
7748	499918.03	3733952.86	9.28E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.75E-07	0.00E+00	0.00E+00	4.15E-07
7749	499927.85	3733952.88	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
7750	499937.68	3733952.89	9.3E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
7751	499947.5	3733952.91	9.3E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.76E-07	0.00E+00	0.00E+00	4.16E-07
7752	499957.32	3733952.93	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	1.58E-06	0.00E+00	0.00E+00	2.51E-06	1.40E-07	2.75E-07	0.00E+00	0.00E+00	4.15E-07
7753	499967.15	3733952.95	9.27E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	1.40E-07	2.75E-07	0.00E+00	0.00E+00	4.14E-07
7754	499976.97	3733952.97	9.24E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.74E-07	0.00E+00	0.00E+00	4.13E-07
7755	499986.8	3733952.99	9.2E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.12E-07
7756	499996.62	3733953.01	9.16E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	1.38E-07	2.72E-07	0.00E+00	0.00E+00	4.09E-07
7757	500006.45	3733953.03	9.1E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.07E-07
7758	500016.27	3733953.05	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.68E-07	0.00E+00	0.00E+00	4.04E-07
7759	500026.09	3733953.07	8.97E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.66E-07	0.00E+00	0.00E+00	4.01E-07
7760	500035.92	3733953.09	8.89E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-07	1.51E-06	0.00E+00	0.00E+00	2.40E-06	1.34E-07	2.64E-07	0.00E+00	0.00E+00	3.98E-07
7761	500045.74	3733953.11	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.61E-07	0.00E+00	0.00E+00	3.94E-07
7762	500055.57	3733953.13	8.71E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.90E-07
7763	500065.39	3733953.15	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.55E-07	0.00E+00	0.00E+00	3.85E-07
7764	500075.22	3733953.17	8.51E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.52E-07	0.00E+00	0.00E+00	3.80E-07
7765	500085.04	3733953.19	8.4E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
7766	500094.87	3733953.21	8.28E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.70E-07
7767	500104.69	3733953.22	8.16E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.65E-07
7768	500114.51	3733953.24	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.59E-07
7769	500124.34	3733953.26	7.9E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
7770	500134.16	3733953.28	7.77E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	1.17E-07	2.30E-07	0.00E+00	0.00E+00	3.47E-07
7771	500143.99	3733953.3	7.63E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	1.15E-07	2.26E-07	0.00E+00	0.00E+00	3.41E-07
7772	500153.81	3733953.32	7.49E-07	1.28E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-07	1.28E-06	0.00E+00	0.00E+00	2.02E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
7773	500163.64	3733953.34	7.35E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
7774	500173.46	3733953.36	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.08E-07	2.14E-07	0.00E+00	0.00E+00	3.22E-07
7775	500183.29	3733953.38	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.16E-07
7776	499850.11	3733979.01	8.4E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
7777	499841.19	3733975.28	8.4E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.27E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
7778	499832.28	3733971.54	8.4E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.27E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
7779	499823.37	3733967.81	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
7780	499814.45	3733964.08	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.48E-07	0.00E+00	0.00E+00	3.75E-07
7781	499805.54	3733960.35	8.35E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.48E-07	0.00E+00	0.00E+00	3.74E-07
7782	499796.62	3733956.62	8.32E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
7783	499787.71	3733952.89	8.28E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.70E-07
7784	499778.8	3733949.15	8.23E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
7785	499769.88	3733945.42	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	1.23E-07	2.43E-07	0.00E+00	0.00E+00	3.66E-07
7786	499760.97	3733941.69	8.12E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	1.22E-07	2.41E-07	0.00E+00	0.00E+00	3.63E-07
7787	499752.05	3733937.96	8.05E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.39E-07	0.00E+00	0.00E+00	3.60E-07
7788	499743.14	3733934.23	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
7789	499734.23	3733930.5	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
7790	499725.31	3733926.76	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.49E-07
7791	499716.4	3733923.03	7.7E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
7792	499707.48	3733919.3	7.6E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.25E-07	0.00E+00	0.00E+00	3.40E-07
7793	499698.57	3733915.57	7.49E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
7794	499689.66	3733911.84	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7795	499680.74	3733908.1	7.26E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.25E-07
7796	499671.83	3733904.37	7.14E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	1.07E-07	2.12E-07	0.00E+00	0.00E+00	3.19E-07

7797	499662.92	3733900.64	7.01E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-07	1.19E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.08E-07	0.00E+00	0.00E+00	3.14E-07
7798	499654	3733896.91	6.89E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.04E-07	0.00E+00	0.00E+00	3.08E-07
7799	499645.09	3733893.18	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
7800	499636.17	3733889.45	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.98E-08	1.97E-07	0.00E+00	0.00E+00	2.96E-07
7801	499627.26	3733885.71	6.49E-07	1.11E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-07	1.11E-06	0.00E+00	0.00E+00	1.75E-06	9.78E-08	1.93E-07	0.00E+00	0.00E+00	2.90E-07
7802	499618.35	3733881.98	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.57E-08	1.89E-07	0.00E+00	0.00E+00	2.84E-07
7803	499609.43	3733878.25	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.37E-08	1.85E-07	0.00E+00	0.00E+00	2.78E-07
7804	499600.52	3733874.52	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	9.17E-08	1.81E-07	0.00E+00	0.00E+00	2.72E-07
7805	499591.6	3733870.79	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.96E-08	1.77E-07	0.00E+00	0.00E+00	2.66E-07
7806	499582.69	3733867.06	5.81E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	8.75E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
7807	499573.78	3733863.32	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.53E-06	8.55E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
7808	499564.86	3733859.59	5.54E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	8.35E-08	1.64E-07	0.00E+00	0.00E+00	2.48E-07
7809	499555.95	3733855.86	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	8.15E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
7810	499543.4	3733843.17	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	7.89E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
7811	499539.77	3733834.22	5.2E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.86E-07	0.00E+00	0.00E+00	1.41E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
7812	499536.14	3733825.26	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.39E-06	7.77E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
7813	499532.51	3733816.31	5.12E-07	8.71E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.71E-07	0.00E+00	0.00E+00	1.38E-06	7.71E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
7814	499528.87	3733807.35	5.07E-07	8.64E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-07	8.64E-07	0.00E+00	0.00E+00	1.37E-06	7.64E-08	1.50E-07	0.00E+00	0.00E+00	2.27E-07
7815	499525.24	3733798.4	5.03E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	7.57E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
7816	499521.61	3733789.45	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.34E-06	7.49E-08	1.48E-07	0.00E+00	0.00E+00	2.22E-07
7817	499517.98	3733780.49	4.92E-07	8.38E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	8.38E-07	0.00E+00	0.00E+00	1.33E-06	7.41E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
7818	499514.35	3733771.54	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
7819	499510.71	3733762.58	4.81E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
7820	499859.02	3733982.74	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
7821	499868.85	3733982.76	8.44E-07	1.44E-06	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-07	1.44E-06	0.00E+00	0.00E+00	2.28E-06	1.27E-07	2.50E-07	0.00E+00	0.00E+00	3.77E-07
7822	499878.67	3733982.78	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	1.28E-07	2.52E-07	0.00E+00	0.00E+00	3.79E-07
7823	499888.49	3733982.8	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.81E-07
7824	499898.32	3733982.82	8.55E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.54E-07	0.00E+00	0.00E+00	3.83E-07
7825	499908.14	3733982.84	8.58E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.54E-07	0.00E+00	0.00E+00	3.84E-07
7826	499917.97	3733982.86	8.6E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
7827	499927.79	3733982.88	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.55E-07	0.00E+00	0.00E+00	3.85E-07
7828	499937.62	3733982.89	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.55E-07	0.00E+00	0.00E+00	3.85E-07
7829	499947.44	3733982.91	8.6E-07	1.46E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	1.46E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.55E-07	0.00E+00	0.00E+00	3.85E-07
7830	499957.26	3733982.93	8.59E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
7831	499967.09	3733982.95	8.57E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.54E-07	0.00E+00	0.00E+00	3.83E-07
7832	499976.91	3733982.97	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.53E-07	0.00E+00	0.00E+00	3.82E-07
7833	499986.74	3733982.99	8.51E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.52E-07	0.00E+00	0.00E+00	3.80E-07
7834	499996.56	3733983.01	8.46E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	1.27E-07	2.51E-07	0.00E+00	0.00E+00	3.78E-07
7835	500006.39	3733983.03	8.41E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.27E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
7836	500016.21	3733983.05	8.35E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.48E-07	0.00E+00	0.00E+00	3.74E-07
7837	500026.04	3733983.07	8.29E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.71E-07
7838	500035.86	3733983.09	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
7839	500045.68	3733983.11	8.14E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.64E-07
7840	500055.51	3733983.13	8.06E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-07	1.37E-06	0.00E+00	0.00E+00	2.18E-06	1.21E-07	2.39E-07	0.00E+00	0.00E+00	3.60E-07
7841	500065.33	3733983.15	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
7842	500075.16	3733983.17	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.52E-07
7843	500084.98	3733983.19	7.78E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.48E-07
7844	500094.81	3733983.21	7.68E-07	1.31E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-07	1.31E-06	0.00E+00	0.00E+00	2.07E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.43E-07
7845	500104.63	3733983.22	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.25E-07	0.00E+00	0.00E+00	3.38E-07
7846	500114.46	3733983.24	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.34E-07
7847	500124.28	3733983.26	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.28E-07
7848	500134.1	3733983.28	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
7849	500143.93	3733983.3	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
7850	500153.75	3733983.32	6.99E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
7851	500163.58	3733983.34	6.86E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.04E-07	0.00E+00	0.00E+00	3.07E-07
7852	500173.4	3733983.36	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	2.00E-07	0.00E+00	0.00E+00	3.01E-07
7853	500183.23	3733983.38	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.95E-08	1.96E-07	0.00E+00	0.00E+00	2.96E-07
7854	499849.95	3734008.97	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
7855	499840.95	3734005.2	7.86E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
7856	499831.94	3734001.43	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
7857	499822.93	3733997.66	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
7858	499813.93	3733993.89	7.86E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
7859	499804.92	3733990.12	7.84E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
7860	499795.91	3733986.34	7.82E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.50E-07
7861	499786.91	3733982.57	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.48E-07
7862	499777.9	3733978.8	7.76E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	1.17E-07	2.30E-07	0.00E+00	0.00E+00	3.47E-07
7863	499768.89	3733975.03	7.71E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.45E-07
7864	499759.88	3733971.26	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.43E-07
7865	499750.88	3733967.49	7.6E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.26E-07	0.00E+00	0.00E+00	3.40E-07
7866	499741.87	3733963.72	7.54E-07	1.28E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-07	1.28E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.37E-07
7867	499732.86	3733959.95	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.22E-07	0.00E+00	0.00E+00	3.34E-07
7868	499723.86	3733956.18	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.31E-07
7869	499714.85	3733952.41	7.31E-07	1.24E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-07	1.24E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
7870	499705.84	3733948.64	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
7871	499696.84	3733944.87	7.13E-07	1.21E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-07	1.21E-06	0.00E+00	0.00E+00	1.93E-06	1.07E-07	2.12E-07	0.00E+00	0.00E+00	3.19E-07
7872	499687.83	3733941.1	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
7873	499678.82	3733937.33	6.94E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.06E-07	0.00E+00	0.00E+00	3.10E-07
7874	499669.82	3733933.55	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
7875	499660.81	3733929.78	6.72E-07	1.14E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-07	1.14E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.01E-07
7876	499651.8	3733926.01	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.95E-08	1.96E-07	0.00E+00	0.00E+00	2.96E-07
7877	499642.79	3733922.24	6.5E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.78E-08	1.93E-07	0.00E+00	0.00E+00	2.90E-07
7878	499633.79	3733918.47	6.38E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-07	1.09E-06	0.00E+00	0.00E+00	1.72E-06	9.60E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
7879	499624.78	3733914.7	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.42E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
7880	499615.77	3733910.93	6.14E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.24E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
7881	499606.77	3733907.16	6.02E-07	1.02E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-07	1.02E-06	0.00E+00	0.00E+00	1.63E-06	9.06E-08	1.78E-07	0.00E+00	0.00E+00	2.69E-07
7882	499597.76	3733903.39	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.87E-08	1.75E-07	0.00E+00	0.00E+00	2.63E-07
7883	499588.75	3733899.62	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
7884	499579.75	3733895.85	5.64E-07	9.61E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.61E-07	0.00E+00	0.00E+00	1.53E-06	8.50E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
7885	499570.74	3733892.08	5.52E-07	9.40E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	9.40E-07	0.00E+00	0.00E+00	1.49E-06	8.31E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
7886	499561.73	3733888.31	5.4E-07	9.19E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	9.19E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
7887	499552.72	3733884.54	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	7.94E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
7888	499543.72	3733880.77	5.15E-07	8.77E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.77E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
7889	499534.71	3733876.99	5.03E-07	8.56E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-07	8.56E-07	0.00E+00	0.00E+00	1.36E-06	7.57E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
7890	499522.03	3733864.18	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	7.34E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
7891	499518.36	3733855.13	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	7.28E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
7892	499514.69	3733846.08	4.8E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	7.22E-08	1.42E-07	0.00E+00	0.00E+00	2.15E-07
7893	499511.02	3733837.03	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	7.16E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
7894	499507.35	3733827.98	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	7.10E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
7895	499503.68	3733818.93	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
7896	499500.01	3733809.89	4.63E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	6.96E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
7897	499496.34	3733800.84	4.58E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	6.89E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
7898	499481.66	3733764.64	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
7899	499477.99	3733755.59	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
7900	499474.32	3733746.55	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.26E-07	0.00E+00	0.00E+00	1.91E-07
7901	499470.65	3733737.5	4.2E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
7902	499459.64	3733710.35	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
7903	499455.97	3733701.3	3.97E-07	6.76E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	6.76E-07	0.00E+00	0.00E+00	1.07E-06	5.98E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
7904	499858.96	3734012.74	7.83E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.50E-07
7905	499868.79	3734012.76	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.52E-07
7906	499878.61	3734012.78	7.91E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.54E-07
7907	499888.43	3734012.8	7.94E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.55E-07
7908	499898.26	3734012.82	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
7909	499908.08	3734012.84	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
7910	499917.91	3734012.86	8E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.58E-07
7911	499927.73	3734012.87	8E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.58E-07
7912	499937.56	3734012.89	8E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.58E-07
7913	499947.38	3734012.91	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
7914	499957.21	3734012.93	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-07	1.36E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.37E-07	0.00E+00	0.00E+00	3.57E-07
7915	499967.03	3734012.95	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.56E-07
7916	499976.85	3734012.97	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.54E-07
7917	499986.68	3734012.99	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
7918	499996.5	3734013.01	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
7919	500006.33	3734013.03	7.8E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.49E-07
7920	500016.15	3734013.05	7.75E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	1.17E-07	2.30E-07	0.00E+00	0.00E+00	3.47E-07
7921	500025.98	3734013.07	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
7922	500035.8	3734013.09	7.63E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	1.30E-06	0.00E+00	0.00E+00	2.06E-06	1.15E-07	2.26E-07	0.00E+00	0.00E+00	3.41E-07
7923	500045.63	3734013.11	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
7924	500055.45	3734013.13	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
7925	500065.27	3734013.15	7.4E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.20E-07	0.00E+00	0.00E+00	3.31E-07
7926	500075.1	3734013.17	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07

7927	500084.92	3734013.19	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.23E-07
7928	500094.75	3734013.2	7.14E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	1.08E-07	2.12E-07	0.00E+00	0.00E+00	3.19E-07
7929	500104.57	3734013.22	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
7930	500114.4	3734013.24	6.95E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	1.05E-07	2.06E-07	0.00E+00	0.00E+00	3.11E-07
7931	500124.22	3734013.26	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
7932	500134.04	3734013.28	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
7933	500143.87	3734013.3	6.64E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	1.00E-07	1.97E-07	0.00E+00	0.00E+00	2.97E-07
7934	500153.69	3734013.32	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	9.84E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
7935	500163.52	3734013.34	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.67E-08	1.91E-07	0.00E+00	0.00E+00	2.87E-07
7936	500173.34	3734013.36	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
7937	500183.17	3734013.38	6.2E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.34E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
7938	499850.04	3734039.03	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
7939	499841.18	3734035.32	7.37E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7940	499832.31	3734031.61	7.38E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7941	499823.45	3734027.9	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7942	499814.59	3734024.19	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7943	499805.72	3734020.48	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7944	499796.86	3734016.77	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
7945	499788	3734013.05	7.35E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
7946	499779.13	3734009.34	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
7947	499770.27	3734005.63	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.16E-07	0.00E+00	0.00E+00	3.26E-07
7948	499761.41	3734001.92	7.25E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.24E-07
7949	499752.54	3733998.21	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.22E-07
7950	499743.68	3733994.5	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.12E-07	0.00E+00	0.00E+00	3.20E-07
7951	499734.82	3733990.79	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
7952	499725.95	3733987.08	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
7953	499717.09	3733983.37	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
7954	499708.23	3733979.66	6.91E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
7955	499699.36	3733975.95	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
7956	499690.5	3733972.24	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
7957	499681.64	3733968.53	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.01E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
7958	499672.77	3733964.82	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.95E-07
7959	499663.91	3733961.11	6.5E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.78E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
7960	499655.05	3733957.4	6.4E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.64E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
7961	499646.18	3733953.69	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.49E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
7962	499637.32	3733949.98	6.21E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.34E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
7963	499628.46	3733946.27	6.1E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.19E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
7964	499619.59	3733942.56	6E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.03E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
7965	499610.73	3733938.84	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.87E-08	1.75E-07	0.00E+00	0.00E+00	2.63E-07
7966	499601.87	3733935.13	5.78E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	8.71E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
7967	499593.01	3733931.42	5.68E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	8.54E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
7968	499584.14	3733927.71	5.57E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	8.38E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
7969	499575.28	3733924	5.45E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	8.21E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
7970	499566.42	3733920.29	5.34E-07	9.10E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	9.10E-07	0.00E+00	0.00E+00	1.44E-06	8.05E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
7971	499557.55	3733916.58	5.23E-07	8.91E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	8.91E-07	0.00E+00	0.00E+00	1.41E-06	7.88E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
7972	499548.69	3733912.87	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	7.71E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
7973	499539.83	3733909.16	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	7.55E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
7974	499530.96	3733905.45	4.9E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	7.38E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
7975	499522.1	3733901.74	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.29E-06	7.21E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
7976	499513.24	3733898.03	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	7.05E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
7977	499500.76	3733885.41	4.54E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	6.84E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
7978	499497.15	3733876.51	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
7979	499493.54	3733867.61	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
7980	499489.93	3733858.7	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	6.69E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
7981	499486.32	3733849.8	4.4E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	6.63E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
7982	499482.7	3733840.89	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
7983	499479.09	3733831.99	4.32E-07	7.36E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.36E-07	0.00E+00	0.00E+00	1.17E-06	6.51E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
7984	499468.26	3733805.28	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
7985	499464.65	3733796.37	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	6.24E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
7986	499461.03	3733787.47	4.1E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.17E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
7987	499457.42	3733778.57	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	6.09E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
7988	499453.81	3733769.66	4E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
7989	499450.2	3733760.76	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
7990	499446.59	3733751.85	3.9E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
7991	499421.31	3733689.53	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.53E-07	5.31E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
7992	499417.7	3733680.62	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
7993	499414.08	3733671.72	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.25E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
7994	499410.47	3733662.81	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
7995	499858.9	3734042.74	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.18E-07	0.00E+00	0.00E+00	3.28E-07
7996	499868.73	3734042.76	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
7997	499878.55	3734042.78	7.4E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.31E-07
7998	499888.38	3734042.8	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
7999	499898.2	3734042.82	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.33E-07
8000	499908.02	3734042.84	7.45E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.33E-07
8001	499917.85	3734042.86	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.34E-07
8002	499927.67	3734042.87	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.34E-07
8003	499937.5	3734042.89	7.45E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.33E-07
8004	499947.32	3734042.91	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.33E-07
8005	499957.15	3734042.93	7.43E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
8006	499966.97	3734042.95	7.4E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.11E-07	2.20E-07	0.00E+00	0.00E+00	3.31E-07
8007	499976.8	3734042.97	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-07	1.26E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.19E-07	0.00E+00	0.00E+00	3.30E-07
8008	499986.62	3734042.99	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.28E-07
8009	499996.44	3734043.01	7.31E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
8010	500006.27	3734043.03	7.26E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.25E-07
8011	500016.09	3734043.05	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
8012	500025.92	3734043.07	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-07	1.22E-06	0.00E+00	0.00E+00	1.93E-06	1.08E-07	2.12E-07	0.00E+00	0.00E+00	3.20E-07
8013	500035.74	3734043.09	7.1E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
8014	500045.57	3734043.11	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
8015	500055.39	3734043.13	6.97E-07	1.19E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-07	1.19E-06	0.00E+00	0.00E+00	1.88E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
8016	500065.21	3734043.15	6.9E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
8017	500075.04	3734043.17	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8018	500084.86	3734043.19	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
8019	500094.69	3734043.2	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
8020	500104.51	3734043.22	6.58E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.91E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
8021	500114.34	3734043.24	6.5E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.78E-08	1.93E-07	0.00E+00	0.00E+00	2.90E-07
8022	500124.16	3734043.26	6.41E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.65E-08	1.90E-07	0.00E+00	0.00E+00	2.87E-07
8023	500133.99	3734043.28	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
8024	500143.81	3734043.3	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.37E-08	1.85E-07	0.00E+00	0.00E+00	2.78E-07
8025	500153.63	3734043.32	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.23E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
8026	500163.46	3734043.34	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.08E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
8027	500173.28	3734043.36	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.93E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
8028	500183.11	3734043.38	5.83E-07	9.93E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	9.93E-07	0.00E+00	0.00E+00	1.58E-06	8.78E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
8029	499849.92	3734079.01	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
8030	499841.01	3734075.28	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.04E-07
8031	499832.11	3734071.56	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
8032	499823.21	3734067.83	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8033	499814.3	3734064.1	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8034	499805.4	3734060.37	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8035	499796.49	3734056.64	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8036	499787.59	3734052.92	6.8E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
8037	499778.68	3734049.19	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.04E-07
8038	499769.78	3734045.46	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
8039	499760.87	3734041.73	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.01E-07
8040	499751.97	3734038.01	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
8041	499743.07	3734034.28	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
8042	499734.16	3734030.55	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.99E-08	1.97E-07	0.00E+00	0.00E+00	2.97E-07
8043	499725.26	3734026.82	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.95E-07
8044	499716.35	3734023.09	6.54E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	9.84E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
8045	499707.45	3734019.37	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.76E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
8046	499698.54	3734015.64	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.67E-08	1.91E-07	0.00E+00	0.00E+00	2.87E-07
8047	499689.64	3734011.91	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.58E-08	1.89E-07	0.00E+00	0.00E+00	2.84E-07
8048	499680.73	3734008.18	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.47E-08	1.87E-07	0.00E+00	0.00E+00	2.81E-07
8049	499671.83	3734004.46	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.37E-08	1.85E-07	0.00E+00	0.00E+00	2.78E-07
8050	499662.93	3734000.73	6.15E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.26E-08	1.82E-07	0.00E+00	0.00E+00	2.75E-07
8051	499654.02	3733997	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	9.14E-08	1.80E-07	0.00E+00	0.00E+00	2.71E-07
8052	499645.12	3733993.27	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.02E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
8053	499636.21	3733989.54	5.9E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.89E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
8054	499627.31	3733985.82	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	8.76E-08	1.73E-07	0.00E+00	0.00E+00	2.60E-07
8055	499618.4	3733982.09	5.73E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	8.63E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
8056	499609.5	3733978.36	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	8.49E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07

8057	499600.59	3733974.63	5.55E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-07	9.44E-07	0.00E+00	0.00E+00	1.50E-06	8.35E-08	1.64E-07	0.00E+00	0.00E+00	2.48E-07
8058	499591.69	3733970.91	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.21E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
8059	499582.79	3733967.18	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	8.06E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
8060	499573.88	3733963.45	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.92E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
8061	499564.98	3733959.72	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.39E-06	7.77E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
8062	499556.07	3733956	5.06E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	7.62E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
8063	499547.17	3733952.27	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	7.48E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
8064	499538.26	3733948.54	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
8065	499529.36	3733944.81	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
8066	499520.45	3733941.08	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
8067	499511.55	3733937.36	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.24E-06	6.88E-08	1.36E-07	0.00E+00	0.00E+00	2.04E-07
8068	499502.65	3733933.63	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
8069	499493.74	3733929.9	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	6.59E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
8070	499484.84	3733926.17	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8071	499472.3	3733913.5	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	6.26E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
8072	499468.67	3733904.55	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.22E-07	0.00E+00	0.00E+00	1.85E-07
8073	499465.05	3733895.61	4.1E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.17E-08	1.22E-07	0.00E+00	0.00E+00	1.83E-07
8074	499461.42	3733886.66	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
8075	499457.79	3733877.72	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
8076	499454.16	3733868.77	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.01E-08	1.18E-07	0.00E+00	0.00E+00	1.79E-07
8077	499450.53	3733859.83	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	5.96E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
8078	499443.28	3733841.94	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.60E-07	0.00E+00	0.00E+00	1.05E-06	5.84E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
8079	499439.65	3733832.99	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	5.78E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8080	499436.02	3733824.05	3.8E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8081	499432.39	3733815.1	3.76E-07	6.39E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.39E-07	0.00E+00	0.00E+00	1.02E-06	5.66E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
8082	499428.76	3733806.15	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8083	499425.13	3733797.21	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8084	499421.51	3733788.26	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
8085	499417.88	3733779.32	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	5.39E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
8086	499414.25	3733770.37	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8087	499348.94	3733609.36	2.7E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	4.07E-08	8.01E-08	0.00E+00	0.00E+00	1.21E-07
8088	499345.31	3733600.41	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
8089	499341.68	3733591.46	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
8090	499338.05	3733582.52	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	3.87E-08	7.62E-08	0.00E+00	0.00E+00	1.15E-07
8091	499334.43	3733573.57	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	3.81E-08	7.50E-08	0.00E+00	0.00E+00	1.13E-07
8092	499330.8	3733564.63	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
8093	499327.17	3733555.68	2.45E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
8094	499323.54	3733546.74	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.08E-07
8095	499858.82	3734082.74	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
8096	499868.65	3734082.76	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
8097	499878.47	3734082.78	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.04E-07
8098	499888.3	3734082.8	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
8099	499898.12	3734082.82	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8100	499907.95	3734082.84	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8101	499917.77	3734082.86	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8102	499927.59	3734082.87	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8103	499937.42	3734082.89	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
8104	499947.24	3734082.91	6.8E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
8105	499957.07	3734082.93	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-07	1.16E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
8106	499966.89	3734082.95	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.02E-07
8107	499976.72	3734082.97	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.01E-07	2.00E-07	0.00E+00	0.00E+00	3.01E-07
8108	499986.54	3734082.99	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
8109	499996.36	3734083.01	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
8110	500006.19	3734083.03	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.98E-08	1.97E-07	0.00E+00	0.00E+00	2.96E-07
8111	500016.01	3734083.05	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.95E-07
8112	500025.84	3734083.07	6.54E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	9.85E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
8113	500035.66	3734083.09	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.77E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
8114	500045.49	3734083.11	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.68E-08	1.91E-07	0.00E+00	0.00E+00	2.88E-07
8115	500055.31	3734083.13	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.60E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
8116	500065.14	3734083.15	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.71E-06	9.50E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
8117	500074.96	3734083.17	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.41E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
8118	500084.78	3734083.19	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.30E-08	1.83E-07	0.00E+00	0.00E+00	2.76E-07
8119	500094.61	3734083.2	6.11E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.20E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
8120	500104.43	3734083.22	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.09E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
8121	500114.26	3734083.24	5.96E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	1.02E-06	0.00E+00	0.00E+00	1.61E-06	8.98E-08	1.77E-07	0.00E+00	0.00E+00	2.67E-07
8122	500124.08	3734083.26	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.86E-08	1.75E-07	0.00E+00	0.00E+00	2.63E-07
8123	500133.91	3734083.28	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	8.74E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
8124	500143.73	3734083.3	5.73E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-07	9.75E-07	0.00E+00	0.00E+00	1.55E-06	8.62E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
8125	500153.56	3734083.32	5.65E-07	9.61E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	9.61E-07	0.00E+00	0.00E+00	1.53E-06	8.50E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
8126	500163.38	3734083.34	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	8.38E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
8127	500173.2	3734083.36	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	8.25E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
8128	500183.03	3734083.38	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
8129	499849.8	3734119	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.42E-08	1.85E-07	0.00E+00	0.00E+00	2.80E-07
8130	499840.86	3734115.25	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.45E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
8131	499831.92	3734111.51	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.47E-08	1.87E-07	0.00E+00	0.00E+00	2.81E-07
8132	499822.98	3734107.77	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.49E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
8133	499814.04	3734104.03	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
8134	499805.1	3734100.28	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.52E-08	1.87E-07	0.00E+00	0.00E+00	2.83E-07
8135	499796.16	3734096.54	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.52E-08	1.87E-07	0.00E+00	0.00E+00	2.83E-07
8136	499787.22	3734092.8	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.51E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
8137	499778.28	3734089.05	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.50E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
8138	499769.34	3734085.31	6.3E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.48E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
8139	499760.4	3734081.57	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.45E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
8140	499751.46	3734077.83	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.42E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
8141	499742.52	3734074.08	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.38E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
8142	499733.58	3734070.34	6.2E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.34E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
8143	499724.64	3734066.6	6.17E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.28E-08	1.83E-07	0.00E+00	0.00E+00	2.76E-07
8144	499715.7	3734062.85	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.23E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
8145	499706.76	3734059.11	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	9.16E-08	1.80E-07	0.00E+00	0.00E+00	2.72E-07
8146	499697.82	3734055.37	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.09E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
8147	499688.88	3734051.63	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.02E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
8148	499679.94	3734047.88	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.93E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
8149	499671	3734044.14	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.85E-08	1.74E-07	0.00E+00	0.00E+00	2.63E-07
8150	499662.06	3734040.4	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	8.76E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
8151	499653.12	3734036.66	5.75E-07	9.79E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-07	9.79E-07	0.00E+00	0.00E+00	1.55E-06	8.66E-08	1.71E-07	0.00E+00	0.00E+00	2.57E-07
8152	499644.18	3734032.91	5.68E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	8.56E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
8153	499635.24	3734029.17	5.61E-07	9.56E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	9.56E-07	0.00E+00	0.00E+00	1.52E-06	8.45E-08	1.67E-07	0.00E+00	0.00E+00	2.51E-07
8154	499626.3	3734025.43	5.54E-07	9.43E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	9.43E-07	0.00E+00	0.00E+00	1.50E-06	8.34E-08	1.64E-07	0.00E+00	0.00E+00	2.48E-07
8155	499617.36	3734021.68	5.47E-07	9.31E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-07	9.31E-07	0.00E+00	0.00E+00	1.48E-06	8.23E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
8156	499608.42	3734017.94	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	8.11E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
8157	499599.48	3734014.2	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.43E-06	8.00E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
8158	499590.54	3734010.46	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	7.87E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
8159	499581.59	3734006.71	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
8160	499572.65	3734002.97	5.06E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	7.62E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
8161	499563.71	3733999.23	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	7.49E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
8162	499554.77	3733995.48	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	7.37E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
8163	499545.83	3733991.74	4.81E-07	8.18E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.18E-07	0.00E+00	0.00E+00	1.30E-06	7.23E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8164	499536.89	3733988	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	7.10E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
8165	499527.95	3733984.26	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
8166	499519.01	3733980.51	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	6.84E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
8167	499510.07	3733976.77	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	6.71E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
8168	499501.13	3733973.03	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
8169	499492.19	3733969.29	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8170	499483.25	3733965.54	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
8171	499474.31	3733961.8	4.1E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
8172	499465.37	3733958.06	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	6.05E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8173	499456.43	3733954.31	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8174	499443.85	3733941.59	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8175	499440.2	3733932.61	3.8E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	5.71E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8176	499436.56	3733923.63	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
8177	499432.92	3733914.65	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
8178	499429.28	3733905.66	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8179	499425.63	3733896.68	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8180	499356.42	3733726.04	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.41E-08	8.69E-08	0.00E+00	0.00E+00	1.31E-07
8181	499352.77	3733717.05	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.80E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
8182	499349.13	3733708.07	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	4.29E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
8183	499345.49	3733699.09	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	4.22E-08	8.32E-08	0.00E+00	0.00E+00	1.25E-07
8184	499341.84	3733690.11	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.24E-07
8185	499319.99	3733636.22	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	3.79E-08	7.47E-08	0.00E+00	0.00E+00	1.13E-07
8186	499316.34	3733627.24	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07

8187	499312.7	3733618.26	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
8188	499309.06	3733609.28	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.07E-07
8189	499305.42	3733600.3	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
8190	499301.77	3733591.31	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
8191	499298.13	3733582.33	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
8192	499294.49	3733573.35	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
8193	499290.84	3733564.37	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.92E-08
8194	499283.56	3733546.41	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.61E-08
8195	499858.74	3734122.74	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.38E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
8196	499868.57	3734122.76	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.40E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
8197	499878.39	3734122.78	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.43E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
8198	499888.22	3734122.8	6.27E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.44E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
8199	499898.04	3734122.82	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.45E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
8200	499907.87	3734122.84	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.45E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
8201	499917.69	3734122.86	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.45E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
8202	499927.51	3734122.87	6.27E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.44E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
8203	499937.34	3734122.89	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.43E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
8204	499947.16	3734122.91	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.40E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
8205	499956.99	3734122.93	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.38E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
8206	499966.81	3734122.95	6.21E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.35E-08	1.84E-07	0.00E+00	0.00E+00	2.78E-07
8207	499976.64	3734122.97	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.31E-08	1.83E-07	0.00E+00	0.00E+00	2.76E-07
8208	499986.46	3734122.99	6.15E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.26E-08	1.82E-07	0.00E+00	0.00E+00	2.75E-07
8209	499996.29	3734123.01	6.12E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.21E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
8210	500006.11	3734123.03	6.08E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-07	1.04E-06	0.00E+00	0.00E+00	1.64E-06	9.16E-08	1.80E-07	0.00E+00	0.00E+00	2.72E-07
8211	500015.93	3734123.05	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.10E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
8212	500025.76	3734123.07	6E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.03E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
8213	500035.58	3734123.09	5.96E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.97E-08	1.77E-07	0.00E+00	0.00E+00	2.66E-07
8214	500045.41	3734123.11	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.89E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
8215	500055.23	3734123.13	5.86E-07	9.97E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-07	9.97E-07	0.00E+00	0.00E+00	1.58E-06	8.82E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
8216	500065.06	3734123.15	5.8E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	8.74E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
8217	500074.88	3734123.17	5.75E-07	9.78E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-07	9.78E-07	0.00E+00	0.00E+00	1.55E-06	8.65E-08	1.70E-07	0.00E+00	0.00E+00	2.57E-07
8218	500084.71	3734123.19	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	8.56E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
8219	500094.53	3734123.2	5.63E-07	9.58E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	9.58E-07	0.00E+00	0.00E+00	1.52E-06	8.47E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
8220	500104.35	3734123.22	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	8.38E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
8221	500114.18	3734123.24	5.5E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	8.28E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
8222	500124	3734123.26	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-07	9.25E-07	0.00E+00	0.00E+00	1.47E-06	8.18E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
8223	500133.83	3734123.28	5.36E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	8.08E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8224	500143.65	3734123.3	5.29E-07	9.01E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-07	9.01E-07	0.00E+00	0.00E+00	1.43E-06	7.97E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
8225	500153.48	3734123.32	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	7.86E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
8226	500163.3	3734123.34	5.15E-07	8.77E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.77E-07	0.00E+00	0.00E+00	1.39E-06	7.76E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
8227	500173.13	3734123.36	5.08E-07	8.64E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.64E-07	0.00E+00	0.00E+00	1.37E-06	7.64E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
8228	500182.95	3734123.38	5E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
8229	499768.95	3734125.18	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	9.99E-07	0.00E+00	0.00E+00	1.59E-06	8.84E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
8230	499759.98	3734121.42	5.86E-07	9.97E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-07	9.97E-07	0.00E+00	0.00E+00	1.58E-06	8.82E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
8231	499751	3734117.67	5.84E-07	9.95E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-07	9.95E-07	0.00E+00	0.00E+00	1.58E-06	8.80E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
8232	499742.03	3734113.91	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	9.92E-07	0.00E+00	0.00E+00	1.57E-06	8.77E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
8233	499733.06	3734110.16	5.81E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	8.74E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
8234	499724.09	3734106.4	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	8.70E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
8235	499715.12	3734102.64	5.75E-07	9.79E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-07	9.79E-07	0.00E+00	0.00E+00	1.55E-06	8.66E-08	1.71E-07	0.00E+00	0.00E+00	2.57E-07
8236	499706.15	3734098.89	5.72E-07	9.73E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-07	9.73E-07	0.00E+00	0.00E+00	1.55E-06	8.61E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
8237	499697.17	3734095.13	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.67E-07	0.00E+00	0.00E+00	1.54E-06	8.55E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
8238	499688.2	3734091.38	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	8.49E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
8239	499679.23	3734087.62	5.6E-07	9.53E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-07	9.53E-07	0.00E+00	0.00E+00	1.51E-06	8.43E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
8240	499670.26	3734083.86	5.55E-07	9.45E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-07	9.45E-07	0.00E+00	0.00E+00	1.50E-06	8.36E-08	1.65E-07	0.00E+00	0.00E+00	2.48E-07
8241	499661.29	3734080.11	5.5E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	8.28E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
8242	499652.31	3734076.35	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
8243	499643.34	3734072.6	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
8244	499634.37	3734068.84	5.34E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	8.03E-08	1.58E-07	0.00E+00	0.00E+00	2.39E-07
8245	499625.4	3734065.08	5.28E-07	8.98E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-07	8.98E-07	0.00E+00	0.00E+00	1.43E-06	7.94E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
8246	499616.43	3734061.33	5.21E-07	8.87E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-07	8.87E-07	0.00E+00	0.00E+00	1.41E-06	7.85E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
8247	499607.46	3734057.57	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
8248	499598.48	3734053.82	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	7.65E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
8249	499589.51	3734050.06	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	8.53E-07	0.00E+00	0.00E+00	1.35E-06	7.54E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
8250	499580.54	3734046.3	4.94E-07	8.41E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	8.41E-07	0.00E+00	0.00E+00	1.33E-06	7.44E-08	1.46E-07	0.00E+00	0.00E+00	2.21E-07
8251	499571.57	3734042.55	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
8252	499562.6	3734038.79	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	7.22E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
8253	499553.63	3734035.04	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	7.10E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
8254	499544.65	3734031.28	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	6.99E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
8255	499535.68	3734027.52	4.56E-07	7.77E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	7.77E-07	0.00E+00	0.00E+00	1.23E-06	6.87E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
8256	499526.71	3734023.77	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	6.76E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
8257	499517.74	3734020.01	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	6.64E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
8258	499508.77	3734016.26	4.33E-07	7.37E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-07	7.37E-07	0.00E+00	0.00E+00	1.17E-06	6.52E-08	1.28E-07	0.00E+00	0.00E+00	1.94E-07
8259	499499.79	3734012.5	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.40E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8260	499490.82	3734008.75	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	6.28E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
8261	499481.85	3734004.99	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.16E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
8262	499472.88	3734001.23	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	6.05E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8263	499463.91	3733997.48	3.94E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	5.93E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8264	499454.94	3733993.72	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.14E-07	0.00E+00	0.00E+00	1.73E-07
8265	499445.96	3733989.97	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8266	499436.99	3733986.21	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8267	499428.02	3733982.45	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
8268	499415.39	3733969.68	3.53E-07	6.00E-07	0.00E+00	0.00E+00	9.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.00E-07	0.00E+00	0.00E+00	9.53E-07	5.31E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8269	499411.74	3733960.67	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
8270	499408.08	3733951.66	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.39E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
8271	499404.43	3733942.65	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
8272	499400.77	3733933.63	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.25E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
8273	499320.34	3733735.35	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.19E-07
8274	499316.69	3733726.33	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.94E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
8275	499313.03	3733717.32	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
8276	499287.44	3733654.23	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.89E-08	0.00E+00	0.00E+00	1.04E-07
8277	499283.79	3733645.22	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
8278	499280.13	3733636.2	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
8279	499276.47	3733627.19	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.93E-08
8280	499272.82	3733618.18	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.78E-08
8281	499269.16	3733609.16	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
8282	499265.51	3733600.15	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
8283	499250.88	3733564.1	2E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.92E-08	0.00E+00	0.00E+00	8.92E-08
8284	499243.57	3733546.07	1.94E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	2.91E-08	5.74E-08	0.00E+00	0.00E+00	8.65E-08
8285	499858.66	3734162.74	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
8286	499868.49	3734162.76	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	8.71E-08	1.71E-07	0.00E+00	0.00E+00	2.59E-07
8287	499878.31	3734162.78	5.79E-07	9.86E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	9.86E-07	0.00E+00	0.00E+00	1.56E-06	8.72E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
8288	499888.14	3734162.8	5.8E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	8.73E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
8289	499897.96	3734162.82	5.8E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	8.73E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
8290	499907.79	3734162.84	5.8E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	8.73E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
8291	499917.61	3734162.86	5.79E-07	9.86E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	9.86E-07	0.00E+00	0.00E+00	1.57E-06	8.72E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
8292	499927.44	3734162.87	5.78E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.85E-07	0.00E+00	0.00E+00	1.56E-06	8.71E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
8293	499937.26	3734162.89	5.77E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
8294	499947.08	3734162.91	5.76E-07	9.80E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-07	9.80E-07	0.00E+00	0.00E+00	1.56E-06	8.67E-08	1.71E-07	0.00E+00	0.00E+00	2.57E-07
8295	499956.91	3734162.93	5.74E-07	9.77E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	9.77E-07	0.00E+00	0.00E+00	1.55E-06	8.64E-08	1.70E-07	0.00E+00	0.00E+00	2.57E-07
8296	499966.73	3734162.95	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	8.61E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
8297	499976.56	3734162.97	5.7E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-07	9.70E-07	0.00E+00	0.00E+00	1.54E-06	8.58E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
8298	499986.38	3734162.99	5.67E-07	9.65E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	9.65E-07	0.00E+00	0.00E+00	1.53E-06	8.54E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
8299	499996.21	3734163.01	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.60E-07	0.00E+00	0.00E+00	1.52E-06	8.49E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
8300	500006.03	3734163.03	5.61E-07	9.54E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	9.54E-07	0.00E+00	0.00E+00	1.52E-06	8.44E-08	1.66E-07	0.00E+00	0.00E+00	2.51E-07
8301	500015.86	3734163.05	5.57E-07	9.48E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	9.48E-07	0.00E+00	0.00E+00	1.51E-06	8.39E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
8302	500025.68	3734163.07	5.53E-07	9.42E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-07	9.42E-07	0.00E+00	0.00E+00	1.50E-06	8.33E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
8303	500035.5	3734163.09	5.49E-07	9.35E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	9.35E-07	0.00E+00	0.00E+00	1.48E-06	8.27E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
8304	500045.33	3734163.11	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
8305	500055.15	3734163.13	5.4E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	8.14E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
8306	500064.98	3734163.15	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	8.06E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
8307	500074.8	3734163.17	5.31E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.03E-07	0.00E+00	0.00E+00	1.43E-06	7.99E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
8308	500084.63	3734163.19	5.25E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	8.95E-07	0.00E+00	0.00E+00	1.42E-06	7.91E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
8309	500094.45	3734163.2	5.2E-07	8.85E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.85E-07	0.00E+00	0.00E+00	1.41E-06	7.83E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
8310	500104.28	3734163.22	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
8311	500114.1	3734163.24	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.38E-06	7.66E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
8312	500123.92	3734163.26	5.03E-07	8.56E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-07	8.56E-07	0.00E+00	0.00E+00	1.36E-06	7.58E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
8313	500133.75	3734163.28	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	7.49E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
8314	500143.57	3734163.3	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.39E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
8315	500153.4	3734163.32	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	7.30E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
8316	500163.22	3734163.34	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	7.21E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07

8317	500173.05	3734163.36	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	7.11E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
8318	500182.87	3734163.38	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	7.01E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
8319	499849.59	3734198.97	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	8.11E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
8320	499840.59	3734195.2	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	9.21E-07	0.00E+00	0.00E+00	1.46E-06	8.15E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
8321	499831.59	3734191.44	5.43E-07	9.24E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-07	9.24E-07	0.00E+00	0.00E+00	1.47E-06	8.18E-08	1.61E-07	0.00E+00	0.00E+00	2.43E-07
8322	499822.59	3734187.67	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.27E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
8323	499813.59	3734183.9	5.46E-07	9.30E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	9.30E-07	0.00E+00	0.00E+00	1.48E-06	8.22E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
8324	499804.59	3734180.13	5.47E-07	9.32E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-07	9.32E-07	0.00E+00	0.00E+00	1.48E-06	8.24E-08	1.62E-07	0.00E+00	0.00E+00	2.45E-07
8325	499795.59	3734176.37	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	8.25E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
8326	499786.59	3734172.6	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	8.26E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
8327	499777.59	3734168.83	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	8.26E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
8328	499768.59	3734165.06	5.48E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	8.26E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
8329	499759.59	3734161.3	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	8.25E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
8330	499669.59	3734123.62	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	7.90E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
8331	499660.6	3734119.85	5.21E-07	8.87E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-07	8.87E-07	0.00E+00	0.00E+00	1.41E-06	7.84E-08	1.54E-07	0.00E+00	0.00E+00	2.33E-07
8332	499651.6	3734116.08	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.40E-06	7.78E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
8333	499642.6	3734112.32	5.12E-07	8.71E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.71E-07	0.00E+00	0.00E+00	1.38E-06	7.71E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8334	499633.6	3734108.55	5.07E-07	8.63E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-07	8.63E-07	0.00E+00	0.00E+00	1.37E-06	7.64E-08	1.50E-07	0.00E+00	0.00E+00	2.27E-07
8335	499624.6	3734104.78	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	7.56E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
8336	499615.6	3734101.01	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	7.48E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
8337	499606.6	3734097.25	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.40E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
8338	499597.6	3734093.48	4.86E-07	8.27E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-07	8.27E-07	0.00E+00	0.00E+00	1.31E-06	7.31E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
8339	499588.6	3734089.71	4.8E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	7.22E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
8340	499579.6	3734085.94	4.74E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	7.13E-08	1.40E-07	0.00E+00	0.00E+00	2.12E-07
8341	499570.6	3734082.18	4.67E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
8342	499561.6	3734078.41	4.61E-07	7.85E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.85E-07	0.00E+00	0.00E+00	1.25E-06	6.94E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
8343	499552.6	3734074.64	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	6.84E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
8344	499543.6	3734070.87	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
8345	499534.6	3734067.11	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	6.64E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
8346	499525.6	3734063.34	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
8347	499516.6	3734059.57	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8348	499507.6	3734055.8	4.2E-07	7.15E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.15E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
8349	499498.6	3734052.04	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
8350	499489.6	3734048.27	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.82E-07
8351	499480.6	3734044.5	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	6.01E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
8352	499471.6	3734040.73	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
8353	499462.6	3734036.96	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8354	499453.6	3734033.2	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8355	499444.61	3734029.43	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8356	499435.61	3734025.66	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
8357	499426.61	3734021.89	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
8358	499417.61	3734018.13	3.5E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
8359	499408.61	3734014.36	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
8360	499399.61	3734010.59	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.07E-07	5.06E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
8361	499353.94	3733916.41	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.57E-08	8.99E-08	0.00E+00	0.00E+00	1.36E-07
8362	499350.27	3733907.37	3E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.91E-08	0.00E+00	0.00E+00	1.34E-07
8363	499346.6	3733898.33	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
8364	499342.94	3733889.29	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.32E-07
8365	499284.26	3733744.64	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	3.63E-08	7.15E-08	0.00E+00	0.00E+00	1.08E-07
8366	499280.59	3733735.59	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
8367	499258.59	3733681.35	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.47E-08	0.00E+00	0.00E+00	9.76E-08
8368	499254.92	3733672.31	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
8369	499251.26	3733663.27	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
8370	499247.59	3733654.23	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.34E-08
8371	499243.92	3733645.18	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
8372	499240.26	3733636.14	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
8373	499236.59	3733627.1	2E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
8374	499203.58	3733545.73	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.84E-08
8375	499858.59	3734202.74	5.36E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	8.07E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8376	499868.41	3734202.76	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	8.08E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8377	499878.23	3734202.78	5.37E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	8.09E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8378	499888.06	3734202.8	5.38E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	8.09E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8379	499897.88	3734202.82	5.38E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-07	9.15E-07	0.00E+00	0.00E+00	1.45E-06	8.09E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8380	499907.71	3734202.84	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	8.09E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8381	499917.53	3734202.86	5.37E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.13E-07	0.00E+00	0.00E+00	1.45E-06	8.08E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8382	499927.36	3734202.87	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	8.07E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
8383	499937.18	3734202.89	5.35E-07	9.10E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-07	9.10E-07	0.00E+00	0.00E+00	1.44E-06	8.05E-08	1.59E-07	0.00E+00	0.00E+00	2.39E-07
8384	499947.01	3734202.91	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	8.03E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
8385	499956.83	3734202.93	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.04E-07	0.00E+00	0.00E+00	1.44E-06	8.00E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
8386	499966.65	3734202.95	5.29E-07	9.01E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-07	9.01E-07	0.00E+00	0.00E+00	1.43E-06	7.97E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
8387	499976.48	3734202.97	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	7.94E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
8388	499986.3	3734202.99	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	7.90E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
8389	499996.13	3734203.01	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	7.86E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
8390	500005.95	3734203.03	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	7.81E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
8391	500015.78	3734203.05	5.16E-07	8.78E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.78E-07	0.00E+00	0.00E+00	1.39E-06	7.76E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
8392	500025.6	3734203.07	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	7.71E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8393	500035.43	3734203.09	5.08E-07	8.66E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.66E-07	0.00E+00	0.00E+00	1.37E-06	7.66E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
8394	500045.25	3734203.11	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
8395	500055.07	3734203.13	5E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	7.54E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
8396	500064.9	3734203.15	4.96E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	7.47E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
8397	500074.72	3734203.17	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	7.41E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
8398	500084.55	3734203.19	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	7.34E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
8399	500094.37	3734203.2	4.83E-07	8.21E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-07	8.21E-07	0.00E+00	0.00E+00	1.30E-06	7.27E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
8400	500104.2	3734203.22	4.78E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	7.19E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
8401	500114.02	3734203.24	4.73E-07	8.05E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-07	8.05E-07	0.00E+00	0.00E+00	1.28E-06	7.12E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
8402	500123.85	3734203.26	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
8403	500133.67	3734203.28	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	6.96E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
8404	500143.49	3734203.3	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	7.78E-07	0.00E+00	0.00E+00	1.24E-06	6.88E-08	1.36E-07	0.00E+00	0.00E+00	2.04E-07
8405	500153.32	3734203.32	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	6.80E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8406	500163.14	3734203.34	4.46E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	6.72E-08	1.32E-07	0.00E+00	0.00E+00	2.00E-07
8407	500172.97	3734203.36	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	6.63E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
8408	500182.79	3734203.38	4.35E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	6.55E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
8409	499849.48	3734238.96	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	7.56E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
8410	499840.46	3734235.18	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
8411	499831.43	3734231.4	5.07E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	7.63E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
8412	499822.41	3734227.63	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	7.65E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
8413	499813.39	3734223.85	5.1E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	7.68E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
8414	499804.36	3734220.07	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	7.70E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8415	499795.34	3734216.29	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	7.71E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8416	499786.31	3734212.51	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	7.72E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8417	499777.29	3734208.74	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	7.73E-08	1.52E-07	0.00E+00	0.00E+00	2.30E-07
8418	499768.26	3734204.96	5.14E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	7.73E-08	1.52E-07	0.00E+00	0.00E+00	2.30E-07
8419	499759.24	3734201.18	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.74E-07	0.00E+00	0.00E+00	1.39E-06	7.73E-08	1.52E-07	0.00E+00	0.00E+00	2.30E-07
8420	499750.21	3734197.4	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	7.72E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8421	499741.19	3734193.63	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	7.71E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8422	499732.17	3734189.85	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	7.70E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
8423	499723.14	3734186.07	5.1E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-07	8.68E-07	0.00E+00	0.00E+00	1.38E-06	7.68E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
8424	499714.12	3734182.29	5.08E-07	8.66E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.66E-07	0.00E+00	0.00E+00	1.37E-06	7.66E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
8425	499705.09	3734178.51	5.07E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-07	8.62E-07	0.00E+00	0.00E+00	1.37E-06	7.63E-08	1.50E-07	0.00E+00	0.00E+00	2.27E-07
8426	499696.07	3734174.74	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
8427	499687.04	3734170.96	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	7.56E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
8428	499678.02	3734167.18	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
8429	499669	3734163.4	4.96E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	7.47E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
8430	499569.73	3734121.84	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	6.75E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
8431	499560.7	3734118.07	4.43E-07	7.54E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	7.54E-07	0.00E+00	0.00E+00	1.20E-06	6.67E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
8432	499551.68	3734114.29	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
8433	499542.65	3734110.51	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
8434	499533.63	3734106.73	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.41E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8435	499524.61	3734102.95	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
8436	499515.58	3734099.18	4.13E-07	7.04E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.04E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
8437	499506.56	3734095.4	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
8438	499497.53	3734091.62	4.01E-07	6.82E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.82E-07	0.00E+00	0.00E+00	1.08E-06	6.04E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8439	499488.51	3734087.84	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8440	499479.48	3734084.06	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
8441	499470.46	3734080.29	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8442	499461.43	3734076.51	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
8443	499452.41	3734072.73	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	5.56E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
8444	499443.39	3734068.95	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
8445	499434.36	3734065.17	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.63E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
8446	499425.34	3734061.4	3.5E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07

8447	499416.31	3734057.62	3.43E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
8448	499407.29	3734053.84	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	5.07E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
8449	499398.26	3734050.06	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
8450	499358.49	3734025.88	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	4.57E-08	9.01E-08	0.00E+00	0.00E+00	1.36E-07
8451	499354.81	3734016.82	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
8452	499351.13	3734007.75	3E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	4.51E-08	8.88E-08	0.00E+00	0.00E+00	1.34E-07
8453	499347.46	3733998.69	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
8454	499343.78	3733989.62	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	4.44E-08	8.75E-08	0.00E+00	0.00E+00	1.32E-07
8455	499340.1	3733980.56	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.91E-07	4.40E-08	8.68E-08	0.00E+00	0.00E+00	1.31E-07
8456	499321.72	3733935.23	2.8E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
8457	499318.04	3733926.16	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
8458	499314.36	3733917.09	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
8459	499310.69	3733908.03	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	4.08E-08	8.05E-08	0.00E+00	0.00E+00	1.21E-07
8460	499307.01	3733898.96	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	4.04E-08	7.96E-08	0.00E+00	0.00E+00	1.20E-07
8461	499303.33	3733889.9	2.65E-07	4.52E-07	0.00E+00	0.00E+00	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.52E-07	0.00E+00	0.00E+00	7.17E-07	4.00E-08	7.87E-08	0.00E+00	0.00E+00	1.19E-07
8462	499229.79	3733708.58	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.10E-08	0.00E+00	0.00E+00	9.19E-08
8463	499226.11	3733699.51	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
8464	499222.43	3733690.45	2E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.94E-08
8465	499218.75	3733681.38	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.81E-08
8466	499215.08	3733672.31	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
8467	499211.4	3733663.25	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
8468	499207.72	3733654.18	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.45E-08
8469	499204.05	3733645.12	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.53E-08	0.00E+00	0.00E+00	8.33E-08
8470	499167.27	3733554.46	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
8471	499858.51	3734242.74	5E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
8472	499868.33	3734242.76	5E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
8473	499878.16	3734242.78	5E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
8474	499887.98	3734242.8	5E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.52E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
8475	499897.8	3734242.82	5E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
8476	499907.63	3734242.84	5E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
8477	499917.45	3734242.86	4.99E-07	8.49E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.49E-07	0.00E+00	0.00E+00	1.35E-06	7.51E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
8478	499927.28	3734242.87	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.47E-07	0.00E+00	0.00E+00	1.35E-06	7.50E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
8479	499937.1	3734242.89	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	7.48E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
8480	499946.93	3734242.91	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	8.43E-07	0.00E+00	0.00E+00	1.34E-06	7.46E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
8481	499956.75	3734242.93	4.94E-07	8.40E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	8.40E-07	0.00E+00	0.00E+00	1.33E-06	7.43E-08	1.46E-07	0.00E+00	0.00E+00	2.21E-07
8482	499966.58	3734242.95	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	7.40E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
8483	499976.4	3734242.97	4.9E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.33E-07	0.00E+00	0.00E+00	1.32E-06	7.37E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
8484	499986.22	3734242.99	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.29E-07	0.00E+00	0.00E+00	1.32E-06	7.34E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
8485	499996.05	3734243.01	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	7.30E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
8486	500005.87	3734243.03	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.26E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8487	500015.7	3734243.05	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	7.21E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
8488	500025.52	3734243.07	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	7.16E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
8489	500035.35	3734243.09	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	7.11E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
8490	500045.17	3734243.11	4.69E-07	7.98E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-07	7.98E-07	0.00E+00	0.00E+00	1.27E-06	7.06E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
8491	500055	3734243.13	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	7.01E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
8492	500064.82	3734243.15	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	6.95E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
8493	500074.64	3734243.17	4.58E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.79E-07	0.00E+00	0.00E+00	1.24E-06	6.89E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
8494	500084.47	3734243.19	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	6.83E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
8495	500094.29	3734243.2	4.49E-07	7.65E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.65E-07	0.00E+00	0.00E+00	1.21E-06	6.77E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
8496	500104.12	3734243.22	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	6.70E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
8497	500113.94	3734243.24	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	6.63E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
8498	500123.77	3734243.26	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
8499	500133.59	3734243.28	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
8500	500143.41	3734243.3	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8501	500153.24	3734243.32	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	6.35E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
8502	500163.06	3734243.34	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	6.28E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
8503	500172.89	3734243.36	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	6.21E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
8504	500182.71	3734243.38	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
8505	499849.38	3734278.95	4.69E-07	7.99E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-07	7.99E-07	0.00E+00	0.00E+00	1.27E-06	7.06E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
8506	499840.33	3734275.16	4.71E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-07	8.03E-07	0.00E+00	0.00E+00	1.27E-06	7.10E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
8507	499831.29	3734271.38	4.74E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	7.13E-08	1.40E-07	0.00E+00	0.00E+00	2.12E-07
8508	499822.24	3734267.59	4.75E-07	8.09E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-07	8.09E-07	0.00E+00	0.00E+00	1.28E-06	7.16E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
8509	499813.19	3734263.8	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.42E-07	0.00E+00	0.00E+00	2.13E-07
8510	499804.15	3734260.01	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	7.21E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
8511	499795.1	3734256.23	4.8E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	7.22E-08	1.42E-07	0.00E+00	0.00E+00	2.15E-07
8512	499786.06	3734252.44	4.81E-07	8.18E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.18E-07	0.00E+00	0.00E+00	1.30E-06	7.24E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8513	499777.01	3734248.65	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8514	499767.96	3734244.87	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8515	499758.92	3734241.08	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.26E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
8516	499749.87	3734237.29	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.26E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8517	499740.82	3734233.5	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8518	499731.78	3734229.72	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	7.24E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
8519	499722.73	3734225.93	4.8E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	8.17E-07	0.00E+00	0.00E+00	1.30E-06	7.23E-08	1.42E-07	0.00E+00	0.00E+00	2.15E-07
8520	499713.68	3734222.14	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.16E-07	0.00E+00	0.00E+00	1.29E-06	7.21E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
8521	499704.64	3734218.35	4.78E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	7.19E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
8522	499695.59	3734214.57	4.76E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.11E-07	0.00E+00	0.00E+00	1.29E-06	7.17E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
8523	499686.54	3734210.78	4.74E-07	8.07E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-07	8.07E-07	0.00E+00	0.00E+00	1.28E-06	7.14E-08	1.41E-07	0.00E+00	0.00E+00	2.12E-07
8524	499677.5	3734206.99	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	7.11E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
8525	499668.45	3734203.21	4.7E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	7.07E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
8526	499659.4	3734199.42	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
8527	499650.36	3734195.63	4.65E-07	7.91E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	7.91E-07	0.00E+00	0.00E+00	1.26E-06	6.99E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
8528	499641.31	3734191.84	4.61E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	6.95E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
8529	499632.26	3734188.06	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	6.90E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
8530	499623.22	3734184.27	4.55E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	6.85E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
8531	499614.17	3734180.48	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8532	499605.12	3734176.69	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.61E-07	0.00E+00	0.00E+00	1.21E-06	6.73E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
8533	499596.08	3734172.91	4.43E-07	7.54E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	7.54E-07	0.00E+00	0.00E+00	1.20E-06	6.67E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
8534	499587.03	3734169.12	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	6.61E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
8535	499577.98	3734165.33	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
8536	499568.94	3734161.55	4.3E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
8537	499478.47	3734123.67	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	5.68E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8538	499469.42	3734119.89	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8539	499460.38	3734116.1	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.88E-07	5.51E-08	1.08E-07	0.00E+00	0.00E+00	1.64E-07
8540	499451.33	3734112.31	3.6E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
8541	499442.28	3734108.52	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8542	499433.24	3734104.74	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
8543	499424.19	3734100.95	3.42E-07	5.83E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.83E-07	0.00E+00	0.00E+00	9.25E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
8544	499415.14	3734097.16	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.98E-08	0.00E+00	0.00E+00	1.51E-07
8545	499406.1	3734093.37	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
8546	499360.86	3734074.44	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.55E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
8547	499351.82	3734070.65	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.01E-07	4.46E-08	8.79E-08	0.00E+00	0.00E+00	1.32E-07
8548	499342.77	3734066.86	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.38E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
8549	499330.04	3734053.99	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.27E-08	8.40E-08	0.00E+00	0.00E+00	1.27E-07
8550	499326.35	3734044.9	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.24E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
8551	499322.67	3734035.81	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
8552	499318.98	3734026.72	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.49E-07	4.17E-08	8.22E-08	0.00E+00	0.00E+00	1.24E-07
8553	499315.29	3734017.64	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.44E-07	4.14E-08	8.16E-08	0.00E+00	0.00E+00	1.23E-07
8554	499293.18	3733963.11	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
8555	499289.49	3733954.02	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	3.90E-08	7.67E-08	0.00E+00	0.00E+00	1.16E-07
8556	499285.8	3733944.93	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.86E-08	7.60E-08	0.00E+00	0.00E+00	1.15E-07
8557	499282.12	3733935.84	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
8558	499278.43	3733926.75	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.44E-08	0.00E+00	0.00E+00	1.12E-07
8559	499274.74	3733917.67	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
8560	499271.06	3733908.58	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	3.70E-08	7.29E-08	0.00E+00	0.00E+00	1.10E-07
8561	499197.33	3733726.81	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
8562	499193.65	3733717.72	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.45E-08
8563	499189.96	3733708.64	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	2.81E-08	5.53E-08	0.00E+00	0.00E+00	8.33E-08
8564	499186.27	3733699.55	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
8565	499182.59	3733690.46	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.11E-08
8566	499178.9	3733681.37	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.31E-08	0.00E+00	0.00E+00	8.00E-08
8567	499175.22	3733672.28	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.23E-08	0.00E+00	0.00E+00	7.89E-08
8568	499160.47	3733635.93	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.47E-08
8569	499127.29	3733554.14	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
8570	499123.61	3733545.05	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
8571	499858.43	3734282.74	4.67E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.38E-07	0.00E+00	0.00E+00	2.09E-07
8572	499868.25	3734282.76	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
8573	499878.08	3734282.78	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
8574	499887.9	3734282.8	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.38E-07	0.00E+00	0.00E+00	2.09E-07
8575	499897.73	3734282.82	4.67E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.94E-07	0.00E+00	0.00E+00	1.26E-06	7.02E-08	1.38E-07	0.00E+00	0.00E+00	2.09E-07
8576	499907.55	3734282.84	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	7.01E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07

8577	499917.37	3734282.86	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	7.92E-07	0.00E+00	0.00E+00	1.26E-06	7.00E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
8578	499927.2	3734282.87	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	6.99E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
8579	499937.02	3734282.89	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
8580	499946.85	3734282.91	4.61E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.86E-07	0.00E+00	0.00E+00	1.25E-06	6.95E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
8581	499956.67	3734282.93	4.6E-07	7.83E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	7.83E-07	0.00E+00	0.00E+00	1.24E-06	6.92E-08	1.36E-07	0.00E+00	0.00E+00	2.06E-07
8582	499966.5	3734282.95	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	6.90E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
8583	499976.32	3734282.97	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	6.87E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
8584	499986.15	3734282.99	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	6.83E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
8585	499995.97	3734283.01	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	6.80E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8586	500005.79	3734283.03	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	6.76E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
8587	500015.62	3734283.05	4.46E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	7.60E-07	0.00E+00	0.00E+00	1.21E-06	6.72E-08	1.32E-07	0.00E+00	0.00E+00	2.00E-07
8588	500025.44	3734283.07	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
8589	500035.27	3734283.09	4.4E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	6.63E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
8590	500045.09	3734283.11	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
8591	500054.92	3734283.13	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
8592	500064.74	3734283.15	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	6.48E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
8593	500074.56	3734283.17	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8594	500084.39	3734283.19	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	6.38E-08	1.26E-07	0.00E+00	0.00E+00	1.89E-07
8595	500094.21	3734283.2	4.2E-07	7.15E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.15E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
8596	500104.04	3734283.22	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	6.26E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
8597	500113.86	3734283.24	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	6.20E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
8598	500123.69	3734283.26	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	6.14E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
8599	500133.51	3734283.28	4.04E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.08E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8600	500143.34	3734283.3	4E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8601	500153.16	3734283.32	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
8602	500162.98	3734283.34	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	5.89E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
8603	500172.81	3734283.36	3.87E-07	6.58E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	6.58E-07	0.00E+00	0.00E+00	1.05E-06	5.82E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
8604	500182.63	3734283.38	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8605	499849.43	3734319	4.4E-07	7.48E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	7.48E-07	0.00E+00	0.00E+00	1.19E-06	6.62E-08	1.30E-07	0.00E+00	0.00E+00	1.97E-07
8606	499840.51	3734315.27	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	6.65E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
8607	499831.59	3734311.54	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
8608	499822.67	3734307.8	4.46E-07	7.59E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	7.59E-07	0.00E+00	0.00E+00	1.20E-06	6.71E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
8609	499813.75	3734304.07	4.47E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
8610	499804.83	3734300.33	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	6.76E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
8611	499795.91	3734296.6	4.5E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	6.78E-08	1.34E-07	0.00E+00	0.00E+00	2.01E-07
8612	499786.99	3734292.86	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8613	499778.07	3734289.13	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8614	499769.14	3734285.39	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	6.82E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8615	499760.22	3734281.66	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	6.82E-08	1.34E-07	0.00E+00	0.00E+00	2.03E-07
8616	499751.3	3734277.93	4.53E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	6.83E-08	1.34E-07	0.00E+00	0.00E+00	2.03E-07
8617	499742.38	3734274.19	4.53E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.72E-07	0.00E+00	0.00E+00	1.23E-06	6.83E-08	1.34E-07	0.00E+00	0.00E+00	2.03E-07
8618	499733.46	3734270.46	4.53E-07	7.72E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.72E-07	0.00E+00	0.00E+00	1.22E-06	6.82E-08	1.34E-07	0.00E+00	0.00E+00	2.03E-07
8619	499724.54	3734266.72	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	7.71E-07	0.00E+00	0.00E+00	1.22E-06	6.82E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8620	499715.62	3734262.99	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.70E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8621	499706.7	3734259.25	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.80E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
8622	499697.78	3734255.52	4.5E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.67E-07	0.00E+00	0.00E+00	1.22E-06	6.78E-08	1.34E-07	0.00E+00	0.00E+00	2.01E-07
8623	499688.86	3734251.78	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	6.76E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
8624	499679.94	3734248.05	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
8625	499671.02	3734244.32	4.46E-07	7.59E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	7.59E-07	0.00E+00	0.00E+00	1.20E-06	6.71E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
8626	499662.1	3734240.58	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
8627	499653.18	3734236.85	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	7.52E-07	0.00E+00	0.00E+00	1.19E-06	6.65E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
8628	499644.26	3734233.11	4.39E-07	7.48E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	7.48E-07	0.00E+00	0.00E+00	1.19E-06	6.62E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
8629	499635.34	3734229.38	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
8630	499626.42	3734225.64	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
8631	499617.5	3734221.91	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
8632	499608.58	3734218.17	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8633	499599.66	3734214.44	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	6.40E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8634	499590.74	3734210.71	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
8635	499581.82	3734206.97	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
8636	499572.9	3734203.24	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	6.23E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
8637	499563.98	3734199.5	4.1E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	6.17E-08	1.22E-07	0.00E+00	0.00E+00	1.83E-07
8638	499555.05	3734195.77	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.82E-07
8639	499546.13	3734192.03	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	6.05E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8640	499537.21	3734188.3	3.97E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	5.98E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
8641	499528.29	3734184.56	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8642	499519.37	3734180.83	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
8643	499510.45	3734177.1	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	5.78E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8644	499501.53	3734173.36	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.71E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8645	499492.61	3734169.63	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
8646	499483.69	3734165.89	3.69E-07	6.29E-07	0.00E+00	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.29E-07	0.00E+00	0.00E+00	9.98E-07	5.56E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
8647	499474.77	3734162.16	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
8648	499358.81	3734113.61	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	4.47E-08	8.81E-08	0.00E+00	0.00E+00	1.33E-07
8649	499349.89	3734109.88	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	4.39E-08	8.65E-08	0.00E+00	0.00E+00	1.30E-07
8650	499340.97	3734106.14	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
8651	499332.04	3734102.41	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
8652	499323.12	3734098.67	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
8653	499314.2	3734094.94	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.05E-08	0.00E+00	0.00E+00	1.21E-07
8654	499301.65	3734082.24	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.18E-07
8655	499298.01	3734073.28	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	3.96E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
8656	499294.38	3734064.32	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.94E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
8657	499290.74	3734055.36	2.59E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
8658	499287.11	3734046.4	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
8659	499283.47	3734037.43	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
8660	499279.84	3734028.47	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
8661	499258.03	3733974.7	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.08E-07
8662	499254.4	3733965.74	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
8663	499250.76	3733956.78	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.55E-08	7.00E-08	0.00E+00	0.00E+00	1.05E-07
8664	499247.13	3733947.82	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.31E-07	3.52E-08	6.93E-08	0.00E+00	0.00E+00	1.04E-07
8665	499243.49	3733938.86	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
8666	499239.86	3733929.9	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
8667	499218.05	3733876.13	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.22E-08	6.35E-08	0.00E+00	0.00E+00	9.57E-08
8668	499214.41	3733867.17	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.46E-08
8669	499210.78	3733858.21	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
8670	499163.52	3733741.71	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
8671	499159.89	3733732.75	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.21E-08	0.00E+00	0.00E+00	7.86E-08
8672	499156.25	3733723.78	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
8673	499152.62	3733714.82	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
8674	499148.98	3733705.86	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.01E-08	0.00E+00	0.00E+00	7.56E-08
8675	499127.18	3733652.09	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.64E-08	0.00E+00	0.00E+00	7.00E-08
8676	499119.91	3733634.17	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	2.30E-08	4.52E-08	0.00E+00	0.00E+00	6.82E-08
8677	499083.56	3733544.55	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.99E-08	0.00E+00	0.00E+00	6.01E-08
8678	499858.35	3734322.74	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
8679	499868.17	3734322.76	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
8680	499878	3734322.78	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
8681	499887.82	3734322.8	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.44E-07	0.00E+00	0.00E+00	1.18E-06	6.58E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
8682	499897.65	3734322.82	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
8683	499907.47	3734322.84	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.42E-07	0.00E+00	0.00E+00	1.18E-06	6.56E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
8684	499917.3	3734322.85	4.35E-07	7.40E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	7.40E-07	0.00E+00	0.00E+00	1.18E-06	6.55E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
8685	499927.12	3734322.87	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.53E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
8686	499936.94	3734322.89	4.33E-07	7.37E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-07	7.37E-07	0.00E+00	0.00E+00	1.17E-06	6.51E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
8687	499946.77	3734322.91	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.17E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
8688	499956.59	3734322.93	4.3E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.27E-07	0.00E+00	0.00E+00	1.92E-07
8689	499966.42	3734322.95	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8690	499976.24	3734322.97	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.26E-07	0.00E+00	0.00E+00	1.91E-07
8691	499986.07	3734322.99	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	6.39E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8692	499995.89	3734323.01	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	6.35E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
8693	500005.72	3734323.03	4.2E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
8694	500015.54	3734323.05	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	6.28E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
8695	500025.36	3734323.07	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	6.24E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
8696	500035.19	3734323.09	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	6.20E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
8697	500045.01	3734323.11	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.11E-06	6.16E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
8698	500054.84	3734323.13	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.91E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.82E-07
8699	500064.66	3734323.15	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
8700	500074.49	3734323.17	4E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8701	500084.31	3734323.18	3.97E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	5.97E-08	1.18E-07	0.00E+00	0.00E+00	1.77E-07
8702	500094.13	3734323.2	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8703	500103.96	3734323.22	3.9E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
8704	500113.78	3734323.24	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.82E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
8705	500123.61	3734323.26	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8706	500133.43	3734323.28	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.71E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07

8707	500143.26	3734323.3	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
8708	500153.08	3734323.32	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8709	500162.91	3734323.34	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.93E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8710	500172.73	3734323.36	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.83E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
8711	500182.55	3734323.38	3.6E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
8712	499849.32	3734358.99	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.22E-07	0.00E+00	0.00E+00	1.85E-07
8713	499840.38	3734355.25	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	6.25E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
8714	499831.43	3734351.5	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	7.10E-07	0.00E+00	0.00E+00	1.13E-06	6.28E-08	1.24E-07	0.00E+00	0.00E+00	1.86E-07
8715	499822.49	3734347.76	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
8716	499813.54	3734344.01	4.21E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
8717	499804.6	3734340.27	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	6.35E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
8718	499795.65	3734336.53	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	6.37E-08	1.26E-07	0.00E+00	0.00E+00	1.89E-07
8719	499786.71	3734332.78	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	6.39E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8720	499777.76	3734329.04	4.26E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.41E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8721	499768.82	3734325.29	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.26E-07	0.00E+00	0.00E+00	1.91E-07
8722	499759.87	3734321.55	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8723	499750.93	3734317.8	4.27E-07	7.28E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.28E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8724	499741.98	3734314.06	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8725	499733.04	3734310.31	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8726	499724.09	3734306.57	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8727	499715.15	3734302.82	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8728	499706.2	3734299.08	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
8729	499697.26	3734295.33	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	6.41E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8730	499688.31	3734291.59	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	6.40E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8731	499679.37	3734287.84	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	6.38E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
8732	499670.42	3734284.1	4.23E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	6.36E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
8733	499661.48	3734280.35	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
8734	499652.53	3734276.61	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
8735	499643.59	3734272.86	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
8736	499634.64	3734269.12	4.15E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.07E-07	0.00E+00	0.00E+00	1.12E-06	6.26E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
8737	499625.7	3734265.37	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
8738	499616.75	3734261.63	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
8739	499607.81	3734257.89	4.08E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	6.15E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
8740	499598.86	3734254.14	4.06E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8741	499589.92	3734250.4	4.03E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8742	499580.97	3734246.65	4E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8743	499572.03	3734242.91	3.96E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	5.97E-08	1.18E-07	0.00E+00	0.00E+00	1.77E-07
8744	499563.08	3734239.16	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8745	499554.14	3734235.42	3.9E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	5.86E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
8746	499545.19	3734231.67	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.14E-07	0.00E+00	0.00E+00	1.73E-07
8747	499536.25	3734227.93	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8748	499527.3	3734224.18	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8749	499518.36	3734220.44	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	5.64E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
8750	499509.41	3734216.69	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8751	499500.47	3734212.95	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.89E-07	5.51E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8752	499491.52	3734209.2	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
8753	499482.58	3734205.46	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.66E-07	5.38E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
8754	499473.63	3734201.71	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8755	499464.69	3734197.97	3.49E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
8756	499455.74	3734194.22	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
8757	499446.8	3734190.48	3.39E-07	5.78E-07	0.00E+00	0.00E+00	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.78E-07	0.00E+00	0.00E+00	9.17E-07	5.11E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
8758	499437.85	3734186.73	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.05E-07	5.04E-08	9.93E-08	0.00E+00	0.00E+00	1.50E-07
8759	499428.91	3734182.99	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	4.97E-08	9.79E-08	0.00E+00	0.00E+00	1.48E-07
8760	499419.96	3734179.25	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
8761	499411.02	3734175.5	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	4.83E-08	9.51E-08	0.00E+00	0.00E+00	1.43E-07
8762	499285.79	3734123.07	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	3.83E-08	7.55E-08	0.00E+00	0.00E+00	1.14E-07
8763	499273.2	3734110.34	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
8764	499262.26	3734083.38	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	3.66E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
8765	499258.62	3734074.4	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	3.64E-08	7.17E-08	0.00E+00	0.00E+00	1.08E-07
8766	499254.97	3734065.41	2.4E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
8767	499251.33	3734056.43	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.06E-08	0.00E+00	0.00E+00	1.06E-07
8768	499247.68	3734047.44	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.55E-08	7.00E-08	0.00E+00	0.00E+00	1.06E-07
8769	499244.04	3734038.45	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.33E-07	3.52E-08	6.94E-08	0.00E+00	0.00E+00	1.05E-07
8770	499222.17	3733984.54	2.22E-07	3.77E-07	0.00E+00	0.00E+00	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.77E-07	0.00E+00	0.00E+00	5.99E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.92E-08
8771	499218.52	3733975.55	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.93E-07	3.31E-08	6.51E-08	0.00E+00	0.00E+00	9.82E-08
8772	499214.88	3733966.56	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.72E-08
8773	499211.23	3733957.58	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
8774	499207.59	3733948.59	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
8775	499203.94	3733939.61	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.43E-08
8776	499200.3	3733930.62	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
8777	499182.08	3733885.69	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.83E-08
8778	499178.43	3733876.7	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
8779	499174.79	3733867.72	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.62E-08
8780	499171.14	3733858.73	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.65E-08	0.00E+00	0.00E+00	8.52E-08
8781	499123.76	3733741.91	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
8782	499120.11	3733732.92	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
8783	499116.47	3733723.94	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.09E-08
8784	499094.6	3733670.02	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.58E-08
8785	499090.95	3733661.03	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
8786	499087.31	3733652.05	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
8787	499043.57	3733544.21	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.55E-08
8788	499858.27	3734362.74	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
8789	499868.09	3734362.76	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
8790	499877.92	3734362.78	4.1E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.83E-07
8791	499887.74	3734362.8	4.1E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	6.98E-07	0.00E+00	0.00E+00	1.11E-06	6.17E-08	1.22E-07	0.00E+00	0.00E+00	1.83E-07
8792	499897.57	3734362.82	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.16E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
8793	499907.39	3734362.84	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.10E-06	6.15E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
8794	499917.22	3734362.85	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	6.14E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
8795	499927.04	3734362.87	4.07E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
8796	499936.87	3734362.89	4.06E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	6.11E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8797	499946.69	3734362.91	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	6.09E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8798	499956.51	3734362.93	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8799	499966.34	3734362.95	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	6.04E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8800	499976.16	3734362.97	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.01E-08	1.18E-07	0.00E+00	0.00E+00	1.79E-07
8801	499985.99	3734362.99	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	5.99E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
8802	499995.81	3734363.01	3.96E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
8803	500005.64	3734363.03	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8804	500015.46	3734363.05	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	5.89E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
8805	500025.28	3734363.07	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
8806	500035.11	3734363.09	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
8807	500044.93	3734363.11	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	5.78E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8808	500054.76	3734363.13	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8809	500064.58	3734363.15	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8810	500074.41	3734363.17	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
8811	500084.23	3734363.18	3.72E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	5.61E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8812	500094.06	3734363.2	3.69E-07	6.29E-07	0.00E+00	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.29E-07	0.00E+00	0.00E+00	9.98E-07	5.56E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
8813	500103.88	3734363.22	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.90E-07	5.51E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8814	500113.7	3734363.24	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
8815	500123.53	3734363.26	3.6E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
8816	500133.35	3734363.28	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
8817	500143.18	3734363.3	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8818	500153	3734363.32	3.5E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
8819	500162.83	3734363.34	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
8820	500172.65	3734363.36	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
8821	500182.48	3734363.38	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.17E-07	5.11E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
8822	499849.22	3734398.98	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
8823	499840.26	3734395.23	3.91E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.65E-07	0.00E+00	0.00E+00	1.06E-06	5.88E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
8824	499831.29	3734391.48	3.93E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	5.91E-08	1.16E-07	0.00E+00	0.00E+00	1.76E-07
8825	499822.32	3734387.72	3.94E-07	6.71E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	6.71E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8826	499813.35	3734383.97	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.74E-07	0.00E+00	0.00E+00	1.07E-06	5.96E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
8827	499804.39	3734380.21	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.07E-06	5.99E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
8828	499795.42	3734376.46	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	6.01E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
8829	499786.45	3734372.71	4E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.03E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8830	499777.48	3734368.95	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	6.04E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8831	499768.52	3734365.2	4.02E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.85E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8832	499759.55	3734361.44	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
8833	499750.58	3734357.69	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
8834	499741.61	3734353.93	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	6.08E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8835	499732.65	3734350.18	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	6.08E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8836	499723.68	3734346.43	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	6.09E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07

8837	499714.71	3734342.67	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.88E-07	0.00E+00	0.00E+00	1.09E-06	6.08E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8838	499705.74	3734338.92	4.04E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.08E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
8839	499696.78	3734335.16	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
8840	499687.81	3734331.41	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8841	499678.84	3734327.66	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	6.05E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
8842	499669.87	3734323.9	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	6.04E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8843	499660.91	3734320.15	4E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
8844	499651.94	3734316.39	3.99E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
8845	499642.97	3734312.64	3.97E-07	6.76E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	6.76E-07	0.00E+00	0.00E+00	1.07E-06	5.98E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
8846	499634	3734308.88	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
8847	499625.04	3734305.13	3.94E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	5.93E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
8848	499616.07	3734301.38	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
8849	499607.1	3734297.62	3.9E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.63E-07	0.00E+00	0.00E+00	1.05E-06	5.86E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
8850	499598.13	3734293.87	3.87E-07	6.59E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	6.59E-07	0.00E+00	0.00E+00	1.05E-06	5.83E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
8851	499589.17	3734290.11	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8852	499580.2	3734286.36	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8853	499571.23	3734282.61	3.79E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	5.71E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8854	499562.26	3734278.85	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
8855	499553.3	3734275.1	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
8856	499544.33	3734271.34	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8857	499535.36	3734267.59	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8858	499526.39	3734263.83	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.83E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
8859	499517.43	3734260.08	3.6E-07	6.14E-07	0.00E+00	0.00E+00	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.14E-07	0.00E+00	0.00E+00	9.74E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
8860	499508.46	3734256.33	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.64E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
8861	499499.49	3734252.57	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.55E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8862	499490.52	3734248.82	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.95E-07	0.00E+00	0.00E+00	9.44E-07	5.26E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
8863	499481.56	3734245.06	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	5.20E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
8864	499472.59	3734241.31	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.23E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
8865	499463.62	3734237.56	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.13E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
8866	499454.65	3734233.8	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	5.02E-08	9.90E-08	0.00E+00	0.00E+00	1.49E-07
8867	499445.69	3734230.05	3.3E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	4.96E-08	9.78E-08	0.00E+00	0.00E+00	1.47E-07
8868	499436.72	3734226.29	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.46E-07
8869	499427.75	3734222.54	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	4.84E-08	9.53E-08	0.00E+00	0.00E+00	1.44E-07
8870	499418.78	3734218.78	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.77E-08	9.40E-08	0.00E+00	0.00E+00	1.42E-07
8871	499409.82	3734215.03	3.13E-07	5.32E-07	0.00E+00	0.00E+00	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.32E-07	0.00E+00	0.00E+00	8.45E-07	4.71E-08	9.27E-08	0.00E+00	0.00E+00	1.40E-07
8872	499400.85	3734211.28	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
8873	499373.95	3734200.01	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	4.45E-08	8.76E-08	0.00E+00	0.00E+00	1.32E-07
8874	499364.98	3734196.26	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
8875	499356.01	3734192.51	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	4.31E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
8876	499347.04	3734188.75	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
8877	499338.08	3734185	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
8878	499329.11	3734181.24	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.11E-08	0.00E+00	0.00E+00	1.22E-07
8879	499320.14	3734177.49	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
8880	499311.17	3734173.73	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
8881	499302.21	3734169.98	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
8882	499293.24	3734166.23	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.85E-08	7.59E-08	0.00E+00	0.00E+00	1.14E-07
8883	499230.13	3734102.41	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
8884	499226.48	3734093.4	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
8885	499222.82	3734084.39	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	3.37E-08	6.64E-08	0.00E+00	0.00E+00	1.00E-07
8886	499219.17	3734075.39	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.93E-08
8887	499215.51	3734066.38	2.2E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	3.32E-08	6.53E-08	0.00E+00	0.00E+00	9.85E-08
8888	499211.86	3734057.37	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
8889	499189.94	3734003.32	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.25E-08
8890	499186.28	3733994.31	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.08E-08	0.00E+00	0.00E+00	9.17E-08
8891	499182.63	3733985.3	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.02E-08	0.00E+00	0.00E+00	9.08E-08
8892	499178.97	3733976.29	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.03E-08	5.96E-08	0.00E+00	0.00E+00	8.99E-08
8893	499175.32	3733967.28	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
8894	499171.67	3733958.27	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.96E-08	5.84E-08	0.00E+00	0.00E+00	8.80E-08
8895	499168.01	3733949.26	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.93E-08	5.78E-08	0.00E+00	0.00E+00	8.71E-08
8896	499146.09	3733895.21	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
8897	499142.43	3733886.2	1.8E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
8898	499138.78	3733877.19	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.69E-08	5.29E-08	0.00E+00	0.00E+00	7.98E-08
8899	499135.13	3733868.18	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.23E-08	0.00E+00	0.00E+00	7.89E-08
8900	499131.47	3733859.18	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.62E-08	5.17E-08	0.00E+00	0.00E+00	7.79E-08
8901	499065.7	3733697.02	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.28E-08
8902	499062.04	3733688.01	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.21E-08
8903	499058.39	3733679	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.34E-07	0.00E+00	0.00E+00	3.71E-07	2.07E-08	4.07E-08	0.00E+00	0.00E+00	6.13E-08
8904	499054.74	3733669.99	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
8905	499051.08	3733660.98	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.97E-08	0.00E+00	0.00E+00	5.99E-08
8906	499047.43	3733651.97	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
8907	499010.89	3733561.89	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.27E-08
8908	499003.58	3733543.87	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
8909	499858.19	3734402.74	3.86E-07	6.58E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.58E-07	0.00E+00	0.00E+00	1.04E-06	5.82E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
8910	499868.02	3734402.76	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
8911	499877.84	3734402.78	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.14E-07	0.00E+00	0.00E+00	1.73E-07
8912	499887.66	3734402.8	3.85E-07	6.56E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.56E-07	0.00E+00	0.00E+00	1.04E-06	5.80E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8913	499897.49	3734402.82	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8914	499907.31	3734402.84	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	5.78E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
8915	499917.14	3734402.85	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.04E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
8916	499926.96	3734402.87	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8917	499936.79	3734402.89	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8918	499946.61	3734402.91	3.8E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8919	499956.43	3734402.93	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8920	499966.26	3734402.95	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.42E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8921	499976.08	3734402.97	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
8922	499985.91	3734402.99	3.73E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
8923	499995.73	3734403.01	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8924	500005.56	3734403.03	3.7E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	5.56E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
8925	500015.38	3734403.05	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.93E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8926	500025.21	3734403.07	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
8927	500035.03	3734403.09	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
8928	500044.85	3734403.11	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
8929	500054.68	3734403.13	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	5.39E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
8930	500064.5	3734403.15	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
8931	500074.33	3734403.17	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8932	500084.15	3734403.18	3.5E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
8933	500093.98	3734403.2	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
8934	500103.8	3734403.22	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
8935	500113.63	3734403.24	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
8936	500123.45	3734403.26	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	5.11E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
8937	500133.27	3734403.28	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	5.06E-08	9.97E-08	0.00E+00	0.00E+00	1.50E-07
8938	500143.1	3734403.3	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.01E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
8939	500152.92	3734403.32	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	4.97E-08	9.79E-08	0.00E+00	0.00E+00	1.48E-07
8940	500162.75	3734403.34	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.69E-08	0.00E+00	0.00E+00	1.46E-07
8941	500172.57	3734403.36	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
8942	500182.4	3734403.38	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	4.83E-08	9.51E-08	0.00E+00	0.00E+00	1.43E-07
8943	499849.12	3734438.98	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.90E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8944	499840.14	3734435.21	3.69E-07	6.27E-07	0.00E+00	0.00E+00	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.27E-07	0.00E+00	0.00E+00	9.96E-07	5.55E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
8945	499831.15	3734431.45	3.7E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8946	499822.16	3734427.69	3.72E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8947	499813.17	3734423.92	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
8948	499804.18	3734420.16	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
8949	499795.2	3734416.4	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
8950	499786.21	3734412.64	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8951	499777.22	3734408.87	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.71E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8952	499768.23	3734405.11	3.8E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8953	499759.24	3734401.35	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	5.73E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8954	499750.26	3734397.59	3.82E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8955	499741.27	3734393.82	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8956	499732.28	3734390.06	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8957	499723.29	3734386.3	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
8958	499714.3	3734382.53	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.52E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
8959	499705.31	3734378.77	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
8960	499696.33	3734375.01	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8961	499687.34	3734371.25	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8962	499678.35	3734367.48	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.50E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
8963	499669.36	3734363.72	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	5.73E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8964	499660.37	3734359.96	3.8E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
8965	499651.39	3734356.19	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.45E-07	0.00E+00	0.00E+00	1.02E-06	5.71E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
8966	499642.4	3734352.43	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07

8967	499633.41	3734348.67	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.41E-07	0.00E+00	0.00E+00	1.02E-06	5.67E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
8968	499624.42	3734344.91	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.39E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
8969	499615.43	3734341.14	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
8970	499606.45	3734337.38	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
8971	499597.46	3734333.62	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
8972	499588.47	3734329.86	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	5.54E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
8973	499579.48	3734326.09	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.23E-07	0.00E+00	0.00E+00	9.88E-07	5.51E-08	1.08E-07	0.00E+00	0.00E+00	1.64E-07
8974	499570.49	3734322.33	3.63E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
8975	499561.51	3734318.57	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
8976	499552.52	3734314.8	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
8977	499543.53	3734311.04	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
8978	499534.54	3734307.28	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.01E-07	0.00E+00	0.00E+00	9.54E-07	5.31E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
8979	499525.55	3734303.52	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
8980	499516.57	3734299.75	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.38E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
8981	499507.58	3734295.99	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
8982	499498.59	3734292.23	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
8983	499489.6	3734288.46	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.12E-07	5.08E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
8984	499480.61	3734284.7	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	5.03E-08	9.91E-08	0.00E+00	0.00E+00	1.49E-07
8985	499471.63	3734280.94	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
8986	499462.64	3734277.18	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	4.92E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
8987	499453.65	3734273.41	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	4.87E-08	9.59E-08	0.00E+00	0.00E+00	1.45E-07
8988	499444.66	3734269.65	3.2E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	4.82E-08	9.49E-08	0.00E+00	0.00E+00	1.43E-07
8989	499435.67	3734265.89	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	4.76E-08	9.37E-08	0.00E+00	0.00E+00	1.41E-07
8990	499426.68	3734262.13	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.32E-07	0.00E+00	0.00E+00	8.44E-07	4.70E-08	9.26E-08	0.00E+00	0.00E+00	1.40E-07
8991	499417.7	3734258.36	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.34E-07	4.64E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
8992	499408.71	3734254.6	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.23E-07	4.59E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
8993	499372.76	3734239.55	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.80E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
8994	499363.77	3734235.79	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	4.29E-08	8.45E-08	0.00E+00	0.00E+00	1.27E-07
8995	499354.78	3734232.02	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	4.23E-08	8.33E-08	0.00E+00	0.00E+00	1.26E-07
8996	499345.79	3734228.26	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
8997	499336.8	3734224.5	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.10E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
8998	499327.82	3734220.74	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	4.04E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
8999	499318.83	3734216.97	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
9000	499309.84	3734213.21	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.73E-08	0.00E+00	0.00E+00	1.16E-07
9001	499300.85	3734209.45	2.56E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
9002	499291.86	3734205.68	2.52E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	3.80E-08	7.49E-08	0.00E+00	0.00E+00	1.13E-07
9003	499282.88	3734201.92	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
9004	499273.89	3734198.16	2.45E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
9005	499264.9	3734194.4	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.08E-07
9006	499255.91	3734190.63	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.02E-08	0.00E+00	0.00E+00	1.06E-07
9007	499246.92	3734186.87	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
9008	499237.94	3734183.11	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
9009	499228.95	3734179.34	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.67E-08	0.00E+00	0.00E+00	1.01E-07
9010	499216.3	3734166.55	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
9011	499194.32	3734112.38	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
9012	499190.66	3734103.35	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
9013	499187	3734094.32	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.53E-07	0.00E+00	0.00E+00	5.61E-07	3.13E-08	6.16E-08	0.00E+00	0.00E+00	9.29E-08
9014	499183.34	3734085.29	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
9015	499179.67	3734076.26	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.08E-08	6.06E-08	0.00E+00	0.00E+00	9.13E-08
9016	499176.01	3734067.23	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
9017	499157.7	3734022.08	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	2.92E-08	5.74E-08	0.00E+00	0.00E+00	8.66E-08
9018	499154.04	3734013.05	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.58E-08
9019	499150.37	3734004.02	1.9E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.49E-08
9020	499146.71	3733994.99	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
9021	499143.05	3733985.96	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.33E-08
9022	499139.39	3733976.93	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.24E-08
9023	499135.72	3733967.91	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
9024	499113.75	3733913.73	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.65E-08
9025	499110.09	3733904.7	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
9026	499106.42	3733895.67	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.48E-08
9027	499102.76	3733886.64	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.91E-08	0.00E+00	0.00E+00	7.40E-08
9028	499099.1	3733877.61	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.32E-08
9029	499095.44	3733868.58	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.23E-08
9030	499091.77	3733859.55	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.74E-08	0.00E+00	0.00E+00	7.15E-08
9031	499029.51	3733706.05	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
9032	499025.85	3733697.02	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.85E-08	0.00E+00	0.00E+00	5.80E-08
9033	499022.19	3733687.99	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
9034	499018.53	3733678.96	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.67E-08
9035	499014.86	3733669.93	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.89E-08	3.71E-08	0.00E+00	0.00E+00	5.60E-08
9036	498978.24	3733579.64	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
9037	498970.92	3733561.58	1.1E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
9038	498967.25	3733552.55	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
9039	498963.59	3733543.52	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.90E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
9040	499858.11	3734442.74	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9041	499867.94	3734442.76	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9042	499877.76	3734442.78	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.83E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9043	499887.58	3734442.8	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
9044	499897.41	3734442.82	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
9045	499907.23	3734442.84	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
9046	499917.06	3734442.85	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
9047	499926.88	3734442.87	3.6E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.13E-07	0.00E+00	0.00E+00	9.73E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
9048	499936.71	3734442.89	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
9049	499946.53	3734442.91	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.66E-07	5.38E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
9050	499956.36	3734442.93	3.56E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
9051	499966.18	3734442.95	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.59E-07	5.34E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
9052	499976	3734442.97	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	6.02E-07	0.00E+00	0.00E+00	9.55E-07	5.32E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
9053	499985.83	3734442.99	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.50E-07	5.30E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
9054	499995.65	3734443.01	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
9055	500005.48	3734443.03	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9056	500015.3	3734443.05	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9057	500025.13	3734443.07	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9058	500034.95	3734443.09	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
9059	500044.78	3734443.11	3.4E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
9060	500054.6	3734443.13	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.12E-07	5.08E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
9061	500064.42	3734443.15	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.95E-08	0.00E+00	0.00E+00	1.50E-07
9062	500074.25	3734443.17	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.01E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
9063	500084.07	3734443.18	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	4.98E-08	9.80E-08	0.00E+00	0.00E+00	1.48E-07
9064	500093.9	3734443.2	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.73E-08	0.00E+00	0.00E+00	1.47E-07
9065	500103.72	3734443.22	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.46E-07
9066	500113.55	3734443.24	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	4.86E-08	9.58E-08	0.00E+00	0.00E+00	1.44E-07
9067	500123.37	3734443.26	3.2E-07	5.45E-07	0.00E+00	0.00E+00	8.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.45E-07	0.00E+00	0.00E+00	8.65E-07	4.82E-08	9.50E-08	0.00E+00	0.00E+00	1.43E-07
9068	500133.2	3734443.28	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
9069	500143.02	3734443.3	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	4.74E-08	9.34E-08	0.00E+00	0.00E+00	1.41E-07
9070	500152.84	3734443.32	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.43E-07	4.70E-08	9.25E-08	0.00E+00	0.00E+00	1.40E-07
9071	500162.67	3734443.34	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	4.65E-08	9.17E-08	0.00E+00	0.00E+00	1.38E-07
9072	500172.49	3734443.36	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.08E-08	0.00E+00	0.00E+00	1.37E-07
9073	500182.32	3734443.38	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
9074	499849.08	3734474.7	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9075	499840.11	3734470.95	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
9076	499831.14	3734467.19	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.52E-07	5.30E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
9077	499822.18	3734463.44	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
9078	499813.21	3734459.69	3.55E-07	6.05E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.05E-07	0.00E+00	0.00E+00	9.61E-07	5.35E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
9079	499804.25	3734455.93	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.65E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
9080	499795.28	3734452.18	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	5.39E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
9081	499786.31	3734448.42	3.6E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	5.41E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
9082	499777.35	3734444.67	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
9083	499768.38	3734440.92	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.77E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
9084	499759.42	3734437.16	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.17E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
9085	499750.45	3734433.41	3.63E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
9086	499741.48	3734429.66	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9087	499732.52	3734425.9	3.65E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.20E-07	0.00E+00	0.00E+00	9.85E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9088	499723.55	3734422.15	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9089	499714.59	3734418.4	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9090	499705.62	3734414.64	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9091	499696.66	3734410.89	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9092	499687.69	3734407.14	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9093	499678.72	3734403.38	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.85E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9094	499669.76	3734399.63	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9095	499660.79	3734395.88	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.19E-07	0.00E+00	0.00E+00	9.82E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
9096	499651.83	3734392.12	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.80E-07	5.46E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07

9097	499642.86	3734388.37	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
9098	499633.89	3734384.62	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
9099	499624.93	3734380.86	3.6E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
9100	499615.96	3734377.11	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.69E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
9101	499607	3734373.35	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.65E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
9102	499598.03	3734369.6	3.55E-07	6.05E-07	0.00E+00	0.00E+00	9.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.05E-07	0.00E+00	0.00E+00	9.60E-07	5.35E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
9103	499589.06	3734365.85	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.02E-07	0.00E+00	0.00E+00	9.56E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
9104	499580.1	3734362.09	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	5.30E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
9105	499571.13	3734358.34	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.46E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
9106	499562.17	3734354.59	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9107	499553.2	3734350.83	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.34E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9108	499544.24	3734347.08	3.43E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9109	499535.27	3734343.33	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
9110	499526.3	3734339.57	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
9111	499517.34	3734335.82	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	5.06E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
9112	499508.37	3734332.07	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.02E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
9113	499499.41	3734328.31	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.93E-07	4.97E-08	9.80E-08	0.00E+00	0.00E+00	1.48E-07
9114	499490.44	3734324.56	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
9115	499481.47	3734320.81	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	4.89E-08	9.62E-08	0.00E+00	0.00E+00	1.45E-07
9116	499472.51	3734317.05	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	4.84E-08	9.53E-08	0.00E+00	0.00E+00	1.44E-07
9117	499463.54	3734313.3	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
9118	499454.58	3734309.55	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	4.74E-08	9.34E-08	0.00E+00	0.00E+00	1.41E-07
9119	499445.61	3734305.79	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.42E-07	4.69E-08	9.25E-08	0.00E+00	0.00E+00	1.39E-07
9120	499436.64	3734302.04	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.15E-08	0.00E+00	0.00E+00	1.38E-07
9121	499427.68	3734298.29	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
9122	499418.71	3734294.53	3.02E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
9123	499409.75	3734290.78	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.84E-08	0.00E+00	0.00E+00	1.33E-07
9124	499364.92	3734272.01	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
9125	499355.95	3734268.26	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
9126	499346.99	3734264.5	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.10E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
9127	499338.02	3734260.75	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
9128	499329.05	3734257	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.19E-07
9129	499320.09	3734253.24	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.94E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
9130	499311.12	3734249.49	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
9131	499302.16	3734245.74	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	3.82E-08	7.53E-08	0.00E+00	0.00E+00	1.14E-07
9132	499293.19	3734241.98	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
9133	499284.22	3734238.23	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
9134	499275.26	3734234.48	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	3.65E-08	7.20E-08	0.00E+00	0.00E+00	1.09E-07
9135	499266.29	3734230.72	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
9136	499257.33	3734226.97	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	3.54E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
9137	499248.36	3734223.22	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
9138	499239.39	3734219.46	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
9139	499230.43	3734215.71	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	3.38E-08	6.65E-08	0.00E+00	0.00E+00	1.00E-07
9140	499221.46	3734211.96	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
9141	499212.5	3734208.2	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.71E-08
9142	499203.53	3734204.45	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.55E-08
9143	499190.91	3734191.69	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.34E-08
9144	499154.38	3734101.62	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
9145	499150.72	3734092.61	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.62E-08
9146	499147.07	3734083.6	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.55E-08
9147	499128.8	3734038.57	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.42E-08	0.00E+00	0.00E+00	8.17E-08
9148	499125.15	3734029.56	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.73E-08	5.37E-08	0.00E+00	0.00E+00	8.10E-08
9149	499121.5	3734020.55	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.02E-08
9150	499117.84	3734011.54	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.27E-08	0.00E+00	0.00E+00	7.94E-08
9151	499114.19	3734002.54	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.87E-08
9152	499110.54	3733993.53	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.62E-08	5.17E-08	0.00E+00	0.00E+00	7.79E-08
9153	499106.88	3733984.52	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
9154	499084.96	3733930.48	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
9155	499081.31	3733921.47	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
9156	499077.66	3733912.47	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
9157	499074	3733903.46	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
9158	499070.35	3733894.45	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.33E-08	4.60E-08	0.00E+00	0.00E+00	6.93E-08
9159	499008.24	3733741.33	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.72E-08
9160	499004.59	3733732.32	1.27E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.15E-07	0.00E+00	0.00E+00	3.42E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.66E-08
9161	499000.94	3733723.32	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
9162	498997.28	3733714.31	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
9163	498993.63	3733705.3	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
9164	498989.98	3733696.29	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
9165	498986.32	3733687.29	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
9166	498982.67	3733678.28	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
9167	498979.02	3733669.27	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
9168	498942.48	3733579.2	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
9169	498935.18	3733561.19	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
9170	498931.52	3733552.18	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.55E-08
9171	498927.87	3733543.17	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
9172	499858.04	3734478.45	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	5.22E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9173	499867.87	3734478.47	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9174	499877.69	3734478.49	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	5.20E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9175	499887.51	3734478.51	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9176	499897.34	3734478.53	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.31E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9177	499907.16	3734478.55	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9178	499916.99	3734478.57	3.43E-07	5.84E-07	0.00E+00	0.00E+00	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.84E-07	0.00E+00	0.00E+00	9.26E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
9179	499926.81	3734478.59	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
9180	499936.64	3734478.61	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.21E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
9181	499946.46	3734478.63	3.4E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	5.11E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
9182	499956.29	3734478.65	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
9183	499966.11	3734478.67	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
9184	499975.93	3734478.69	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.95E-08	0.00E+00	0.00E+00	1.50E-07
9185	499985.76	3734478.7	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	5.03E-08	9.91E-08	0.00E+00	0.00E+00	1.49E-07
9186	499995.58	3734478.72	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.00E-08	9.86E-08	0.00E+00	0.00E+00	1.49E-07
9187	500005.41	3734478.74	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
9188	500015.23	3734478.76	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.88E-07	4.95E-08	9.75E-08	0.00E+00	0.00E+00	1.47E-07
9189	500025.06	3734478.78	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
9190	500034.88	3734478.8	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
9191	500044.7	3734478.82	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	4.86E-08	9.58E-08	0.00E+00	0.00E+00	1.44E-07
9192	500054.53	3734478.84	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	4.83E-08	9.52E-08	0.00E+00	0.00E+00	1.43E-07
9193	500064.35	3734478.86	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.61E-07	4.80E-08	9.45E-08	0.00E+00	0.00E+00	1.43E-07
9194	500074.18	3734478.88	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	4.77E-08	9.39E-08	0.00E+00	0.00E+00	1.42E-07
9195	500084	3734478.9	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.49E-07	4.73E-08	9.32E-08	0.00E+00	0.00E+00	1.41E-07
9196	500093.83	3734478.92	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.43E-07	4.70E-08	9.25E-08	0.00E+00	0.00E+00	1.40E-07
9197	500103.65	3734478.94	3.1E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	4.66E-08	9.18E-08	0.00E+00	0.00E+00	1.38E-07
9198	500113.48	3734478.96	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	4.63E-08	9.11E-08	0.00E+00	0.00E+00	1.37E-07
9199	500123.3	3734478.98	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.04E-08	0.00E+00	0.00E+00	1.36E-07
9200	500133.12	3734479	3.02E-07	5.15E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.15E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.97E-08	0.00E+00	0.00E+00	1.35E-07
9201	500142.95	3734479.02	3E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	4.51E-08	8.89E-08	0.00E+00	0.00E+00	1.34E-07
9202	500152.77	3734479.03	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
9203	500162.6	3734479.05	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.96E-07	4.44E-08	8.74E-08	0.00E+00	0.00E+00	1.32E-07
9204	500172.42	3734479.07	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	4.40E-08	8.66E-08	0.00E+00	0.00E+00	1.31E-07
9205	500182.25	3734479.09	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.93E-07	0.00E+00	0.00E+00	7.82E-07	4.36E-08	8.58E-08	0.00E+00	0.00E+00	1.29E-07
9206	499849.03	3734510.42	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
9207	499840.08	3734506.68	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	5.02E-08	9.89E-08	0.00E+00	0.00E+00	1.49E-07
9208	499831.13	3734502.93	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.94E-08	0.00E+00	0.00E+00	1.50E-07
9209	499822.19	3734499.19	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
9210	499813.24	3734495.44	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
9211	499804.3	3734491.7	3.4E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
9212	499795.35	3734487.95	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
9213	499786.41	3734484.21	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
9214	499777.46	3734480.46	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.29E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9215	499768.52	3734476.72	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9216	499759.57	3734472.97	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	5.20E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9217	499750.63	3734469.23	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	5.22E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9218	499741.68	3734465.48	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.38E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9219	499732.73	3734461.74	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9220	499723.79	3734457.99	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9221	499714.84	3734454.25	3.49E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9222	499705.9	3734450.5	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9223	499696.95	3734446.76	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9224	499688.01	3734443.01	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9225	499679.06	3734439.27	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.42E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9226	499670.12	3734435.52	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.42E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07

9227	499661.17	3734431.78	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
9228	499652.23	3734428.03	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.91E-07	0.00E+00	0.00E+00	9.39E-07	5.23E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9229	499643.28	3734424.29	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.37E-07	5.22E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9230	499634.33	3734420.54	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.35E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
9231	499625.39	3734416.8	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9232	499616.44	3734413.05	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
9233	499607.5	3734409.31	3.43E-07	5.84E-07	0.00E+00	0.00E+00	9.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.84E-07	0.00E+00	0.00E+00	9.27E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
9234	499598.55	3734405.56	3.42E-07	5.81E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.81E-07	0.00E+00	0.00E+00	9.23E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
9235	499589.61	3734401.82	3.4E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
9236	499580.66	3734398.07	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
9237	499571.72	3734394.33	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.11E-07	5.07E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
9238	499562.77	3734390.58	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.94E-08	0.00E+00	0.00E+00	1.50E-07
9239	499553.83	3734386.84	3.33E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	5.02E-08	9.89E-08	0.00E+00	0.00E+00	1.49E-07
9240	499544.88	3734383.09	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.83E-08	0.00E+00	0.00E+00	1.48E-07
9241	499535.93	3734379.35	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.77E-08	0.00E+00	0.00E+00	1.47E-07
9242	499526.99	3734375.6	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
9243	499518.04	3734371.86	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
9244	499509.1	3734368.11	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	4.86E-08	9.57E-08	0.00E+00	0.00E+00	1.44E-07
9245	499500.15	3734364.37	3.2E-07	5.45E-07	0.00E+00	0.00E+00	8.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.45E-07	0.00E+00	0.00E+00	8.65E-07	4.82E-08	9.49E-08	0.00E+00	0.00E+00	1.43E-07
9246	499491.21	3734360.62	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
9247	499482.26	3734356.88	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	4.74E-08	9.34E-08	0.00E+00	0.00E+00	1.41E-07
9248	499473.32	3734353.13	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.44E-07	4.70E-08	9.26E-08	0.00E+00	0.00E+00	1.40E-07
9249	499464.37	3734349.39	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	4.66E-08	9.18E-08	0.00E+00	0.00E+00	1.38E-07
9250	499455.43	3734345.65	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	4.62E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
9251	499446.48	3734341.9	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	4.57E-08	9.01E-08	0.00E+00	0.00E+00	1.36E-07
9252	499437.53	3734338.16	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.34E-07
9253	499428.59	3734334.41	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.04E-07	4.48E-08	8.83E-08	0.00E+00	0.00E+00	1.33E-07
9254	499419.64	3734330.67	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
9255	499410.7	3734326.92	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
9256	499365.97	3734308.2	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
9257	499357.03	3734304.45	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.05E-08	0.00E+00	0.00E+00	1.21E-07
9258	499348.08	3734300.71	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.25E-07	4.04E-08	7.95E-08	0.00E+00	0.00E+00	1.20E-07
9259	499339.13	3734296.96	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.15E-07	3.99E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07
9260	499330.19	3734293.22	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
9261	499321.24	3734289.47	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
9262	499312.3	3734285.73	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
9263	499303.35	3734281.98	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.44E-08	0.00E+00	0.00E+00	1.12E-07
9264	499294.41	3734278.24	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
9265	499285.46	3734274.49	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
9266	499276.52	3734270.75	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.07E-07
9267	499267.57	3734267	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.40E-07	3.57E-08	7.03E-08	0.00E+00	0.00E+00	1.06E-07
9268	499258.63	3734263.26	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
9269	499249.68	3734259.51	2.3E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
9270	499240.73	3734255.77	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
9271	499231.79	3734252.02	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
9272	499222.84	3734248.28	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
9273	499213.9	3734244.53	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	3.26E-08	6.42E-08	0.00E+00	0.00E+00	9.68E-08
9274	499204.95	3734240.79	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.52E-08
9275	499196.01	3734237.04	2.1E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.38E-08
9276	499187.06	3734233.3	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.58E-07	3.11E-08	6.12E-08	0.00E+00	0.00E+00	9.23E-08
9277	499178.12	3734229.55	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.02E-08	0.00E+00	0.00E+00	9.08E-08
9278	499165.53	3734216.82	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.88E-08
9279	499140.01	3734153.91	1.89E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
9280	499118.14	3734100	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
9281	499099.92	3734055.06	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.13E-08	0.00E+00	0.00E+00	7.73E-08
9282	499096.27	3734046.08	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
9283	499092.63	3734037.09	1.7E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
9284	499088.98	3734028.1	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
9285	499085.34	3734019.12	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.44E-08
9286	499081.69	3734010.13	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
9287	499063.46	3733965.2	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
9288	499059.82	3733956.21	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
9289	499056.17	3733947.22	1.54E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.87E-08
9290	499052.53	3733938.24	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.79E-08
9291	499048.88	3733929.25	1.5E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.46E-08	0.00E+00	0.00E+00	6.72E-08
9292	499045.24	3733920.26	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
9293	499041.59	3733911.28	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.36E-08	0.00E+00	0.00E+00	6.58E-08
9294	498972.34	3733740.53	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
9295	498968.69	3733731.54	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.28E-08
9296	498965.05	3733722.56	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
9297	498961.4	3733713.57	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
9298	498957.76	3733704.58	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.12E-08
9299	498954.11	3733695.6	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
9300	498950.47	3733686.61	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
9301	498946.82	3733677.62	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
9302	498943.18	3733668.64	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
9303	498906.73	3733578.77	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
9304	498899.44	3733560.8	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
9305	498895.79	3733551.81	9.6E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
9306	498892.15	3733542.83	9.5E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
9307	499857.97	3734514.17	3.3E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.61E-07	0.00E+00	0.00E+00	8.91E-07	4.97E-08	9.78E-08	0.00E+00	0.00E+00	1.47E-07
9308	499867.79	3734514.19	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.77E-08	0.00E+00	0.00E+00	1.47E-07
9309	499877.62	3734514.21	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	4.95E-08	9.76E-08	0.00E+00	0.00E+00	1.47E-07
9310	499887.44	3734514.22	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.74E-08	0.00E+00	0.00E+00	1.47E-07
9311	499897.27	3734514.24	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.72E-08	0.00E+00	0.00E+00	1.47E-07
9312	499907.09	3734514.26	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
9313	499916.92	3734514.28	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	4.91E-08	9.67E-08	0.00E+00	0.00E+00	1.46E-07
9314	499926.74	3734514.3	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
9315	499936.57	3734514.32	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	4.88E-08	9.61E-08	0.00E+00	0.00E+00	1.45E-07
9316	499946.39	3734514.34	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	4.86E-08	9.58E-08	0.00E+00	0.00E+00	1.44E-07
9317	499956.21	3734514.36	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.54E-08	0.00E+00	0.00E+00	1.44E-07
9318	499966.04	3734514.38	3.2E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	4.82E-08	9.50E-08	0.00E+00	0.00E+00	1.43E-07
9319	499975.86	3734514.4	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
9320	499985.69	3734514.42	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.58E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
9321	499995.51	3734514.44	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	4.76E-08	9.37E-08	0.00E+00	0.00E+00	1.41E-07
9322	500005.34	3734514.46	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	4.73E-08	9.33E-08	0.00E+00	0.00E+00	1.41E-07
9323	500015.16	3734514.48	3.13E-07	5.32E-07	0.00E+00	0.00E+00	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.32E-07	0.00E+00	0.00E+00	8.45E-07	4.71E-08	9.28E-08	0.00E+00	0.00E+00	1.40E-07
9324	500024.99	3734514.5	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	4.68E-08	9.22E-08	0.00E+00	0.00E+00	1.39E-07
9325	500034.81	3734514.52	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.36E-07	4.66E-08	9.17E-08	0.00E+00	0.00E+00	1.38E-07
9326	500044.63	3734514.54	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	4.63E-08	9.12E-08	0.00E+00	0.00E+00	1.37E-07
9327	500054.46	3734514.55	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	4.60E-08	9.06E-08	0.00E+00	0.00E+00	1.37E-07
9328	500064.28	3734514.57	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
9329	500074.11	3734514.59	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.94E-08	0.00E+00	0.00E+00	1.35E-07
9330	500083.93	3734514.61	2.99E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	4.51E-08	8.88E-08	0.00E+00	0.00E+00	1.34E-07
9331	500093.76	3734514.63	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
9332	500103.58	3734514.65	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	4.44E-08	8.75E-08	0.00E+00	0.00E+00	1.32E-07
9333	500113.41	3734514.67	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.91E-07	4.41E-08	8.69E-08	0.00E+00	0.00E+00	1.31E-07
9334	500123.23	3734514.69	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.38E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
9335	500133.05	3734514.71	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
9336	500142.88	3734514.73	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
9337	500152.7	3734514.75	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.66E-07	4.27E-08	8.41E-08	0.00E+00	0.00E+00	1.27E-07
9338	500162.53	3734514.77	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.23E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
9339	500172.35	3734514.79	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.53E-07	4.20E-08	8.27E-08	0.00E+00	0.00E+00	1.25E-07
9340	500182.18	3734514.81	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
9341	499830.78	3734538.53	3.2E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	4.81E-08	9.48E-08	0.00E+00	0.00E+00	1.43E-07
9342	499821.74	3734534.74	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.68E-07	4.84E-08	9.53E-08	0.00E+00	0.00E+00	1.44E-07
9343	499812.7	3734530.96	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.72E-07	4.86E-08	9.57E-08	0.00E+00	0.00E+00	1.44E-07
9344	499803.66	3734527.18	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	4.88E-08	9.62E-08	0.00E+00	0.00E+00	1.45E-07
9345	499794.62	3734523.39	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.66E-08	0.00E+00	0.00E+00	1.46E-07
9346	499785.58	3734519.61	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.69E-08	0.00E+00	0.00E+00	1.46E-07
9347	499776.54	3734515.82	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	4.94E-08	9.73E-08	0.00E+00	0.00E+00	1.47E-07
9348	499767.5	3734512.04	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	4.95E-08	9.76E-08	0.00E+00	0.00E+00	1.47E-07
9349	499758.47	3734508.25	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	4.97E-08	9.79E-08	0.00E+00	0.00E+00	1.48E-07
9350	499749.43	3734504.47	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
9351	499740.39	3734500.68	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
9352	499731.35	3734496.9	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.00E-08	9.86E-08	0.00E+00	0.00E+00	1.49E-07
9353	499722.31	3734493.12	3.33E-07	5.67E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	8.99E-07	5.01E-08	9.87E-08	0.00E+00	0.00E+00	1.49E-07
9354	499713.27	3734489.33	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.02E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
9355	499704.23	3734485.55	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	5.02E-08	9.89E-08	0.00E+00	0.00E+00	1.49E-07
9356	499695.19	3734481.76	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	5.02E-08	9.90E-08	0.00E+00	0.00E+00	1.49E-07

9357	499686.15	3734477.98	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	5.03E-08	9.90E-08	0.00E+00	0.00E+00	1.49E-07
9358	499677.11	3734474.19	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.02E-07	5.02E-08	9.90E-08	0.00E+00	0.00E+00	1.49E-07
9359	499668.07	3734470.41	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.68E-07	0.00E+00	0.00E+00	9.01E-07	5.02E-08	9.89E-08	0.00E+00	0.00E+00	1.49E-07
9360	499659.03	3734466.63	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.01E-07	5.02E-08	9.88E-08	0.00E+00	0.00E+00	1.49E-07
9361	499649.99	3734462.84	3.33E-07	5.67E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	8.99E-07	5.01E-08	9.87E-08	0.00E+00	0.00E+00	1.49E-07
9362	499640.95	3734459.06	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.00E-08	9.86E-08	0.00E+00	0.00E+00	1.49E-07
9363	499631.91	3734455.27	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
9364	499622.87	3734451.49	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.82E-08	0.00E+00	0.00E+00	1.48E-07
9365	499613.83	3734447.7	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	4.97E-08	9.79E-08	0.00E+00	0.00E+00	1.48E-07
9366	499604.79	3734443.92	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	4.95E-08	9.76E-08	0.00E+00	0.00E+00	1.47E-07
9367	499595.75	3734440.14	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.58E-07	0.00E+00	0.00E+00	8.86E-07	4.94E-08	9.73E-08	0.00E+00	0.00E+00	1.47E-07
9368	499586.71	3734436.35	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.83E-07	4.92E-08	9.69E-08	0.00E+00	0.00E+00	1.46E-07
9369	499577.67	3734432.57	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.46E-07
9370	499568.64	3734428.78	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	4.88E-08	9.61E-08	0.00E+00	0.00E+00	1.45E-07
9371	499559.6	3734425	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	4.86E-08	9.56E-08	0.00E+00	0.00E+00	1.44E-07
9372	499550.56	3734421.21	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	4.83E-08	9.52E-08	0.00E+00	0.00E+00	1.43E-07
9373	499541.52	3734417.43	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
9374	499532.48	3734413.65	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.78E-08	9.41E-08	0.00E+00	0.00E+00	1.42E-07
9375	499523.44	3734409.86	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	4.75E-08	9.35E-08	0.00E+00	0.00E+00	1.41E-07
9376	499514.4	3734406.08	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.47E-07	4.72E-08	9.29E-08	0.00E+00	0.00E+00	1.40E-07
9377	499505.36	3734402.29	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	4.68E-08	9.23E-08	0.00E+00	0.00E+00	1.39E-07
9378	499496.32	3734398.51	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	4.65E-08	9.16E-08	0.00E+00	0.00E+00	1.38E-07
9379	499487.28	3734394.72	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
9380	499478.24	3734390.94	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	4.58E-08	9.02E-08	0.00E+00	0.00E+00	1.36E-07
9381	499469.2	3734387.16	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
9382	499460.16	3734383.37	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.09E-07	4.51E-08	8.87E-08	0.00E+00	0.00E+00	1.34E-07
9383	499451.12	3734379.59	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	4.47E-08	8.80E-08	0.00E+00	0.00E+00	1.33E-07
9384	499442.08	3734375.8	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.31E-07
9385	499433.04	3734372.02	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.38E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
9386	499424	3734368.23	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
9387	499414.96	3734364.45	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.47E-08	0.00E+00	0.00E+00	1.28E-07
9388	499369.77	3734345.53	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
9389	499360.73	3734341.74	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.23E-07	4.03E-08	7.93E-08	0.00E+00	0.00E+00	1.20E-07
9390	499351.69	3734337.96	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	3.98E-08	7.84E-08	0.00E+00	0.00E+00	1.18E-07
9391	499342.65	3734334.18	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.74E-08	0.00E+00	0.00E+00	1.17E-07
9392	499333.61	3734330.39	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
9393	499324.57	3734326.61	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.88E-07	3.83E-08	7.55E-08	0.00E+00	0.00E+00	1.14E-07
9394	499315.53	3734322.82	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
9395	499306.49	3734319.04	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
9396	499297.45	3734315.25	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.26E-08	0.00E+00	0.00E+00	1.09E-07
9397	499288.41	3734311.47	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	3.64E-08	7.17E-08	0.00E+00	0.00E+00	1.08E-07
9398	499279.37	3734307.68	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
9399	499270.33	3734303.9	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
9400	499261.29	3734300.12	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
9401	499252.25	3734296.33	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
9402	499243.21	3734292.55	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
9403	499234.17	3734288.76	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.93E-08
9404	499225.13	3734284.98	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.78E-08
9405	499216.09	3734281.19	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.64E-08
9406	499207.05	3734277.41	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.30E-08	0.00E+00	0.00E+00	9.49E-08
9407	499198.01	3734273.63	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
9408	499188.97	3734269.84	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
9409	499179.94	3734266.06	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.07E-08
9410	499170.9	3734262.27	2E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	3.01E-08	5.92E-08	0.00E+00	0.00E+00	8.93E-08
9411	499161.86	3734258.49	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.31E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.79E-08
9412	499152.82	3734254.7	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	2.91E-08	5.74E-08	0.00E+00	0.00E+00	8.65E-08
9413	499140.09	3734241.84	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.46E-08
9414	499136.41	3734232.76	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
9415	499132.73	3734223.68	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.36E-08
9416	499129.04	3734214.6	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.30E-08
9417	499125.36	3734205.51	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
9418	499121.68	3734196.43	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.43E-08	0.00E+00	0.00E+00	8.19E-08
9419	499117.99	3734187.35	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.13E-08
9420	499114.31	3734178.27	1.81E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
9421	499110.63	3734169.19	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.84E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.01E-08
9422	499106.94	3734160.11	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.27E-08	0.00E+00	0.00E+00	7.95E-08
9423	499103.26	3734151.03	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.23E-08	0.00E+00	0.00E+00	7.89E-08
9424	499099.58	3734141.95	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
9425	499073.79	3734078.38	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
9426	499070.11	3734069.3	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.31E-08
9427	499066.43	3734060.22	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
9428	499062.74	3734051.14	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.17E-08
9429	499059.06	3734042.05	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
9430	499055.38	3734032.97	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.04E-08
9431	499033.28	3733978.49	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
9432	499029.59	3733969.41	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
9433	499025.91	3733960.32	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.49E-08
9434	499022.23	3733951.24	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
9435	499018.54	3733942.16	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
9436	499014.86	3733933.08	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.29E-08
9437	499011.18	3733924	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.22E-08
9438	498937.51	3733742.38	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.02E-08
9439	498933.82	3733733.3	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
9440	498930.14	3733724.22	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.91E-08
9441	498926.46	3733715.13	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
9442	498922.77	3733706.05	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
9443	498919.09	3733696.97	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
9444	498915.41	3733687.89	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.71E-08
9445	498911.72	3733678.81	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
9446	498908.04	3733669.73	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.62E-08
9447	498871.21	3733578.92	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
9448	498863.84	3733560.76	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
9449	498860.16	3733551.67	9.06E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.69E-08	0.00E+00	0.00E+00	4.05E-08
9450	498856.47	3733542.59	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
9451	499848.81	3734581.82	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
9452	499839.79	3734578.04	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
9453	499830.78	3734574.27	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.25E-07	4.59E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
9454	499821.76	3734570.49	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
9455	499812.74	3734566.72	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
9456	499803.72	3734562.94	3.1E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.27E-07	0.00E+00	0.00E+00	8.37E-07	4.66E-08	9.18E-08	0.00E+00	0.00E+00	1.38E-07
9457	499794.71	3734559.17	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	4.68E-08	9.22E-08	0.00E+00	0.00E+00	1.39E-07
9458	499740.6	3734536.52	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.77E-08	9.40E-08	0.00E+00	0.00E+00	1.42E-07
9459	499731.58	3734532.74	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.59E-07	4.78E-08	9.42E-08	0.00E+00	0.00E+00	1.42E-07
9460	499722.56	3734528.97	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
9461	499713.55	3734525.19	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.61E-07	4.80E-08	9.45E-08	0.00E+00	0.00E+00	1.43E-07
9462	499704.53	3734521.42	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.81E-08	9.47E-08	0.00E+00	0.00E+00	1.43E-07
9463	499695.51	3734517.64	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	4.81E-08	9.47E-08	0.00E+00	0.00E+00	1.43E-07
9464	499686.49	3734513.87	3.2E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	4.81E-08	9.48E-08	0.00E+00	0.00E+00	1.43E-07
9465	499677.48	3734510.09	3.2E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	4.81E-08	9.48E-08	0.00E+00	0.00E+00	1.43E-07
9466	499668.46	3734506.32	3.2E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.44E-07	0.00E+00	0.00E+00	8.64E-07	4.81E-08	9.48E-08	0.00E+00	0.00E+00	1.43E-07
9467	499659.44	3734502.54	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	4.81E-08	9.48E-08	0.00E+00	0.00E+00	1.43E-07
9468	499650.42	3734498.77	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.63E-07	4.81E-08	9.47E-08	0.00E+00	0.00E+00	1.43E-07
9469	499641.41	3734494.99	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
9470	499632.39	3734491.22	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.42E-07	0.00E+00	0.00E+00	8.60E-07	4.79E-08	9.44E-08	0.00E+00	0.00E+00	1.42E-07
9471	499623.37	3734487.44	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.59E-07	4.79E-08	9.43E-08	0.00E+00	0.00E+00	1.42E-07
9472	499614.35	3734483.67	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.78E-08	9.41E-08	0.00E+00	0.00E+00	1.42E-07
9473	499605.34	3734479.89	3.16E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	4.76E-08	9.38E-08	0.00E+00	0.00E+00	1.41E-07
9474	499596.32	3734476.12	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.36E-08	0.00E+00	0.00E+00	1.41E-07
9475	499587.3	3734472.34	3.15E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.35E-07	0.00E+00	0.00E+00	8.50E-07	4.74E-08	9.33E-08	0.00E+00	0.00E+00	1.41E-07
9476	499578.28	3734468.57	3.13E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	4.72E-08	9.30E-08	0.00E+00	0.00E+00	1.40E-07
9477	499569.27	3734464.79	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	5.31E-07	0.00E+00	0.00E+00	8.44E-07	4.70E-08	9.26E-08	0.00E+00	0.00E+00	1.40E-07
9478	499560.25	3734461.02	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.40E-07	4.68E-08	9.22E-08	0.00E+00	0.00E+00	1.39E-07
9479	499551.23	3734457.24	3.1E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	4.66E-08	9.18E-08	0.00E+00	0.00E+00	1.38E-07
9480	499542.21	3734453.46	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
9481	499533.19	3734449.69	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
9482	499524.18	3734445.91	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.04E-08	0.00E+00	0.00E+00	1.36E-07
9483	499515.16	3734442.14	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.56E-08	8.99E-08	0.00E+00	0.00E+00	1.35E-07
9484	499506.14	3734438.36	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	4.53E-08	8.93E-08	0.00E+00	0.00E+00	1.35E-07
9485	499497.12	3734434.59	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.09E-07	4.51E-08	8.88E-08	0.00E+00	0.00E+00	1.34E-07
9486	499488.11	3734430.81	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07

9487	499370.88	3734381.74	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.18E-07
9488	499361.86	3734377.96	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
9489	499352.84	3734374.19	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
9490	499343.82	3734370.41	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.60E-08	0.00E+00	0.00E+00	1.15E-07
9491	499334.81	3734366.64	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
9492	499325.79	3734362.86	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	3.77E-08	7.43E-08	0.00E+00	0.00E+00	1.12E-07
9493	499316.77	3734359.09	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
9494	499307.75	3734355.31	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
9495	499298.74	3734351.54	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	3.64E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
9496	499289.72	3734347.76	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
9497	499280.7	3734343.99	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.01E-07	0.00E+00	0.00E+00	6.36E-07	3.54E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
9498	499271.68	3734340.21	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.89E-08	0.00E+00	0.00E+00	1.04E-07
9499	499262.67	3734336.44	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
9500	499253.65	3734332.66	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
9501	499244.63	3734328.89	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
9502	499235.61	3734325.11	2.2E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	3.31E-08	6.53E-08	0.00E+00	0.00E+00	9.84E-08
9503	499226.59	3734321.33	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.71E-08
9504	499217.58	3734317.56	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.78E-07	3.22E-08	6.35E-08	0.00E+00	0.00E+00	9.57E-08
9505	499208.56	3734313.78	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
9506	499199.54	3734310.01	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.30E-08
9507	499190.52	3734306.23	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.08E-08	0.00E+00	0.00E+00	9.16E-08
9508	499181.51	3734302.46	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.03E-08
9509	499172.49	3734298.68	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
9510	499163.47	3734294.91	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.77E-08
9511	499154.45	3734291.13	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.63E-08
9512	499145.44	3734287.36	1.9E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.50E-08
9513	499136.42	3734283.58	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
9514	499127.4	3734279.81	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
9515	499114.71	3734266.97	1.8E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
9516	499111.03	3734257.91	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.02E-08
9517	499107.36	3734248.86	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.68E-08	5.29E-08	0.00E+00	0.00E+00	7.97E-08
9518	499103.69	3734239.8	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.25E-08	0.00E+00	0.00E+00	7.92E-08
9519	499100.01	3734230.74	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.87E-08
9520	499096.34	3734221.68	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.72E-07	2.63E-08	5.19E-08	0.00E+00	0.00E+00	7.82E-08
9521	499092.66	3734212.62	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
9522	499088.99	3734203.56	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
9523	499085.31	3734194.5	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.65E-08
9524	499081.64	3734185.44	1.7E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.60E-08
9525	499077.96	3734176.38	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.54E-08
9526	499074.29	3734167.32	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.48E-08
9527	499070.62	3734158.26	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.42E-08
9528	499066.94	3734149.21	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.36E-08
9529	499063.27	3734140.15	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.46E-08	4.84E-08	0.00E+00	0.00E+00	7.30E-08
9530	499059.59	3734131.09	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
9531	499037.54	3734076.73	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.56E-08	0.00E+00	0.00E+00	6.87E-08
9532	499033.87	3734067.67	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.52E-08	0.00E+00	0.00E+00	6.81E-08
9533	499030.2	3734058.61	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
9534	499004.47	3733995.2	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.30E-08
9535	499000.8	3733986.14	1.4E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
9536	498997.13	3733977.08	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.17E-08
9537	498993.45	3733968.02	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
9538	498989.78	3733958.96	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.05E-08
9539	498986.1	3733949.9	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.97E-08	0.00E+00	0.00E+00	5.99E-08
9540	498967.73	3733904.61	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
9541	498964.06	3733895.55	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
9542	498901.59	3733741.54	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.12E-08	0.00E+00	0.00E+00	4.71E-08
9543	498897.91	3733732.49	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
9544	498894.24	3733723.43	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
9545	498890.57	3733714.37	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
9546	498886.89	3733705.31	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08
9547	498883.22	3733696.25	1E-07	1.70E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
9548	498879.54	3733687.19	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
9549	498875.87	3733678.13	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
9550	498872.19	3733669.07	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
9551	498828.1	3733560.36	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
9552	498824.43	3733551.3	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.84E-08
9553	498820.75	3733542.24	8.5E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.52E-08	0.00E+00	0.00E+00	3.80E-08
9554	499857.83	3734585.6	3E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
9555	499867.65	3734585.61	3E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	4.51E-08	8.89E-08	0.00E+00	0.00E+00	1.34E-07
9556	499877.48	3734585.63	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.09E-07	0.00E+00	0.00E+00	8.08E-07	4.50E-08	8.87E-08	0.00E+00	0.00E+00	1.34E-07
9557	499887.3	3734585.65	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
9558	499897.13	3734585.67	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	4.48E-08	8.83E-08	0.00E+00	0.00E+00	1.33E-07
9559	499906.95	3734585.69	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.47E-08	8.81E-08	0.00E+00	0.00E+00	1.33E-07
9560	499916.78	3734585.71	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.01E-07	4.46E-08	8.79E-08	0.00E+00	0.00E+00	1.32E-07
9561	499926.6	3734585.73	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	4.45E-08	8.76E-08	0.00E+00	0.00E+00	1.32E-07
9562	499936.42	3734585.75	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
9563	499946.25	3734585.77	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.93E-07	4.42E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
9564	499956.07	3734585.79	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.67E-08	0.00E+00	0.00E+00	1.31E-07
9565	499965.9	3734585.81	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.38E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
9566	499975.72	3734585.83	2.9E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
9567	499985.55	3734585.85	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.34E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
9568	499995.37	3734585.87	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	4.32E-08	8.52E-08	0.00E+00	0.00E+00	1.28E-07
9569	500005.2	3734585.89	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
9570	500015.02	3734585.91	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	4.28E-08	8.43E-08	0.00E+00	0.00E+00	1.27E-07
9571	500024.84	3734585.93	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.26E-07
9572	500034.67	3734585.94	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.23E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
9573	500044.49	3734585.96	2.8E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
9574	500054.32	3734585.98	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
9575	500064.14	3734586	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.24E-07
9576	500073.97	3734586.02	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	4.13E-08	8.14E-08	0.00E+00	0.00E+00	1.23E-07
9577	500083.79	3734586.04	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.11E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
9578	500093.62	3734586.06	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	4.08E-08	8.03E-08	0.00E+00	0.00E+00	1.21E-07
9579	500103.44	3734586.08	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
9580	500113.26	3734586.1	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.92E-08	0.00E+00	0.00E+00	1.19E-07
9581	500123.09	3734586.12	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.17E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.19E-07
9582	500132.91	3734586.14	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	3.96E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
9583	500142.74	3734586.16	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
9584	500152.56	3734586.18	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
9585	500162.39	3734586.2	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	3.87E-08	7.63E-08	0.00E+00	0.00E+00	1.15E-07
9586	500172.21	3734586.22	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
9587	500182.04	3734586.24	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	3.81E-08	7.51E-08	0.00E+00	0.00E+00	1.13E-07
9588	499848.76	3734617.54	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.34E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
9589	499839.76	3734613.78	2.9E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	4.37E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
9590	499830.77	3734610.01	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.65E-08	0.00E+00	0.00E+00	1.30E-07
9591	499821.77	3734606.24	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.41E-08	8.69E-08	0.00E+00	0.00E+00	1.31E-07
9592	499812.77	3734602.48	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	4.44E-08	8.74E-08	0.00E+00	0.00E+00	1.32E-07
9593	499803.78	3734598.71	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	4.46E-08	8.78E-08	0.00E+00	0.00E+00	1.32E-07
9594	499794.78	3734594.94	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
9595	499785.78	3734591.18	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
9596	499776.78	3734587.41	3E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	4.51E-08	8.89E-08	0.00E+00	0.00E+00	1.34E-07
9597	499767.79	3734583.64	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.34E-07
9598	499758.79	3734579.88	3.02E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
9599	499749.79	3734576.11	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.97E-08	0.00E+00	0.00E+00	1.35E-07
9600	499740.79	3734572.34	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
9601	499731.8	3734568.58	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	4.58E-08	9.02E-08	0.00E+00	0.00E+00	1.36E-07
9602	499722.8	3734564.81	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.23E-07	4.59E-08	9.04E-08	0.00E+00	0.00E+00	1.36E-07
9603	499713.8	3734561.04	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	4.60E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
9604	499704.8	3734557.28	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
9605	499659.82	3734538.44	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
9606	499650.82	3734534.68	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.22E-07	0.00E+00	0.00E+00	8.28E-07	4.61E-08	9.09E-08	0.00E+00	0.00E+00	1.37E-07
9607	499641.82	3734530.91	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.27E-07	4.61E-08	9.08E-08	0.00E+00	0.00E+00	1.37E-07
9608	499632.83	3734527.14	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.21E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
9609	499623.83	3734523.38	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.20E-07	0.00E+00	0.00E+00	8.25E-07	4.60E-08	9.06E-08	0.00E+00	0.00E+00	1.37E-07
9610	499614.83	3734519.61	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.24E-07	4.59E-08	9.04E-08	0.00E+00	0.00E+00	1.36E-07
9611	499605.83	3734515.84	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	4.58E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
9612	499596.84	3734512.08	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
9613	499587.84	3734508.31	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.15E-07	0.00E+00	0.00E+00	8.18E-07	4.56E-08	8.98E-08	0.00E+00	0.00E+00	1.35E-07
9614	499578.84	3734504.54	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.55E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
9615	499569.85	3734500.78	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	4.53E-08	8.93E-08	0.00E+00	0.00E+00	1.35E-07
9616	499560.85	3734497.01	3E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	4.51E-08	8.89E-08	0.00E+00	0.00E+00	1.34E-07

9617	499551.85	3734493.24	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	5.08E-07	0.00E+00	0.00E+00	8.07E-07	4.50E-08	8.86E-08	0.00E+00	0.00E+00	1.34E-07
9618	499542.85	3734489.48	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.04E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
9619	499533.86	3734485.71	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	4.46E-08	8.78E-08	0.00E+00	0.00E+00	1.32E-07
9620	499524.86	3734481.94	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.01E-07	0.00E+00	0.00E+00	7.96E-07	4.44E-08	8.74E-08	0.00E+00	0.00E+00	1.32E-07
9621	499515.86	3734478.18	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.41E-08	8.69E-08	0.00E+00	0.00E+00	1.31E-07
9622	499506.86	3734474.41	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
9623	499497.87	3734470.64	2.9E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
9624	499488.87	3734466.88	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.34E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
9625	499479.87	3734463.11	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.49E-08	0.00E+00	0.00E+00	1.28E-07
9626	499470.88	3734459.34	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	4.28E-08	8.43E-08	0.00E+00	0.00E+00	1.27E-07
9627	499461.88	3734455.58	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
9628	499452.88	3734451.81	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
9629	499443.88	3734448.04	2.78E-07	4.74E-07	0.00E+00	0.00E+00	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.74E-07	0.00E+00	0.00E+00	7.52E-07	4.19E-08	8.25E-08	0.00E+00	0.00E+00	1.24E-07
9630	499434.89	3734444.28	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
9631	499371.91	3734417.91	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
9632	499362.91	3734414.14	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
9633	499353.91	3734410.38	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
9634	499344.91	3734406.61	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
9635	499335.92	3734402.84	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.75E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
9636	499326.92	3734399.08	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	3.70E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
9637	499317.92	3734395.31	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
9638	499308.92	3734391.54	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.50E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.08E-07
9639	499299.93	3734387.78	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.42E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
9640	499290.93	3734384.01	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
9641	499281.93	3734380.25	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
9642	499272.93	3734376.48	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.20E-07	3.45E-08	6.80E-08	0.00E+00	0.00E+00	1.03E-07
9643	499263.94	3734372.71	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
9644	499254.94	3734368.95	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
9645	499245.94	3734365.18	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
9646	499236.95	3734361.41	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.74E-08
9647	499227.95	3734357.65	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
9648	499218.95	3734353.88	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.49E-08
9649	499209.95	3734350.11	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
9650	499200.96	3734346.35	2.06E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	3.11E-08	6.12E-08	0.00E+00	0.00E+00	9.23E-08
9651	499191.96	3734342.58	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.50E-07	3.07E-08	6.04E-08	0.00E+00	0.00E+00	9.11E-08
9652	499182.96	3734338.81	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.02E-08	5.96E-08	0.00E+00	0.00E+00	8.98E-08
9653	499173.96	3734335.05	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.87E-08	0.00E+00	0.00E+00	8.85E-08
9654	499164.97	3734331.28	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
9655	499155.97	3734327.51	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.60E-08
9656	499146.97	3734323.75	1.9E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.48E-08
9657	499137.98	3734319.98	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.36E-08
9658	499128.98	3734316.21	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.98E-07	2.77E-08	5.46E-08	0.00E+00	0.00E+00	8.23E-08
9659	499119.98	3734312.45	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.09E-07	0.00E+00	0.00E+00	4.90E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.11E-08
9660	499110.98	3734308.68	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
9661	499101.99	3734304.91	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.76E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.87E-08
9662	499089.32	3734292.11	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
9663	499085.66	3734283.07	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.08E-08	0.00E+00	0.00E+00	7.66E-08
9664	499081.99	3734274.03	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.62E-08
9665	499078.32	3734264.99	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.57E-08
9666	499074.66	3734255.95	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
9667	499070.99	3734246.91	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.52E-07	2.52E-08	4.96E-08	0.00E+00	0.00E+00	7.47E-08
9668	499067.33	3734237.88	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.42E-08
9669	499063.66	3734228.84	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
9670	499059.99	3734219.8	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.32E-08
9671	499056.33	3734210.76	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
9672	499052.66	3734201.72	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
9673	499048.99	3734192.68	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.16E-08
9674	499045.33	3734183.64	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
9675	499041.66	3734174.6	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	2.37E-08	4.68E-08	0.00E+00	0.00E+00	7.05E-08
9676	499038	3734165.57	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	2.35E-08	4.64E-08	0.00E+00	0.00E+00	6.99E-08
9677	499034.33	3734156.53	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
9678	499030.66	3734147.49	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
9679	499027	3734138.45	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	2.30E-08	4.52E-08	0.00E+00	0.00E+00	6.82E-08
9680	499023.33	3734129.41	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.76E-08
9681	499019.67	3734120.37	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.71E-08
9682	498994	3734057.1	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.29E-08
9683	498990.34	3734048.06	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
9684	498986.67	3734039.02	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.18E-08
9685	498983	3734029.99	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.12E-08
9686	498979.34	3734020.95	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
9687	498975.67	3734011.91	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.63E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
9688	498972.01	3734002.87	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
9689	498968.34	3733993.83	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
9690	498964.67	3733984.79	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
9691	498961.01	3733975.75	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.77E-08
9692	498957.34	3733966.71	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.79E-08	0.00E+00	0.00E+00	5.71E-08
9693	498865.69	3733740.75	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
9694	498862.02	3733731.71	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
9695	498858.35	3733722.67	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
9696	498854.69	3733713.63	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
9697	498851.02	3733704.59	9.53E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.43E-08	2.83E-08	0.00E+00	0.00E+00	4.26E-08
9698	498847.36	3733695.55	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
9699	498843.69	3733686.52	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
9700	498840.02	3733677.48	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.75E-08	0.00E+00	0.00E+00	4.14E-08
9701	498796.03	3733569.01	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.70E-08
9702	498792.36	3733559.97	8.21E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.43E-08	0.00E+00	0.00E+00	3.67E-08
9703	498788.7	3733550.93	8.14E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.64E-08
9704	498785.03	3733541.9	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
9705	499857.76	3734621.31	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
9706	499867.58	3734621.33	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.74E-07	4.31E-08	8.49E-08	0.00E+00	0.00E+00	1.28E-07
9707	499877.41	3734621.35	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
9708	499887.23	3734621.37	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	4.29E-08	8.46E-08	0.00E+00	0.00E+00	1.28E-07
9709	499897.06	3734621.39	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	4.28E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
9710	499906.88	3734621.41	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	4.27E-08	8.42E-08	0.00E+00	0.00E+00	1.27E-07
9711	499916.71	3734621.43	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.27E-07
9712	499926.53	3734621.45	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
9713	499936.35	3734621.46	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.23E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
9714	499946.18	3734621.48	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
9715	499956	3734621.5	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	4.20E-08	8.28E-08	0.00E+00	0.00E+00	1.25E-07
9716	499965.83	3734621.52	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.19E-08	8.25E-08	0.00E+00	0.00E+00	1.24E-07
9717	499975.65	3734621.54	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
9718	499985.48	3734621.56	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.69E-07	0.00E+00	0.00E+00	7.45E-07	4.15E-08	8.18E-08	0.00E+00	0.00E+00	1.23E-07
9719	499995.3	3734621.58	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	4.13E-08	8.14E-08	0.00E+00	0.00E+00	1.23E-07
9720	500005.13	3734621.6	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
9721	500014.95	3734621.62	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.06E-08	0.00E+00	0.00E+00	1.21E-07
9722	500024.77	3734621.64	2.7E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	4.07E-08	8.01E-08	0.00E+00	0.00E+00	1.21E-07
9723	500034.6	3734621.66	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	4.05E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
9724	500044.42	3734621.68	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.93E-08	0.00E+00	0.00E+00	1.19E-07
9725	500054.25	3734621.7	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
9726	500064.07	3734621.72	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	3.98E-08	7.83E-08	0.00E+00	0.00E+00	1.18E-07
9727	500073.9	3734621.74	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
9728	500083.72	3734621.76	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	3.93E-08	7.73E-08	0.00E+00	0.00E+00	1.17E-07
9729	500093.54	3734621.78	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	3.90E-08	7.68E-08	0.00E+00	0.00E+00	1.16E-07
9730	500103.37	3734621.79	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	3.87E-08	7.63E-08	0.00E+00	0.00E+00	1.15E-07
9731	500113.19	3734621.81	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
9732	500123.02	3734621.83	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	3.82E-08	7.53E-08	0.00E+00	0.00E+00	1.13E-07
9733	500132.84	3734621.85	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.29E-07	0.00E+00	0.00E+00	6.81E-07	3.79E-08	7.47E-08	0.00E+00	0.00E+00	1.13E-07
9734	500142.67	3734621.87	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
9735	500152.49	3734621.89	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
9736	500162.32	3734621.91	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
9737	500172.14	3734621.93	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.61E-07	3.68E-08	7.25E-08	0.00E+00	0.00E+00	1.09E-07
9738	500181.96	3734621.95	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.55E-07	3.65E-08	7.19E-08	0.00E+00	0.00E+00	1.08E-07
9739	499848.71	3734653.26	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.23E-07
9740	499839.73	3734649.51	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
9741	499830.75	3734645.75	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	4.20E-08	8.28E-08	0.00E+00	0.00E+00	1.25E-07
9742	499821.77	3734641.99	2.81E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	4.22E-08	8.32E-08	0.00E+00	0.00E+00	1.25E-07
9743	499812.8	3734638.23	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.24E-08	8.36E-08	0.00E+00	0.00E+00	1.26E-07
9744	499803.82	3734634.47	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.40E-08	0.00E+00	0.00E+00	1.27E-07
9745	499794.84	3734630.71	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.69E-07	4.28E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
9746	499785.86	3734626.95	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.86E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.47E-08	0.00E+00	0.00E+00	1.28E-07

9747	499776.88	3734623.2	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
9748	499767.9	3734619.44	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.33E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
9749	499758.93	3734615.68	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.80E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
9750	499749.95	3734611.92	2.9E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
9751	499740.97	3734608.16	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.37E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
9752	499731.99	3734604.4	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
9753	499723.01	3734600.64	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	4.40E-08	8.66E-08	0.00E+00	0.00E+00	1.31E-07
9754	499714.04	3734596.88	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.68E-08	0.00E+00	0.00E+00	1.31E-07
9755	499705.06	3734593.13	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.41E-08	8.69E-08	0.00E+00	0.00E+00	1.31E-07
9756	499696.08	3734589.37	2.93E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	4.42E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
9757	499687.1	3734585.61	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.42E-08	8.71E-08	0.00E+00	0.00E+00	1.31E-07
9758	499678.12	3734581.85	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.31E-07
9759	499669.14	3734578.09	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
9760	499660.17	3734574.33	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
9761	499651.19	3734570.57	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
9762	499642.21	3734566.81	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.32E-07
9763	499633.23	3734563.06	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.31E-07
9764	499624.25	3734559.3	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.42E-08	8.71E-08	0.00E+00	0.00E+00	1.31E-07
9765	499570.38	3734536.75	2.9E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.84E-07	4.37E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
9766	499561.4	3734532.99	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.82E-07	4.35E-08	8.58E-08	0.00E+00	0.00E+00	1.29E-07
9767	499552.43	3734529.23	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
9768	499543.45	3734525.47	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	4.32E-08	8.52E-08	0.00E+00	0.00E+00	1.28E-07
9769	499534.47	3734521.71	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
9770	499525.49	3734517.95	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.70E-07	4.29E-08	8.45E-08	0.00E+00	0.00E+00	1.27E-07
9771	499516.51	3734514.19	2.83E-07	4.83E-07	0.00E+00	0.00E+00	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.83E-07	0.00E+00	0.00E+00	7.66E-07	4.27E-08	8.41E-08	0.00E+00	0.00E+00	1.27E-07
9772	499507.53	3734510.43	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
9773	499498.56	3734506.68	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.58E-07	4.23E-08	8.32E-08	0.00E+00	0.00E+00	1.25E-07
9774	499489.58	3734502.92	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	4.20E-08	8.28E-08	0.00E+00	0.00E+00	1.25E-07
9775	499480.6	3734499.16	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
9776	499471.62	3734495.4	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.45E-07	4.15E-08	8.18E-08	0.00E+00	0.00E+00	1.23E-07
9777	499462.64	3734491.64	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
9778	499453.66	3734487.88	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.08E-08	0.00E+00	0.00E+00	1.22E-07
9779	499444.69	3734484.12	2.7E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
9780	499435.71	3734480.36	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	4.04E-08	7.96E-08	0.00E+00	0.00E+00	1.20E-07
9781	499426.73	3734476.61	2.66E-07	4.54E-07	0.00E+00	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.54E-07	0.00E+00	0.00E+00	7.20E-07	4.01E-08	7.90E-08	0.00E+00	0.00E+00	1.19E-07
9782	499417.75	3734472.85	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.84E-08	0.00E+00	0.00E+00	1.18E-07
9783	499408.77	3734469.09	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
9784	499372.86	3734454.05	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
9785	499363.88	3734450.3	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
9786	499354.9	3734446.54	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
9787	499345.92	3734442.78	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
9788	499336.95	3734439.02	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.59E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
9789	499327.97	3734435.26	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.52E-07	3.63E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
9790	499318.99	3734431.5	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.45E-07	3.60E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
9791	499310.01	3734427.74	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
9792	499301.03	3734423.98	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	3.52E-08	6.93E-08	0.00E+00	0.00E+00	1.05E-07
9793	499292.05	3734420.23	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
9794	499283.08	3734416.47	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
9795	499274.1	3734412.71	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
9796	499265.12	3734408.95	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.99E-08
9797	499256.14	3734405.19	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
9798	499247.16	3734401.43	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.47E-08	0.00E+00	0.00E+00	9.75E-08
9799	499238.18	3734397.67	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
9800	499229.21	3734393.92	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
9801	499220.23	3734390.16	2.1E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.16E-08	6.23E-08	0.00E+00	0.00E+00	9.39E-08
9802	499211.25	3734386.4	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
9803	499202.27	3734382.64	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
9804	499193.29	3734378.88	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.03E-08
9805	499184.31	3734375.12	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.92E-08
9806	499175.34	3734371.36	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.96E-08	5.83E-08	0.00E+00	0.00E+00	8.80E-08
9807	499166.36	3734367.6	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	2.92E-08	5.76E-08	0.00E+00	0.00E+00	8.68E-08
9808	499157.38	3734363.85	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
9809	499148.4	3734360.09	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.44E-08
9810	499139.42	3734356.33	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.33E-08
9811	499130.44	3734352.57	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.21E-08
9812	499121.47	3734348.81	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
9813	499112.49	3734345.05	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.69E-08	5.29E-08	0.00E+00	0.00E+00	7.98E-08
9814	499103.51	3734341.29	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.22E-08	0.00E+00	0.00E+00	7.86E-08
9815	499094.53	3734337.53	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.14E-08	0.00E+00	0.00E+00	7.75E-08
9816	499085.55	3734333.78	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.57E-08	5.07E-08	0.00E+00	0.00E+00	7.64E-08
9817	499076.57	3734330.02	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.53E-08
9818	499063.94	3734317.24	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
9819	499060.28	3734308.22	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.86E-08	0.00E+00	0.00E+00	7.33E-08
9820	499056.62	3734299.2	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.29E-08
9821	499052.96	3734290.18	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.80E-08	0.00E+00	0.00E+00	7.24E-08
9822	499049.3	3734281.16	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.42E-08	4.77E-08	0.00E+00	0.00E+00	7.20E-08
9823	499045.64	3734272.14	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.74E-08	0.00E+00	0.00E+00	7.15E-08
9824	499041.99	3734263.12	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
9825	499038.33	3734254.1	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.26E-07	2.38E-08	4.68E-08	0.00E+00	0.00E+00	7.06E-08
9826	499034.67	3734245.08	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.01E-08
9827	499031.01	3734236.06	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.62E-08	0.00E+00	0.00E+00	6.96E-08
9828	499027.35	3734227.04	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
9829	499023.69	3734218.02	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08
9830	499020.04	3734209	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.81E-08
9831	499016.38	3734199.98	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
9832	499012.72	3734190.96	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.70E-08
9833	499009.06	3734181.94	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
9834	499005.4	3734172.92	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
9835	499001.74	3734163.91	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
9836	498998.08	3734154.89	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.49E-08
9837	498994.43	3734145.87	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
9838	498950.52	3734037.63	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
9839	498946.87	3734028.61	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
9840	498943.21	3734019.59	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.67E-08
9841	498939.55	3734010.57	1.25E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
9842	498935.89	3734001.55	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
9843	498932.23	3733992.53	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.33E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
9844	498928.57	3733983.51	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.45E-08
9845	498924.92	3733974.49	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.40E-08
9846	498921.26	3733965.47	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
9847	498917.6	3733956.45	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
9848	498913.94	3733947.43	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.24E-08
9849	498910.28	3733938.41	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
9850	498906.62	3733929.39	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.13E-08
9851	498829.8	3733739.98	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.77E-08	0.00E+00	0.00E+00	4.18E-08
9852	498826.14	3733730.96	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-08	1.58E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.75E-08	0.00E+00	0.00E+00	4.14E-08
9853	498822.48	3733721.94	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.10E-08
9854	498818.82	3733712.92	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
9855	498815.16	3733703.9	9E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.02E-08
9856	498811.5	3733694.88	8.92E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.99E-08
9857	498807.84	3733685.86	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.95E-08
9858	498804.19	3733676.84	8.75E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.91E-08
9859	498796.87	3733658.81	8.6E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
9860	498760.28	3733568.61	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
9861	498756.63	3733559.59	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
9862	498752.97	3733550.57	7.72E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
9863	498749.31	3733541.55	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
9864	499857.69	3734657.02	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	4.13E-08	8.14E-08	0.00E+00	0.00E+00	1.23E-07
9865	499867.51	3734657.04	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.13E-08	0.00E+00	0.00E+00	1.22E-07
9866	499877.34	3734657.06	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.39E-07	4.12E-08	8.11E-08	0.00E+00	0.00E+00	1.22E-07
9867	499887.16	3734657.08	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.11E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
9868	499896.99	3734657.1	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
9869	499906.81	3734657.12	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.05E-08	0.00E+00	0.00E+00	1.21E-07
9870	499916.63	3734657.14	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	4.08E-08	8.03E-08	0.00E+00	0.00E+00	1.21E-07
9871	499926.46	3734657.16	2.7E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	4.06E-08	8.00E-08	0.00E+00	0.00E+00	1.21E-07
9872	499936.28	3734657.18	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
9873	499946.11	3734657.2	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.24E-07	4.04E-08	7.95E-08	0.00E+00	0.00E+00	1.20E-07
9874	499955.93	3734657.22	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.92E-08	0.00E+00	0.00E+00	1.19E-07
9875	499965.76	3734657.24	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	4.00E-08	7.89E-08	0.00E+00	0.00E+00	1.19E-07
9876	499975.58	3734657.26	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.85E-08	0.00E+00	0.00E+00	1.18E-07

9877	499985.41	3734657.28	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.82E-08	0.00E+00	0.00E+00	1.18E-07
9878	499995.23	3734657.3	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
9879	500005.05	3734657.31	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
9880	500014.88	3734657.33	2.6E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	3.91E-08	7.71E-08	0.00E+00	0.00E+00	1.16E-07
9881	500024.7	3734657.35	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	3.89E-08	7.67E-08	0.00E+00	0.00E+00	1.16E-07
9882	500034.53	3734657.37	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.95E-07	3.87E-08	7.63E-08	0.00E+00	0.00E+00	1.15E-07
9883	500044.35	3734657.39	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
9884	500054.18	3734657.41	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.33E-07	0.00E+00	0.00E+00	6.87E-07	3.83E-08	7.54E-08	0.00E+00	0.00E+00	1.14E-07
9885	500064	3734657.43	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	3.81E-08	7.50E-08	0.00E+00	0.00E+00	1.13E-07
9886	500073.83	3734657.45	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
9887	500083.65	3734657.47	2.5E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.41E-08	0.00E+00	0.00E+00	1.12E-07
9888	500093.47	3734657.49	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.74E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
9889	500103.3	3734657.51	2.46E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
9890	500113.12	3734657.53	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.26E-08	0.00E+00	0.00E+00	1.09E-07
9891	500122.95	3734657.55	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
9892	500132.77	3734657.57	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.11E-07	0.00E+00	0.00E+00	6.53E-07	3.64E-08	7.16E-08	0.00E+00	0.00E+00	1.08E-07
9893	500142.6	3734657.59	2.4E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
9894	500152.42	3734657.61	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.06E-08	0.00E+00	0.00E+00	1.06E-07
9895	500162.25	3734657.63	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
9896	500172.07	3734657.64	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
9897	500181.89	3734657.66	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
9898	499848.56	3734688.94	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.14E-07	3.98E-08	7.84E-08	0.00E+00	0.00E+00	1.18E-07
9899	499839.5	3734685.15	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	4.00E-08	7.89E-08	0.00E+00	0.00E+00	1.19E-07
9900	499830.44	3734681.36	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.03E-08	7.93E-08	0.00E+00	0.00E+00	1.20E-07
9901	499821.38	3734677.57	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	4.05E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
9902	499812.32	3734673.77	2.7E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.30E-07	4.07E-08	8.01E-08	0.00E+00	0.00E+00	1.21E-07
9903	499803.26	3734669.98	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.62E-07	0.00E+00	0.00E+00	7.33E-07	4.09E-08	8.05E-08	0.00E+00	0.00E+00	1.21E-07
9904	499794.2	3734666.19	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.64E-07	0.00E+00	0.00E+00	7.37E-07	4.10E-08	8.09E-08	0.00E+00	0.00E+00	1.22E-07
9905	499785.14	3734662.39	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
9906	499776.08	3734658.6	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
9907	499767.02	3734654.81	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.46E-07	4.15E-08	8.18E-08	0.00E+00	0.00E+00	1.23E-07
9908	499757.96	3734651.02	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
9909	499748.9	3734647.22	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
9910	499739.84	3734643.43	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	4.20E-08	8.26E-08	0.00E+00	0.00E+00	1.25E-07
9911	499730.78	3734639.64	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
9912	499721.71	3734635.84	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
9913	499712.65	3734632.05	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	4.23E-08	8.33E-08	0.00E+00	0.00E+00	1.26E-07
9914	499703.59	3734628.26	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.23E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
9915	499694.53	3734624.46	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
9916	499685.47	3734620.67	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
9917	499676.41	3734616.88	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
9918	499667.35	3734613.09	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.25E-08	8.38E-08	0.00E+00	0.00E+00	1.26E-07
9919	499658.29	3734609.29	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.26E-07
9920	499649.23	3734605.5	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.26E-07
9921	499640.17	3734601.71	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.26E-07
9922	499631.11	3734597.91	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.38E-08	0.00E+00	0.00E+00	1.26E-07
9923	499622.05	3734594.12	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	4.25E-08	8.38E-08	0.00E+00	0.00E+00	1.26E-07
9924	499612.99	3734590.33	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.62E-07	4.25E-08	8.37E-08	0.00E+00	0.00E+00	1.26E-07
9925	499603.93	3734586.53	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.80E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.36E-08	0.00E+00	0.00E+00	1.26E-07
9926	499594.87	3734582.74	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.79E-07	0.00E+00	0.00E+00	7.60E-07	4.24E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
9927	499585.81	3734578.95	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	4.23E-08	8.33E-08	0.00E+00	0.00E+00	1.26E-07
9928	499576.75	3734575.16	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
9929	499549.57	3734563.78	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
9930	499540.51	3734559.98	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
9931	499477.09	3734533.43	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.57E-07	0.00E+00	0.00E+00	7.25E-07	4.04E-08	7.96E-08	0.00E+00	0.00E+00	1.20E-07
9932	499468.03	3734529.64	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	4.02E-08	7.91E-08	0.00E+00	0.00E+00	1.19E-07
9933	499458.97	3734525.85	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.17E-07	3.99E-08	7.87E-08	0.00E+00	0.00E+00	1.19E-07
9934	499449.91	3734522.05	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.82E-08	0.00E+00	0.00E+00	1.18E-07
9935	499440.85	3734518.26	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.94E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
9936	499431.79	3734514.47	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
9937	499422.73	3734510.68	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.16E-07
9938	499413.67	3734506.88	2.56E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
9939	499368.37	3734487.92	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
9940	499359.31	3734484.12	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
9941	499350.25	3734480.33	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.64E-08	7.17E-08	0.00E+00	0.00E+00	1.08E-07
9942	499341.19	3734476.54	2.4E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
9943	499332.13	3734472.75	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.04E-08	0.00E+00	0.00E+00	1.06E-07
9944	499323.07	3734468.95	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
9945	499314.01	3734465.16	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
9946	499304.95	3734461.37	2.3E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	3.47E-08	6.83E-08	0.00E+00	0.00E+00	1.03E-07
9947	499295.89	3734457.57	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
9948	499286.83	3734453.78	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
9949	499277.77	3734449.99	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.80E-07	0.00E+00	0.00E+00	6.03E-07	3.36E-08	6.62E-08	0.00E+00	0.00E+00	9.98E-08
9950	499268.71	3734446.2	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.87E-08
9951	499259.65	3734442.4	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.47E-08	0.00E+00	0.00E+00	9.76E-08
9952	499250.59	3734438.61	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.65E-08
9953	499241.53	3734434.82	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
9954	499232.46	3734431.02	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
9955	499223.4	3734427.23	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.63E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.31E-08
9956	499214.34	3734423.44	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.56E-07	3.10E-08	6.10E-08	0.00E+00	0.00E+00	9.20E-08
9957	499205.28	3734419.64	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.08E-08
9958	499196.22	3734415.85	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.97E-08
9959	499187.16	3734412.06	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.35E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
9960	499178.1	3734408.27	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
9961	499169.04	3734404.47	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.63E-08
9962	499159.98	3734400.68	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.24E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.65E-08	0.00E+00	0.00E+00	8.52E-08
9963	499150.92	3734396.89	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
9964	499141.86	3734393.09	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.29E-08
9965	499132.8	3734389.3	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.11E-07	0.00E+00	0.00E+00	4.94E-07	2.75E-08	5.43E-08	0.00E+00	0.00E+00	8.18E-08
9966	499123.74	3734385.51	1.8E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
9967	499114.68	3734381.72	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
9968	499105.62	3734377.92	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.21E-08	0.00E+00	0.00E+00	7.85E-08
9969	499096.56	3734374.13	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.13E-08	0.00E+00	0.00E+00	7.74E-08
9970	499087.5	3734370.34	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.61E-07	2.57E-08	5.06E-08	0.00E+00	0.00E+00	7.63E-08
9971	499078.44	3734366.54	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
9972	499069.38	3734362.75	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.82E-07	0.00E+00	0.00E+00	4.48E-07	2.50E-08	4.92E-08	0.00E+00	0.00E+00	7.42E-08
9973	499060.32	3734358.96	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.31E-08
9974	499051.26	3734355.16	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
9975	499038.51	3734342.27	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.68E-08	0.00E+00	0.00E+00	7.06E-08
9976	499034.82	3734333.17	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.66E-08	0.00E+00	0.00E+00	7.02E-08
9977	499031.13	3734324.07	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
9978	499027.43	3734314.96	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
9979	499023.74	3734305.86	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
9980	499020.05	3734296.76	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
9981	499016.36	3734287.66	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
9982	499012.67	3734278.56	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.28E-08	4.48E-08	0.00E+00	0.00E+00	6.76E-08
9983	499008.97	3734269.45	1.5E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.71E-08
9984	499005.28	3734260.35	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.24E-08	4.42E-08	0.00E+00	0.00E+00	6.67E-08
9985	499001.59	3734251.25	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
9986	498997.9	3734242.15	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
9987	498994.21	3734233.05	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.52E-08
9988	498990.52	3734223.95	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
9989	498986.82	3734214.84	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
9990	498983.13	3734205.74	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
9991	498979.44	3734196.64	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.32E-08
9992	498975.75	3734187.54	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
9993	498957.29	3734142.03	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.01E-08
9994	498953.6	3734132.93	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
9995	498949.91	3734123.82	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
9996	498946.21	3734114.72	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
9997	498942.52	3734105.62	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.95E-08	3.85E-08	0.00E+00	0.00E+00	5.81E-08
9998	498938.83	3734096.52	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.75E-08
9999	498909.3	3734023.7	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
10000	498905.6	3734014.6	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
10001	498901.91	3734005.5	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.24E-08
10002	498898.22	3733996.4	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
10003	498894.53	3733987.3	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
10004	498890.84	3733978.19	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.09E-08
10005	498887.15	3733969.09	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.04E-08
10006	498883.45	3733959.99	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08

10007	498879.76	3733950.89	1.1E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.28E-08	0.00E+00	0.00E+00	4.94E-08
10008	498876.07	3733941.79	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.24E-08	0.00E+00	0.00E+00	4.89E-08
10009	498872.38	3733932.69	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
10010	498794.85	3733741.55	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.63E-08	0.00E+00	0.00E+00	3.96E-08
10011	498791.16	3733732.44	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
10012	498787.47	3733723.34	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
10013	498783.77	3733714.24	8.61E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.55E-08	0.00E+00	0.00E+00	3.85E-08
10014	498780.08	3733705.14	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.31E-07	1.28E-08	2.53E-08	0.00E+00	0.00E+00	3.82E-08
10015	498776.39	3733696.04	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
10016	498772.7	3733686.93	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-08	1.43E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
10017	498769.01	3733677.83	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
10018	498765.32	3733668.73	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
10019	498761.62	3733659.63	8.16E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
10020	498757.93	3733650.53	8.09E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
10021	498754.24	3733641.43	8.02E-08	1.36E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-08	1.36E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.58E-08
10022	498750.55	3733632.32	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.55E-08
10023	498746.86	3733623.22	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.52E-08
10024	498743.16	3733614.12	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
10025	498739.47	3733605.02	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.46E-08
10026	498735.78	3733595.92	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.43E-08
10027	498732.09	3733586.81	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
10028	498728.4	3733577.71	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
10029	498724.71	3733568.61	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.34E-08
10030	498721.01	3733559.51	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
10031	498717.32	3733550.41	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
10032	498713.63	3733541.3	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
10033	499857.62	3734692.74	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.96E-08	7.80E-08	0.00E+00	0.00E+00	1.18E-07
10034	499867.44	3734692.76	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
10035	499877.27	3734692.78	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.08E-07	3.94E-08	7.77E-08	0.00E+00	0.00E+00	1.17E-07
10036	499887.09	3734692.8	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
10037	499896.92	3734692.82	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.73E-08	0.00E+00	0.00E+00	1.17E-07
10038	499906.74	3734692.83	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.91E-08	7.71E-08	0.00E+00	0.00E+00	1.16E-07
10039	499916.56	3734692.85	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.01E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
10040	499926.39	3734692.87	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.16E-07
10041	499936.21	3734692.89	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
10042	499946.04	3734692.91	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
10043	499955.86	3734692.93	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
10044	499965.69	3734692.95	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	3.83E-08	7.55E-08	0.00E+00	0.00E+00	1.14E-07
10045	499975.51	3734692.97	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
10046	499985.34	3734692.99	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	3.80E-08	7.49E-08	0.00E+00	0.00E+00	1.13E-07
10047	499995.16	3734693.01	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.79E-07	3.78E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
10048	500004.98	3734693.03	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
10049	500014.81	3734693.05	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.24E-07	0.00E+00	0.00E+00	6.73E-07	3.75E-08	7.38E-08	0.00E+00	0.00E+00	1.11E-07
10050	500024.63	3734693.07	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.35E-08	0.00E+00	0.00E+00	1.11E-07
10051	500034.46	3734693.09	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
10052	500044.28	3734693.11	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.27E-08	0.00E+00	0.00E+00	1.10E-07
10053	500054.11	3734693.13	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.58E-07	3.67E-08	7.23E-08	0.00E+00	0.00E+00	1.09E-07
10054	500063.93	3734693.15	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	3.65E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
10055	500073.75	3734693.16	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	3.63E-08	7.14E-08	0.00E+00	0.00E+00	1.08E-07
10056	500083.58	3734693.18	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.47E-07	3.60E-08	7.10E-08	0.00E+00	0.00E+00	1.07E-07
10057	500093.4	3734693.2	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.06E-08	0.00E+00	0.00E+00	1.06E-07
10058	500103.23	3734693.22	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
10059	500113.05	3734693.24	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
10060	500122.88	3734693.26	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
10061	500132.7	3734693.28	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
10062	500142.53	3734693.3	2.3E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.22E-07	3.46E-08	6.82E-08	0.00E+00	0.00E+00	1.03E-07
10063	500152.35	3734693.32	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
10064	500162.17	3734693.34	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.01E-07
10065	500172	3734693.36	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
10066	500181.82	3734693.38	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
10067	500225.1	3733564.66	1.82E-06	3.10E-06	0.00E+00	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	3.10E-06	0.00E+00	0.00E+00	4.92E-06	2.74E-07	5.40E-07	0.00E+00	0.00E+00	8.14E-07
10068	500233.93	3733533.72	1.81E-06	3.08E-06	0.00E+00	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-06	3.08E-06	0.00E+00	0.00E+00	4.88E-06	2.72E-07	5.36E-07	0.00E+00	0.00E+00	8.08E-07
10069	500233.94	3733523.99	1.85E-06	3.16E-06	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-06	3.16E-06	0.00E+00	0.00E+00	5.01E-06	2.79E-07	5.50E-07	0.00E+00	0.00E+00	8.29E-07
10070	500233.95	3733514.27	1.91E-06	3.24E-06	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-06	3.24E-06	0.00E+00	0.00E+00	5.15E-06	2.87E-07	5.65E-07	0.00E+00	0.00E+00	8.52E-07
10071	500233.96	3733504.54	1.96E-06	3.34E-06	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	3.34E-06	0.00E+00	0.00E+00	5.31E-06	2.96E-07	5.82E-07	0.00E+00	0.00E+00	8.78E-07
10072	500233.97	3733494.82	2.03E-06	3.45E-06	0.00E+00	0.00E+00	5.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-06	3.45E-06	0.00E+00	0.00E+00	5.47E-06	3.05E-07	6.01E-07	0.00E+00	0.00E+00	9.06E-07
10073	500233.98	3733485.09	2.09E-06	3.55E-06	0.00E+00	0.00E+00	5.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-06	3.55E-06	0.00E+00	0.00E+00	5.64E-06	3.14E-07	6.19E-07	0.00E+00	0.00E+00	9.33E-07
10074	500233.99	3733475.37	2.15E-06	3.66E-06	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-06	3.66E-06	0.00E+00	0.00E+00	5.81E-06	3.24E-07	6.38E-07	0.00E+00	0.00E+00	9.61E-07
10075	500234	3733465.65	2.21E-06	3.76E-06	0.00E+00	0.00E+00	5.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-06	3.76E-06	0.00E+00	0.00E+00	5.97E-06	3.32E-07	6.55E-07	0.00E+00	0.00E+00	9.87E-07
10076	500234.01	3733455.92	2.26E-06	3.85E-06	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-06	3.85E-06	0.00E+00	0.00E+00	6.12E-06	3.41E-07	6.71E-07	0.00E+00	0.00E+00	1.01E-06
10077	500234.02	3733446.2	2.32E-06	3.95E-06	0.00E+00	0.00E+00	6.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	3.95E-06	0.00E+00	0.00E+00	6.26E-06	3.49E-07	6.88E-07	0.00E+00	0.00E+00	1.04E-06
10078	500234.03	3733436.47	2.37E-06	4.03E-06	0.00E+00	0.00E+00	6.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-06	4.03E-06	0.00E+00	0.00E+00	6.40E-06	3.57E-07	7.03E-07	0.00E+00	0.00E+00	1.06E-06
10079	500234.04	3733426.75	2.42E-06	4.12E-06	0.00E+00	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-06	4.12E-06	0.00E+00	0.00E+00	6.53E-06	3.64E-07	7.17E-07	0.00E+00	0.00E+00	1.08E-06
10080	500234.05	3733417.02	2.46E-06	4.19E-06	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-06	4.19E-06	0.00E+00	0.00E+00	6.66E-06	3.71E-07	7.31E-07	0.00E+00	0.00E+00	1.10E-06
10081	500234.06	3733407.3	2.5E-06	4.26E-06	0.00E+00	0.00E+00	6.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-06	4.26E-06	0.00E+00	0.00E+00	6.77E-06	3.77E-07	7.43E-07	0.00E+00	0.00E+00	1.12E-06
10082	500234.09	3733378.13	2.61E-06	4.44E-06	0.00E+00	0.00E+00	7.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-06	4.44E-06	0.00E+00	0.00E+00	7.04E-06	3.92E-07	7.73E-07	0.00E+00	0.00E+00	1.17E-06
10083	500234.1	3733368.4	2.63E-06	4.48E-06	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-06	4.48E-06	0.00E+00	0.00E+00	7.12E-06	3.96E-07	7.81E-07	0.00E+00	0.00E+00	1.18E-06
10084	500234.11	3733358.68	2.66E-06	4.52E-06	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	4.52E-06	0.00E+00	0.00E+00	7.18E-06	4.00E-07	7.88E-07	0.00E+00	0.00E+00	1.19E-06
10085	500234.12	3733348.95	2.68E-06	4.56E-06	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-06	4.56E-06	0.00E+00	0.00E+00	7.23E-06	4.03E-07	7.94E-07	0.00E+00	0.00E+00	1.20E-06
10086	500234.13	3733339.23	2.69E-06	4.58E-06	0.00E+00	0.00E+00	7.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	4.58E-06	0.00E+00	0.00E+00	7.28E-06	4.05E-07	7.99E-07	0.00E+00	0.00E+00	1.20E-06
10087	500234.14	3733329.5	2.71E-06	4.61E-06	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-06	4.61E-06	0.00E+00	0.00E+00	7.31E-06	4.07E-07	8.03E-07	0.00E+00	0.00E+00	1.21E-06
10088	500234.15	3733319.78	2.72E-06	4.63E-06	0.00E+00	0.00E+00	7.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-06	4.63E-06	0.00E+00	0.00E+00	7.34E-06	4.09E-07	8.06E-07	0.00E+00	0.00E+00	1.21E-06
10089	500234.16	3733310.05	2.72E-06	4.64E-06	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-06	4.64E-06	0.00E+00	0.00E+00	7.36E-06	4.10E-07	8.08E-07	0.00E+00	0.00E+00	1.22E-06
10090	500234.17	3733300.33	2.73E-06	4.64E-06	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-06	4.64E-06	0.00E+00	0.00E+00	7.37E-06	4.11E-07	8.09E-07	0.00E+00	0.00E+00	1.22E-06
10091	500234.18	3733290.61	2.73E-06	4.64E-06	0.00E+00	0.00E+00	7.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-06	4.64E-06	0.00E+00	0.00E+00	7.37E-06	4.11E-07	8.09E-07	0.00E+00	0.00E+00	1.22E-06
10092	500234.19	3733280.88	2.72E-06	4.64E-06	0.00E+00	0.00E+00	7.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-06	4.64E-06	0.00E+00	0.00E+00	7.36E-06	4.10E-07	8.08E-07	0.00E+00	0.00E+00	1.22E-06
10093	500234.2	3733271.16	2.72E-06	4.63E-06	0.00E+00	0.00E+00	7.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-06	4.63E-06	0.00E+00	0.00E+00	7.34E-06	4.09E-07	8.06E-07	0.00E+00	0.00E+00	1.22E-06
10094	500234.21	3733261.43	2.71E-06	4.61E-06	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-06	4.61E-06	0.00E+00	0.00E+00	7.31E-06	4.08E-07	8.03E-07	0.00E+00	0.00E+00	1.21E-06
10095	500234.22	3733251.71	2.69E-06	4.58E-06	0.00E+00	0.00E+00	7.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	4.58E-06	0.00E+00	0.00E+00	7.28E-06	4.05E-07	7.99E-07	0.00E+00	0.00E+00	1.20E-06
10096	500234.23	3733241.98	2.68E-06	4.56E-06	0.00E+00	0.00E+00	7.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-06	4.56E-06	0.00E+00	0.00E+00	7.23E-06	4.03E-07	7.94E-07	0.00E+00	0.00E+00	1.20E-06
10097	500234.24	3733232.26	2.66E-06	4.52E-06	0.00E+00	0.00E+00	7.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	4.52E-06	0.00E+00	0.00E+00	7.18E-06	4.00E-07	7.88E-07	0.00E+00	0.00E+00	1.19E-06
10098	500234.25	3733222.53	2.64E-06	4.49E-06	0.00E+00	0.00E+00	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-06	4.49E-06	0.00E+00	0.00E+00	7.12E-06	3.97E-07	7.82E-07	0.00E+00	0.00E+00	1.18E-06
10099	500234.26	3733212.81	2.61E-06	4.45E-06	0.00E+00	0.00E+00	7.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-06	4.45E-06	0.00E+00	0.00E+00	7.06E-06	3.93E-07	7.75E-07	0.00E+00	0.00E+00	1.17E-06
10100	500234.27	3733203.09	2.59E-06	4.40E-06	0.00E+00	0.00E+00	6.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-06	4.40E-06	0.00E+00	0.00E+00	6.99E-06	3.89E-07	7.67E-07	0.00E+00	0.00E+00	1.16E-06
10101	500246.87	3733560.43	1.5E-06	2.55E-06	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	2.55E-06	0.00E+00	0.00E+00	4.04E-06	2.25E-07	4.43E-07	0.00E+00	0.00E+00	6.69E-07
10102	500243.34	3733568.92	1.51E-06	2.58E-06	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-06	2.58E-06	0.00E+00	0.00E+00	4.09E-06	2.28E-07	4.49E-07	0.00E+00	0.00E+00	6.77E-07
10103	500239.81	3733577.4	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.61E-06	0.00E+00	0.00E+00	4.14E-06	2.30E-07	4.54E-07	0.00E+00	0.00E+00	6.84E-07
10104	500227.79	3733589.39	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	2.47E-07	4.87E-07	0.00E+00	0.00E+00	7.34E-07
10105	500219.29	3733592.89	1.74E-06	2.97E-06	0.00E+00	0.00E+00	4.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	2.97E-06	0.00E+00	0.00E+00	4.71E-06	2.63E-07	5.17E-07	0.00E+00	0.00E+00	7.80E-07
10106	500254.09	3733378.15	2.01E-06	3.42E-06	0.00E+00	0.00E+00	5.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-06	3.42E-06	0.00E+00	0.00E+00	5.43E-06	3.02E-07	5.95E-07	0.00E+00	0.00E+00	8.98E-07
10107	500254.1	3733368.42	2.03E-06	3.46E-06	0.00E+00	0.00E+00	5.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-06	3.46E-06	0.00E+00	0.00E+00	5.49E-06	3.06E-07	6.02E-07	0.00E+00	0.00E+00	9.08E-07
10108	500254.11	3733358.7	2.05E-06	3.49E-06	0.00E+00	0.00E+00	5.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-06	3.49E-06	0.00E+00	0.00E+00	5.54E-06	3.09E-07	6.08E-07	0.00E+00	0.00E+00	9.17E-07
10109	500254.12	3733348.97	2.07E-06	3.52E-06	0.00E+00	0.00E+00	5.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-06	3.52E-06	0.00E+00	0.00E+00	5.58E-06	3.11E-07	6.13E-07	0.00E+00	0.00E+00	9.24E-07
10110	500254.13	3733339.25	2.08E-06	3.54E-06	0.00E+00	0.00E+00	5.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-06	3.54E-06	0.00E+00	0.00E+00	5.62E-06	3.13E-07	6.17E-07	0.00E+00	0.00E+00	9.30E-07
10111	500254.14	3733329.52	2.09E-06	3.57E-06	0.00E+00	0.00E+00	5.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-06	3.57E-06	0.00E+00	0.00E+00	5.66E-06	3.15E-07	6.21E-07	0.00E+00	0.00E+00	9.37E-07
10112	500254.15	3733319.8	2.11E-06	3.59E-06	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	3.59E-06	0.00E+00	0.00E+00	5.69E-06	3.17E-07	6.25E-07	0.00E+00	0.00E+00	9.42E-07
10113	500254.16	3733310.08	2.12E-06	3.61E-06	0.00E+00	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-06	3.61E-06	0.00E+00	0.00E+00	5.72E-06	3.19E-07	6.28E-07	0.00E+00	0.00E+00	9.47E-07
10114	500254.17	3733300.35	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.74E-06	3.20E-07	6.30E-07	0.00E+00	0.00E+00	9.50E-07
10115	500254.18	3733290.63	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.75E-06	3.21E-07	6.31E-07	0.00E+00	0.00E+00	9.52E-07
10116	500254.19	3733280.9	2.13E-06	3.63E-06	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.63E-06	0.00E+00	0.00E+00	5.76E-06	3.21E-07	6.32E-07	0.00E+00	0.00E+00	9.53E-07
10117	500254.2	3733271.18	2.13E-06	3.63E-06	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.63E-06	0.00E+00	0.00E+00	5.76E-06	3.21E-07	6.32E-07	0.00E+00	0.00E+00	9.52E-07
10118	500254.21	3733261.45	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.62E-06	0.00E+00	0.00E+00	5.74E-06	3.20E-07	6.30E-07	0.00E+00	0.00E+00	9.50E-07
10119	500254.22	3733251.73	2.12E-06	3.61E-06	0.00E+00	0.00E+00	5.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-06	3.61E-06	0.00E+00	0.00E+00	5.73E-06	3.19E-07	6.29E-07	0.00E+00	0.00E+00	9.48E-07
10120	500254.23	3733242	2.11E-06	3.60E-06	0.00E+00	0.00E+00	5.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	3.60E-06	0.00E+00	0.00E+00	5.71E-06	3.18E-07	6.27E-07	0.00E+00	0.00E+00	9.45E-07
10121	500254.24	3733232.28	2.11E-06	3.59E-06	0.00E+00	0.00E+00	5.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	3.59E-06	0.00E+00	0.00E+00	5.69E-06	3.17E-07	6.25E-07	0.00E+00	0.00E+00	9.42E-07
10122	500254.25	3733222.56	2.1E-06	3.57E-06	0.00E+00	0.00E+00	5.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	3.57E-06	0.00E+00	0.00E+00	5.67E-06	3.16E-07	6.23E-07	0.00E+00	0.00E+00	9.39E-07
10123	500270.56	3733551.56	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.55E-07
10124	500242.31	3733603.39	1.4E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	2.11E-07	4.16E-07	0.00E+00	0.00E+00	6.28E-07
10125	500226.13	3733610.06	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	2.34E-07	4.62E-07	0.00E+00	0.00E+00	6.96E-07
10126	500273.93	3733533.76	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	1.86E-07	3.67E-07	0.00E+00	0.00E+00	5.54E-07
10127	500273.96	3733504.58	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.49E-06	1.95E-07	3.84E-07	0.00E+00	0.00E+00	5.78E-07
10128	500273.97	3733494.86	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.24E-06	0.00E+00	0.00E+00	3.55E-06	1.98E-07	3.90E-07	0.00E+00	0.00E+00	5.88E-07
10129	500273.98	3733485.14	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.28E-06	0.00E+00	0.00E+00	3.61E-06	2.01E-07	3.96E-07	0.00E+00	0.00E+00	5.98E-07
10130	500273.99	3733475.41	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	2.05E-07	4.03E-07	0.00E+00	0.00E+00	6.08E-07
10131	500274	3733465.69	1.39E-06	2.36E-06	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-06	2.36E-06	0.00E+00	0.00E+00	3.74E-06	2.09E-07	4.11E-07	0.00E+00	0.00E+00	6.19E-07
10132	500274.01	3733455.96	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	2.12E-07	4.18E-07	0.00E+00	0.00E+00	6.31E-07
10133	500274.02	3733446.24	1.44E-06	2.44E-06	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.44E-06	0.00E+00	0.00E+00	3.88E-06	2.16E-07	4.26E-07	0.00E+00	0.00E+00	6.42E-07
10134	500274.05	3733417.06	1.51E-06	2.57E-06	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-06	2.57E-06	0.00E+00	0.00E+00	4.09E-06	2.28E-07	4.48E-07	0.00E+00	0.00E+00	6.76E-07
10135	500274.06	3733407.34	1.54E-06	2.61E-06	0.00E+00	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	2.61E-06	0.00E+00	0.00E+00	4.15E-06	2.31E-07	4.55E-07	0.00E+00	0.00E+00	6.87E-07
10136	500274.07	3733397.62	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	2.65E-06	0.00E+00	0.00E+00	4.21E-06	2.35E-07	4.62E-07	0.00E+00	0.00E+00	6.97E-07

10137	500274.08	3733387.89	1.58E-06	2.69E-06	0.00E+00	0.00E+00	4.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-06	2.69E-06	0.00E+00	0.00E+00	4.27E-06	2.38E-07	4.69E-07	0.00E+00	0.00E+00	7.06E-07
10138	500274.09	3733378.17	1.6E-06	2.72E-06	0.00E+00	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-06	2.72E-06	0.00E+00	0.00E+00	4.32E-06	2.41E-07	4.74E-07	0.00E+00	0.00E+00	7.15E-07
10139	500274.1	3733368.44	1.62E-06	2.75E-06	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	2.75E-06	0.00E+00	0.00E+00	4.37E-06	2.44E-07	4.80E-07	0.00E+00	0.00E+00	7.23E-07
10140	500274.13	3733339.27	1.66E-06	2.83E-06	0.00E+00	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-06	2.83E-06	0.00E+00	0.00E+00	4.49E-06	2.50E-07	4.93E-07	0.00E+00	0.00E+00	7.44E-07
10141	500274.14	3733329.54	1.68E-06	2.85E-06	0.00E+00	0.00E+00	4.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	2.85E-06	0.00E+00	0.00E+00	4.53E-06	2.52E-07	4.97E-07	0.00E+00	0.00E+00	7.49E-07
10142	500274.15	3733319.82	1.69E-06	2.87E-06	0.00E+00	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	2.87E-06	0.00E+00	0.00E+00	4.56E-06	2.54E-07	5.01E-07	0.00E+00	0.00E+00	7.55E-07
10143	500274.16	3733310.1	1.7E-06	2.89E-06	0.00E+00	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-06	2.89E-06	0.00E+00	0.00E+00	4.59E-06	2.56E-07	5.04E-07	0.00E+00	0.00E+00	7.59E-07
10144	500274.17	3733300.37	1.71E-06	2.91E-06	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.91E-06	0.00E+00	0.00E+00	4.61E-06	2.57E-07	5.06E-07	0.00E+00	0.00E+00	7.63E-07
10145	500274.18	3733290.65	1.71E-06	2.92E-06	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.92E-06	0.00E+00	0.00E+00	4.63E-06	2.58E-07	5.08E-07	0.00E+00	0.00E+00	7.66E-07
10146	500274.19	3733280.92	1.72E-06	2.92E-06	0.00E+00	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	2.92E-06	0.00E+00	0.00E+00	4.64E-06	2.59E-07	5.10E-07	0.00E+00	0.00E+00	7.68E-07
10147	500274.22	3733251.75	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.66E-06	2.59E-07	5.11E-07	0.00E+00	0.00E+00	7.70E-07
10148	500274.23	3733242.02	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	2.59E-07	5.11E-07	0.00E+00	0.00E+00	7.70E-07
10149	500274.24	3733232.3	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	2.59E-07	5.11E-07	0.00E+00	0.00E+00	7.70E-07
10150	500274.25	3733222.58	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	2.93E-06	0.00E+00	0.00E+00	4.65E-06	2.59E-07	5.10E-07	0.00E+00	0.00E+00	7.69E-07
10151	500290.25	3733552.34	1.07E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	1.61E-07	3.16E-07	0.00E+00	0.00E+00	4.77E-07
10152	500286.57	3733561.18	1.08E-06	1.85E-06	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.85E-06	0.00E+00	0.00E+00	2.93E-06	1.63E-07	3.22E-07	0.00E+00	0.00E+00	4.85E-07
10153	500282.9	3733570.02	1.1E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.88E-06	0.00E+00	0.00E+00	2.98E-06	1.66E-07	3.27E-07	0.00E+00	0.00E+00	4.93E-07
10154	500279.22	3733578.86	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.90E-06	0.00E+00	0.00E+00	3.02E-06	1.68E-07	3.32E-07	0.00E+00	0.00E+00	5.00E-07
10155	500275.55	3733587.7	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	1.93E-06	0.00E+00	0.00E+00	3.06E-06	1.71E-07	3.36E-07	0.00E+00	0.00E+00	5.07E-07
10156	500255.67	3733617.86	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.10E-06	0.00E+00	0.00E+00	3.33E-06	1.86E-07	3.66E-07	0.00E+00	0.00E+00	5.51E-07
10157	500246.82	3733621.51	1.3E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.21E-06	0.00E+00	0.00E+00	3.51E-06	1.96E-07	3.85E-07	0.00E+00	0.00E+00	5.81E-07
10158	500237.97	3733625.16	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	2.33E-06	0.00E+00	0.00E+00	3.69E-06	2.06E-07	4.05E-07	0.00E+00	0.00E+00	6.11E-07
10159	500229.12	3733628.81	1.44E-06	2.44E-06	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.44E-06	0.00E+00	0.00E+00	3.88E-06	2.16E-07	4.26E-07	0.00E+00	0.00E+00	6.42E-07
10160	500220.27	3733632.46	1.51E-06	2.56E-06	0.00E+00	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-06	2.56E-06	0.00E+00	0.00E+00	4.07E-06	2.27E-07	4.47E-07	0.00E+00	0.00E+00	6.73E-07
10161	500293.92	3733543.5	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.58E-07	3.11E-07	0.00E+00	0.00E+00	4.68E-07
10162	500293.93	3733533.78	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	1.59E-07	3.14E-07	0.00E+00	0.00E+00	4.73E-07
10163	500293.96	3733504.61	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.96E-06	1.65E-07	3.24E-07	0.00E+00	0.00E+00	4.89E-07
10164	500293.97	3733494.88	1.11E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.88E-06	0.00E+00	0.00E+00	2.99E-06	1.67E-07	3.28E-07	0.00E+00	0.00E+00	4.95E-07
10165	500293.98	3733485.16	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	1.69E-07	3.33E-07	0.00E+00	0.00E+00	5.01E-07
10166	500293.99	3733475.43	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.07E-06	1.71E-07	3.37E-07	0.00E+00	0.00E+00	5.08E-07
10167	500294	3733465.71	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.12E-06	1.74E-07	3.42E-07	0.00E+00	0.00E+00	5.16E-07
10168	500294.01	3733455.98	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.99E-06	0.00E+00	0.00E+00	3.16E-06	1.76E-07	3.47E-07	0.00E+00	0.00E+00	5.23E-07
10169	500294.02	3733446.26	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	1.79E-07	3.52E-07	0.00E+00	0.00E+00	5.31E-07
10170	500294.05	3733417.09	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.55E-07
10171	500294.06	3733407.36	1.26E-06	2.14E-06	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	2.14E-06	0.00E+00	0.00E+00	3.40E-06	1.89E-07	3.73E-07	0.00E+00	0.00E+00	5.63E-07
10172	500294.07	3733397.64	1.28E-06	2.17E-06	0.00E+00	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.17E-06	0.00E+00	0.00E+00	3.45E-06	1.92E-07	3.78E-07	0.00E+00	0.00E+00	5.70E-07
10173	500294.08	3733387.91	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.20E-06	0.00E+00	0.00E+00	3.49E-06	1.94E-07	3.83E-07	0.00E+00	0.00E+00	5.77E-07
10174	500294.09	3733378.19	1.31E-06	2.22E-06	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	2.22E-06	0.00E+00	0.00E+00	3.53E-06	1.97E-07	3.87E-07	0.00E+00	0.00E+00	5.84E-07
10175	500294.1	3733368.46	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	2.25E-06	0.00E+00	0.00E+00	3.57E-06	1.99E-07	3.92E-07	0.00E+00	0.00E+00	5.91E-07
10176	500294.13	3733339.29	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	2.05E-07	4.04E-07	0.00E+00	0.00E+00	6.09E-07
10177	500294.14	3733329.57	1.37E-06	2.34E-06	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	2.34E-06	0.00E+00	0.00E+00	3.71E-06	2.07E-07	4.07E-07	0.00E+00	0.00E+00	6.14E-07
10178	500294.15	3733319.84	1.38E-06	2.36E-06	0.00E+00	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06	2.36E-06	0.00E+00	0.00E+00	3.74E-06	2.08E-07	4.10E-07	0.00E+00	0.00E+00	6.19E-07
10179	500294.16	3733310.12	1.39E-06	2.37E-06	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-06	2.37E-06	0.00E+00	0.00E+00	3.76E-06	2.10E-07	4.13E-07	0.00E+00	0.00E+00	6.23E-07
10180	500294.17	3733300.39	1.4E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.39E-06	0.00E+00	0.00E+00	3.79E-06	2.11E-07	4.16E-07	0.00E+00	0.00E+00	6.27E-07
10181	500294.18	3733290.67	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	2.40E-06	0.00E+00	0.00E+00	3.81E-06	2.12E-07	4.18E-07	0.00E+00	0.00E+00	6.30E-07
10182	500294.19	3733280.94	1.42E-06	2.41E-06	0.00E+00	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	2.41E-06	0.00E+00	0.00E+00	3.83E-06	2.13E-07	4.20E-07	0.00E+00	0.00E+00	6.33E-07
10183	500294.22	3733251.77	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.43E-06	0.00E+00	0.00E+00	3.87E-06	2.15E-07	4.24E-07	0.00E+00	0.00E+00	6.40E-07
10184	500294.23	3733242.05	1.43E-06	2.44E-06	0.00E+00	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	2.44E-06	0.00E+00	0.00E+00	3.87E-06	2.16E-07	4.25E-07	0.00E+00	0.00E+00	6.41E-07
10185	500294.24	3733232.32	1.44E-06	2.44E-06	0.00E+00	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.44E-06	0.00E+00	0.00E+00	3.88E-06	2.16E-07	4.26E-07	0.00E+00	0.00E+00	6.42E-07
10186	500294.25	3733222.6	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.16E-07	4.26E-07	0.00E+00	0.00E+00	6.43E-07
10187	500294.26	3733212.87	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.17E-07	4.27E-07	0.00E+00	0.00E+00	6.43E-07
10188	500294.27	3733203.15	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	2.45E-06	0.00E+00	0.00E+00	3.89E-06	2.17E-07	4.27E-07	0.00E+00	0.00E+00	6.43E-07
10189	500310.39	3733552.01	9.25E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.74E-07	0.00E+00	0.00E+00	4.14E-07
10190	500306.87	3733560.49	9.41E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.21E-07
10191	500303.34	3733568.98	9.56E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-07	1.63E-06	0.00E+00	0.00E+00	2.58E-06	1.44E-07	2.84E-07	0.00E+00	0.00E+00	4.27E-07
10192	500299.81	3733577.47	9.71E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.88E-07	0.00E+00	0.00E+00	4.34E-07
10193	500296.28	3733585.95	9.85E-07	1.68E-06	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-07	1.68E-06	0.00E+00	0.00E+00	2.66E-06	1.48E-07	2.92E-07	0.00E+00	0.00E+00	4.40E-07
10194	500285.7	3733611.41	1.02E-06	1.74E-06	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	1.74E-06	0.00E+00	0.00E+00	2.76E-06	1.54E-07	3.03E-07	0.00E+00	0.00E+00	4.57E-07
10195	500282.17	3733619.89	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.76E-06	0.00E+00	0.00E+00	2.79E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.61E-07
10196	500270.15	3733631.88	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.86E-06	0.00E+00	0.00E+00	2.95E-06	1.64E-07	3.23E-07	0.00E+00	0.00E+00	4.87E-07
10197	500261.65	3733635.38	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.94E-06	0.00E+00	0.00E+00	3.09E-06	1.72E-07	3.39E-07	0.00E+00	0.00E+00	5.11E-07
10198	500253.16	3733638.89	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.03E-06	0.00E+00	0.00E+00	3.23E-06	1.80E-07	3.54E-07	0.00E+00	0.00E+00	5.34E-07
10199	500244.66	3733642.39	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	1.88E-07	3.71E-07	0.00E+00	0.00E+00	5.59E-07
10200	500236.16	3733645.89	1.3E-06	2.22E-06	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.22E-06	0.00E+00	0.00E+00	3.53E-06	1.96E-07	3.87E-07	0.00E+00	0.00E+00	5.83E-07
10201	500227.67	3733649.39	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.32E-06	0.00E+00	0.00E+00	3.68E-06	2.05E-07	4.04E-07	0.00E+00	0.00E+00	6.08E-07
10202	500313.92	3733543.52	9.1E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.07E-07
10203	500313.93	3733533.8	9.17E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.72E-07	0.00E+00	0.00E+00	4.10E-07
10204	500313.96	3733504.63	9.4E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-07	1.60E-06	0.00E+00	0.00E+00	2.54E-06	1.42E-07	2.79E-07	0.00E+00	0.00E+00	4.20E-07
10205	500313.97	3733494.9	9.49E-07	1.62E-06	0.00E+00	0.00E+00	2.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-07	1.62E-06	0.00E+00	0.00E+00	2.56E-06	1.43E-07	2.81E-07	0.00E+00	0.00E+00	4.24E-07
10206	500313.98	3733485.18	9.58E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	1.44E-07	2.84E-07	0.00E+00	0.00E+00	4.29E-07
10207	500313.99	3733475.45	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.33E-07
10208	500314	3733465.73	9.79E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.47E-07	2.90E-07	0.00E+00	0.00E+00	4.38E-07
10209	500314.01	3733456	9.9E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-07	1.69E-06	0.00E+00	0.00E+00	2.68E-06	1.49E-07	2.94E-07	0.00E+00	0.00E+00	4.43E-07
10210	500314.02	3733446.28	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.48E-07
10211	500314.05	3733417.11	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.57E-07	3.08E-07	0.00E+00	0.00E+00	4.65E-07
10212	500314.06	3733407.38	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.84E-06	1.58E-07	3.12E-07	0.00E+00	0.00E+00	4.70E-07
10213	500314.07	3733397.66	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.81E-06	0.00E+00	0.00E+00	2.88E-06	1.60E-07	3.16E-07	0.00E+00	0.00E+00	4.76E-07
10214	500314.08	3733387.93	1.08E-06	1.83E-06	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.83E-06	0.00E+00	0.00E+00	2.91E-06	1.62E-07	3.19E-07	0.00E+00	0.00E+00	4.81E-07
10215	500314.09	3733378.21	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	1.85E-06	0.00E+00	0.00E+00	2.94E-06	1.64E-07	3.23E-07	0.00E+00	0.00E+00	4.87E-07
10216	500314.1	3733368.48	1.1E-06	1.87E-06	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.87E-06	0.00E+00	0.00E+00	2.98E-06	1.66E-07	3.27E-07	0.00E+00	0.00E+00	4.92E-07
10217	500314.13	3733339.31	1.14E-06	1.93E-06	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.93E-06	0.00E+00	0.00E+00	3.07E-06	1.71E-07	3.37E-07	0.00E+00	0.00E+00	5.08E-07
10218	500314.14	3733329.59	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.95E-06	0.00E+00	0.00E+00	3.10E-06	1.73E-07	3.40E-07	0.00E+00	0.00E+00	5.12E-07
10219	500314.15	3733319.86	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.97E-06	0.00E+00	0.00E+00	3.12E-06	1.74E-07	3.43E-07	0.00E+00	0.00E+00	5.17E-07
10220	500314.16	3733310.14	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.15E-06	1.75E-07	3.45E-07	0.00E+00	0.00E+00	5.21E-07
10221	500314.17	3733300.41	1.17E-06	2.00E-06	0.00E+00	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	2.00E-06	0.00E+00	0.00E+00	3.17E-06	1.77E-07	3.48E-07	0.00E+00	0.00E+00	5.25E-07
10222	500314.18	3733290.69	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.01E-06	0.00E+00	0.00E+00	3.19E-06	1.78E-07	3.50E-07	0.00E+00	0.00E+00	5.28E-07
10223	500314.19	3733280.96	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.02E-06	0.00E+00	0.00E+00	3.21E-06	1.79E-07	3.52E-07	0.00E+00	0.00E+00	5.31E-07
10224	500314.22	3733251.79	1.21E-06	2.05E-06	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.05E-06	0.00E+00	0.00E+00	3.26E-06	1.81E-07	3.58E-07	0.00E+00	0.00E+00	5.39E-07
10225	500314.23	3733242.07	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.06E-06	0.00E+00	0.00E+00	3.27E-06	1.82E-07	3.59E-07	0.00E+00	0.00E+00	5.41E-07
10226	500314.24	3733232.34	1.22E-06	2.07E-06	0.00E+00	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.07E-06	0.00E+00	0.00E+00	3.28E-06	1.83E-07	3.60E-07	0.00E+00	0.00E+00	5.43E-07
10227	500314.25	3733222.62	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.30E-06	1.84E-07	3.62E-07	0.00E+00	0.00E+00	5.45E-07
10228	500314.26	3733212.89	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.08E-06	0.00E+00	0.00E+00	3.31E-06	1.84E-07	3.63E-07	0.00E+00	0.00E+00	5.47E-07
10229	500314.27	3733203.17	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	2.09E-06	0.00E+00	0.00E+00	3.31E-06	1.85E-07	3.64E-07	0.00E+00	0.00E+00	5.48E-07
10230	500330.49	3733551.79	8.11E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	1.22E-07	2.41E-07	0.00E+00	0.00E+00	3.63E-07
10231	500323.63	3733568.29	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.48E-07	0.00E+00	0.00E+00	3.75E-07
10232	500316.77	3733584.79	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.86E-07
10233	500303.05	3733617.79	9.09E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.06E-07
10234	500296.2	3733634.29	9.27E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-07	1.58E-06	0.00E+00	0.00E+00	2.50E-06	1.40E-07	2.75E-07	0.00E+00	0.00E+00	4.14E-07
10235	500284.51	3733645.95	9.75E-07	1.66E-06	0.00E+00	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-07	1.66E-06	0.00E+00	0.00E+00	2.63E-06	1.47E-07	2.89E-07	0.00E+00	0.00E+00	4.36E-07
10236	500267.99	3733652.76	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	1.80E-06	0.00E+00	0.00E+00	2.86E-06	1.60E-07	3.14E-07	0.00E+00	0.00E+00	4.74E-07
10237	500251.46	3733659.57	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	1.96E-06	0.00E+00	0.00E+00	3.11E-06	1.73E-07	3.41E-07	0.00E+00	0.00E+00	5.14E-07
10238	500234.94	3733666.38	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.11E-06	0.00E+00	0.00E+00	3.35E-06	1.87E-07	3.68E-07	0.00E+00	0.00E+00	5.55E-07
10239	500333.93	3733533.82	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.59E-07
10240	500333.96	3733504.65	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-07	1.39E-06	0.00E+00	0.00E+00	2.21E-06	1.23E-07	2.43E-07	0.00E+00	0.00E+00	3.66E-07
10241	500333.97	3733494.92	8.24E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-07	1.40E-06	0.00E+00	0.00E+00	2.23E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.69E-07
10242	500333.98	3733485.2	8.3E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.71E-07
10243	500333.99	3733475.47	8.37E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-07	1.42E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.48E-07	0.00E+00	0.00E+00	3.74E-07
10244	500334	3733465.75	8.44E-07	1.44E-06	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-07	1.44E-06	0.00E+00	0.00E+00	2.28E-06	1.27E-07	2.50E-07	0.00E+00	0.00E+00	3.77E-07
10245	500334.01	3733456.02	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-07	1.45E-06	0.00E+00	0.00E+00	2.30E-06	1.28E-07	2.53E-07	0.00E+00	0.00E+00	3.81E-07
10246	500334.02	3733446.3	8.6E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.85E-07
10247	500334.04	3733426.85	8.77E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-07	1.49E-06	0.00E+00	0.00E+00	2.37E-06	1.32E-07	2.60E-07	0.00E+00	0.00E+00	3.92E-07
10248	500334.05	3733417.13	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	1.33E-07	2.63E-07	0.00E+00	0.00E+00	3.96E-07
10249	500334.06	3733407.4	8.95E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-07	1.52E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.66E-07	0.00E+00	0.00E+00	4.00E-07
10250	500334.07	3733397.68	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.68E-07	0.00E+00	0.00E+00	4.04E-07
10251	500334.08	3733387.95	9.14E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-07	1.56E-06	0.00E+00	0.00E+00	2.47E-06	1.38E-07	2.71E-07	0.00E+00	0.00E+00	4.09E-07
10252	500334.09	3733378.23	9.24E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.74E-07	0.00E+00	0.00E+00	4.13E-07
10253	500334.1	3733368.5	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	1.41E-07	2.77E-07	0.00E+00	0.00E+00	4.17E-07
10254	500334.13	3733339.33	9.62E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-07	1.64E-06	0.00E+00	0.00E+00	2.60E-06	1.45E-07	2.85E-07	0.00E+00	0.00E+00	4.30E-07
10255	500334.14	3733329.61	9.71E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.88E-07	0.00E+00	0.00E+00	4.34E-07
10256	500334.15	3733319.88	9.79E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.47E-07	2.90E-07	0.00E+00	0.00E+00	4.38E-07
10257	500334.16	3733310.16	9.87E-07	1.68E-06	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-07	1.68E-06	0.00E+00	0.00E+00	2.67E-06	1.49E-07	2.93E-07	0.00E+00	0.00E+00	4.41E-07
10258	500334.17	3733300.43	9.95E-07	1.69E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-07	1.69E-06	0.00E+00	0.00E+00	2.69E-06	1.50E-07	2.95E-07	0.00E+00	0.00E+00	4.45E-07
10259	500334.18	3733290.71	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.48E-07
10260	500334.19	3733280.98	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.73E-06	1.52E-07	2.99E-07	0.00E+00	0.00E+00	4.52E-07
10261	500334.22	3733251.81	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	1.75E-06	0.00E+00	0.00E+00	2.78E-06	1.55E-07	3.06E-07	0.00E+00	0.00E+00	4.61E-07
10262	500334.23	3733242.09	1.04E-06	1.76E-06	0.00E+00	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.76E-06	0.00E+00	0.00E+00	2.80E-06	1.56E-07	3.07E-07	0.00E+00	0.00E+00	4.63E-07
10263	500334.24	3733232.36	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.82E-06	1.57E-07	3.09E-07	0.00E+00	0.00E+00	4.66E-07
10264	500334.25	3733222.64	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.58E-07	3.11E-07	0.00E+00	0.00E+00	4.68E-07
10265	500334.26	3733212.91	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.79E-06	0.00E+00	0.00E+00	2.85E-06	1.59E-07	3.12E-07	0.00E+00	0.00E+00	4.71E-07
10266	500350.3	3733552.27	7.18E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.21E-07

10267	500346.68	3733560.97	7.3E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
10268	500343.07	3733569.67	7.43E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-07	1.26E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
10269	500339.45	3733578.38	7.55E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
10270	500335.83	3733587.08	7.67E-07	1.31E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-07	1.31E-06	0.00E+00	0.00E+00	2.07E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.43E-07
10271	500324.98	3733613.19	8.02E-07	1.36E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-07	1.36E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.58E-07
10272	500321.36	3733621.89	8.12E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-07	1.38E-06	0.00E+00	0.00E+00	2.19E-06	1.22E-07	2.41E-07	0.00E+00	0.00E+00	3.63E-07
10273	500317.74	3733630.6	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.67E-07
10274	500314.12	3733639.3	8.3E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-07	1.41E-06	0.00E+00	0.00E+00	2.24E-06	1.25E-07	2.46E-07	0.00E+00	0.00E+00	3.71E-07
10275	500310.5	3733648	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
10276	500298.17	3733660.3	8.82E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.62E-07	0.00E+00	0.00E+00	3.94E-07
10277	500289.46	3733663.89	9.2E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-07	1.57E-06	0.00E+00	0.00E+00	2.49E-06	1.39E-07	2.73E-07	0.00E+00	0.00E+00	4.11E-07
10278	500280.74	3733667.48	9.59E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-07	1.63E-06	0.00E+00	0.00E+00	2.59E-06	1.44E-07	2.84E-07	0.00E+00	0.00E+00	4.29E-07
10279	500272.03	3733671.07	9.99E-07	1.70E-06	0.00E+00	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-07	1.70E-06	0.00E+00	0.00E+00	2.70E-06	1.50E-07	2.96E-07	0.00E+00	0.00E+00	4.47E-07
10280	500263.32	3733674.67	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.57E-07	3.08E-07	0.00E+00	0.00E+00	4.65E-07
10281	500254.6	3733678.26	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.84E-06	0.00E+00	0.00E+00	2.92E-06	1.63E-07	3.21E-07	0.00E+00	0.00E+00	4.83E-07
10282	500245.89	3733681.85	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.91E-06	0.00E+00	0.00E+00	3.03E-06	1.69E-07	3.33E-07	0.00E+00	0.00E+00	5.02E-07
10283	500237.17	3733685.44	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	1.98E-06	0.00E+00	0.00E+00	3.14E-06	1.75E-07	3.45E-07	0.00E+00	0.00E+00	5.20E-07
10284	500228.46	3733689.03	1.21E-06	2.05E-06	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.05E-06	0.00E+00	0.00E+00	3.26E-06	1.81E-07	3.57E-07	0.00E+00	0.00E+00	5.39E-07
10285	500219.75	3733692.62	1.25E-06	2.12E-06	0.00E+00	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.12E-06	0.00E+00	0.00E+00	3.37E-06	1.88E-07	3.69E-07	0.00E+00	0.00E+00	5.57E-07
10286	500353.92	3733543.56	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
10287	500353.93	3733533.84	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.10E-07	0.00E+00	0.00E+00	3.17E-07
10288	500353.96	3733504.67	7.19E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-07	1.22E-06	0.00E+00	0.00E+00	1.94E-06	1.08E-07	2.13E-07	0.00E+00	0.00E+00	3.22E-07
10289	500353.97	3733494.94	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
10290	500353.98	3733485.22	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.09E-07	2.16E-07	0.00E+00	0.00E+00	3.25E-07
10291	500353.99	3733475.49	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
10292	500354	3733465.77	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
10293	500354.01	3733456.04	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
10294	500354.02	3733446.32	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.34E-07
10295	500354.05	3733417.15	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.43E-07
10296	500354.06	3733407.42	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-07	1.32E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.46E-07
10297	500354.07	3733397.7	7.8E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-07	1.33E-06	0.00E+00	0.00E+00	2.11E-06	1.17E-07	2.31E-07	0.00E+00	0.00E+00	3.49E-07
10298	500354.08	3733387.97	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
10299	500354.09	3733378.25	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-07	1.35E-06	0.00E+00	0.00E+00	2.15E-06	1.20E-07	2.36E-07	0.00E+00	0.00E+00	3.55E-07
10300	500354.1	3733368.52	8.02E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.59E-07
10301	500354.13	3733339.35	8.26E-07	1.41E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-07	1.41E-06	0.00E+00	0.00E+00	2.23E-06	1.24E-07	2.45E-07	0.00E+00	0.00E+00	3.69E-07
10302	500354.14	3733329.63	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.73E-07
10303	500354.15	3733319.9	8.41E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.27E-07	2.49E-07	0.00E+00	0.00E+00	3.76E-07
10304	500354.16	3733310.18	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-07	1.44E-06	0.00E+00	0.00E+00	2.29E-06	1.28E-07	2.51E-07	0.00E+00	0.00E+00	3.79E-07
10305	500354.17	3733300.45	8.55E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-07	1.46E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.54E-07	0.00E+00	0.00E+00	3.82E-07
10306	500354.18	3733290.73	8.62E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-07	1.47E-06	0.00E+00	0.00E+00	2.33E-06	1.30E-07	2.56E-07	0.00E+00	0.00E+00	3.86E-07
10307	500354.19	3733281	8.7E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-07	1.48E-06	0.00E+00	0.00E+00	2.35E-06	1.31E-07	2.58E-07	0.00E+00	0.00E+00	3.89E-07
10308	500354.22	3733251.83	8.9E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-07	1.52E-06	0.00E+00	0.00E+00	2.41E-06	1.34E-07	2.64E-07	0.00E+00	0.00E+00	3.98E-07
10309	500354.23	3733242.11	8.97E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-07	1.53E-06	0.00E+00	0.00E+00	2.42E-06	1.35E-07	2.66E-07	0.00E+00	0.00E+00	4.01E-07
10310	500354.24	3733232.38	9.03E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.68E-07	0.00E+00	0.00E+00	4.04E-07
10311	500354.25	3733222.66	9.09E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-07	1.55E-06	0.00E+00	0.00E+00	2.46E-06	1.37E-07	2.70E-07	0.00E+00	0.00E+00	4.07E-07
10312	500370.39	3733552.07	6.39E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.62E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
10313	500366.86	3733560.56	6.5E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.79E-08	1.93E-07	0.00E+00	0.00E+00	2.91E-07
10314	500363.34	3733569.04	6.61E-07	1.12E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-07	1.12E-06	0.00E+00	0.00E+00	1.79E-06	9.95E-08	1.96E-07	0.00E+00	0.00E+00	2.95E-07
10315	500359.81	3733577.53	6.72E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
10316	500356.28	3733586.01	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
10317	500342.17	3733619.96	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
10318	500338.65	3733628.44	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	1.25E-06	0.00E+00	0.00E+00	1.98E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
10319	500335.12	3733636.93	7.41E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.31E-07
10320	500312.51	3733674.37	8.01E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.58E-07
10321	500304.02	3733677.87	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
10322	500295.52	3733681.38	8.66E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	1.30E-07	2.57E-07	0.00E+00	0.00E+00	3.87E-07
10323	500287.02	3733684.88	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.67E-07	0.00E+00	0.00E+00	4.02E-07
10324	500278.53	3733688.38	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-07	1.59E-06	0.00E+00	0.00E+00	2.52E-06	1.41E-07	2.77E-07	0.00E+00	0.00E+00	4.17E-07
10325	500270.03	3733691.88	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.87E-07	0.00E+00	0.00E+00	4.33E-07
10326	500261.53	3733695.38	1E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	1.71E-06	0.00E+00	0.00E+00	2.71E-06	1.51E-07	2.97E-07	0.00E+00	0.00E+00	4.48E-07
10327	500253.04	3733698.89	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	1.77E-06	0.00E+00	0.00E+00	2.81E-06	1.56E-07	3.08E-07	0.00E+00	0.00E+00	4.64E-07
10328	500244.54	3733702.39	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	1.83E-06	0.00E+00	0.00E+00	2.90E-06	1.62E-07	3.18E-07	0.00E+00	0.00E+00	4.80E-07
10329	500236.05	3733705.89	1.11E-06	1.89E-06	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.89E-06	0.00E+00	0.00E+00	2.99E-06	1.67E-07	3.29E-07	0.00E+00	0.00E+00	4.96E-07
10330	500227.55	3733709.39	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	1.95E-06	0.00E+00	0.00E+00	3.09E-06	1.72E-07	3.39E-07	0.00E+00	0.00E+00	5.11E-07
10331	500373.92	3733543.59	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.46E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
10332	500373.93	3733533.86	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.49E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
10333	500373.94	3733524.14	6.33E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-07	1.08E-06	0.00E+00	0.00E+00	1.71E-06	9.53E-08	1.88E-07	0.00E+00	0.00E+00	2.83E-07
10334	500373.96	3733504.69	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.59E-08	1.89E-07	0.00E+00	0.00E+00	2.85E-07
10335	500373.97	3733494.96	6.4E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.63E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
10336	500373.98	3733485.24	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.67E-08	1.91E-07	0.00E+00	0.00E+00	2.87E-07
10337	500373.99	3733475.51	6.45E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-07	1.10E-06	0.00E+00	0.00E+00	1.74E-06	9.72E-08	1.91E-07	0.00E+00	0.00E+00	2.89E-07
10338	500374	3733465.79	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.77E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
10339	500374.01	3733456.07	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.82E-08	1.93E-07	0.00E+00	0.00E+00	2.92E-07
10340	500374.05	3733417.17	6.7E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
10341	500374.06	3733407.44	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-07	1.15E-06	0.00E+00	0.00E+00	1.82E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
10342	500374.07	3733397.72	6.8E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.02E-07	2.02E-07	0.00E+00	0.00E+00	3.04E-07
10343	500374.08	3733387.99	6.86E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-07	1.17E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.07E-07
10344	500374.09	3733378.27	6.92E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.09E-07
10345	500374.1	3733368.55	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.07E-07	0.00E+00	0.00E+00	3.12E-07
10346	500374.14	3733329.65	7.24E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.24E-07
10347	500374.15	3733319.92	7.3E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-07	1.24E-06	0.00E+00	0.00E+00	1.97E-06	1.10E-07	2.17E-07	0.00E+00	0.00E+00	3.27E-07
10348	500374.16	3733310.2	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
10349	500374.17	3733300.47	7.43E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
10350	500374.18	3733290.75	7.5E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
10351	500374.22	3733251.85	7.77E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-07	1.32E-06	0.00E+00	0.00E+00	2.10E-06	1.17E-07	2.30E-07	0.00E+00	0.00E+00	3.47E-07
10352	500374.23	3733242.13	7.83E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.50E-07
10353	500374.24	3733232.4	7.9E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.19E-07	2.34E-07	0.00E+00	0.00E+00	3.53E-07
10354	500390.25	3733552.44	5.74E-07	9.76E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	9.76E-07	0.00E+00	0.00E+00	1.55E-06	8.64E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
10355	500386.57	3733561.28	5.84E-07	9.93E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-07	9.93E-07	0.00E+00	0.00E+00	1.58E-06	8.79E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
10356	500382.9	3733570.12	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.94E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
10357	500379.22	3733578.96	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.09E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
10358	500375.55	3733587.8	6.14E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.04E-06	0.00E+00	0.00E+00	1.66E-06	9.24E-08	1.82E-07	0.00E+00	0.00E+00	2.74E-07
10359	500360.85	3733623.16	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.82E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
10360	500357.18	3733632	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-07	1.13E-06	0.00E+00	0.00E+00	1.79E-06	9.96E-08	1.96E-07	0.00E+00	0.00E+00	2.96E-07
10361	500353.5	3733640.84	6.7E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
10362	500308.58	3733695.98	7.93E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.54E-07
10363	500299.73	3733699.63	8.23E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.68E-07
10364	500290.88	3733703.27	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-07	1.45E-06	0.00E+00	0.00E+00	2.31E-06	1.29E-07	2.53E-07	0.00E+00	0.00E+00	3.82E-07
10365	500282.03	3733706.92	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-07	1.51E-06	0.00E+00	0.00E+00	2.39E-06	1.33E-07	2.63E-07	0.00E+00	0.00E+00	3.96E-07
10366	500273.18	3733710.57	9.17E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-07	1.56E-06	0.00E+00	0.00E+00	2.48E-06	1.38E-07	2.72E-07	0.00E+00	0.00E+00	4.10E-07
10367	500264.33	3733714.22	9.5E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	1.43E-07	2.82E-07	0.00E+00	0.00E+00	4.25E-07
10368	500255.48	3733717.86	9.82E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-07	1.67E-06	0.00E+00	0.00E+00	2.65E-06	1.48E-07	2.91E-07	0.00E+00	0.00E+00	4.39E-07
10369	500246.63	3733721.51	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.73E-06	0.00E+00	0.00E+00	2.74E-06	1.53E-07	3.01E-07	0.00E+00	0.00E+00	4.53E-07
10370	500237.78	3733725.16	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	1.78E-06	0.00E+00	0.00E+00	2.83E-06	1.57E-07	3.10E-07	0.00E+00	0.00E+00	4.68E-07
10371	500228.93	3733728.81	1.08E-06	1.83E-06	0.00E+00	0.00E+00	2.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	1.83E-06	0.00E+00	0.00E+00	2.91E-06	1.62E-07	3.19E-07	0.00E+00	0.00E+00	4.82E-07
10372	500220.08	3733732.46	1.11E-06	1.89E-06	0.00E+00	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	1.89E-06	0.00E+00	0.00E+00	2.99E-06	1.67E-07	3.29E-07	0.00E+00	0.00E+00	4.95E-07
10373	500393.92	3733543.61	5.64E-07	9.59E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	9.59E-07	0.00E+00	0.00E+00	1.52E-06	8.49E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
10374	500393.93	3733533.88	5.65E-07	9.62E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	9.62E-07	0.00E+00	0.00E+00	1.53E-06	8.50E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
10375	500393.94	3733524.16	5.66E-07	9.64E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	9.64E-07	0.00E+00	0.00E+00	1.53E-06	8.52E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
10376	500393.95	3733514.43	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	8.54E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
10377	500393.96	3733504.71	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	9.68E-07	0.00E+00	0.00E+00	1.54E-06	8.57E-08	1.69E-07	0.00E+00	0.00E+00	2.54E-07
10378	500393.97	3733494.98	5.71E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	8.59E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
10379	500393.98	3733485.26	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	8.62E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
10380	500393.99	3733475.53	5.74E-07	9.78E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	9.78E-07	0.00E+00	0.00E+00	1.55E-06	8.65E-08	1.70E-07	0.00E+00	0.00E+00	2.57E-07
10381	500394	3733465.81	5.77E-07	9.81E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.81E-07	0.00E+00	0.00E+00	1.56E-06	8.68E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
10382	500394.01	3733456.09	5.79E-07	9.86E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	9.86E-07	0.00E+00	0.00E+00	1.56E-06	8.72E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
10383	500394.02	3733446.36	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-07	9.90E-07	0.00E+00	0.00E+00	1.57E-06	8.76E-08	1.73E-07	0.00E+00	0.00E+00	2.60E-07
10384	500394.03	3733436.64	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-07	9.96E-07	0.00E+00	0.00E+00	1.58E-06	8.81E-08	1.73E-07	0.00E+00	0.00E+00	2.62E-07
10385	500394.04	3733426.91	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.86E-08	1.74E-07	0.00E+00	0.00E+00	2.63E-07
10386	500394.05	3733417.19	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.91E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
10387	500394.06	3733407.46	5.96E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.97E-08	1.77E-07	0.00E+00	0.00E+00	2.66E-07
10388	500394.07	3733397.74	6E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.03E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
10389	500394.08	3733388.01	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.10E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
10390	500394.09	3733378.29	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.17E-08	1.81E-07	0.00E+00	0.00E+00	2.72E-07
10391	500394.1	3733368.57	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.05E-06	0.00E+00	0.00E+00	1.66E-06	9.24E-08	1.82E-07	0.00E+00	0.00E+00	2.75E-07
10392	500394.11	3733358.84	6.19E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.32E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
10393	500394.12	3733349.12	6.24E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.40E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
10394	500394.13	3733339.39	6.3E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.48E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
10395	500394.14	3733329.67	6.35E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-07	1.08E-06	0.00E+00	0.00E+00	1.72E-06	9.57E-08	1.88E-07	0.00E+00	0.00E+00	2.84E-07
10396	500394.15	3733319.94	6.41E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.65E-08	1.90E-07	0.00E+00	0.00E+00	2.87E-07

10397	500394.16	3733310.22	6.47E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.73E-08	1.92E-07	0.00E+00	0.00E+00	2.89E-07
10398	500394.17	3733300.49	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.82E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
10399	500394.18	3733290.77	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
10400	500394.19	3733281.05	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-07	1.13E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.97E-07	0.00E+00	0.00E+00	2.97E-07
10401	500394.2	3733271.32	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-07	1.14E-06	0.00E+00	0.00E+00	1.81E-06	1.01E-07	1.99E-07	0.00E+00	0.00E+00	3.00E-07
10402	500394.21	3733261.6	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
10403	500394.22	3733251.87	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-07	1.16E-06	0.00E+00	0.00E+00	1.85E-06	1.03E-07	2.03E-07	0.00E+00	0.00E+00	3.06E-07
10404	500394.23	3733242.15	6.9E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.08E-07
10405	500420.36	3733552.2	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	7.40E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
10406	500416.8	3733560.76	5E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	7.53E-08	1.48E-07	0.00E+00	0.00E+00	2.24E-07
10407	500413.24	3733569.32	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	7.65E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
10408	500409.69	3733577.88	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.79E-07	0.00E+00	0.00E+00	1.40E-06	7.78E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
10409	500406.13	3733586.44	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	8.93E-07	0.00E+00	0.00E+00	1.42E-06	7.90E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
10410	500402.57	3733595	5.33E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.08E-07	0.00E+00	0.00E+00	1.44E-06	8.03E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
10411	500399.01	3733603.56	5.41E-07	9.22E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	9.22E-07	0.00E+00	0.00E+00	1.46E-06	8.15E-08	1.61E-07	0.00E+00	0.00E+00	2.42E-07
10412	500395.45	3733612.12	5.5E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-07	9.36E-07	0.00E+00	0.00E+00	1.49E-06	8.28E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
10413	500391.89	3733620.68	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	8.40E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
10414	500388.34	3733629.24	5.66E-07	9.63E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	9.63E-07	0.00E+00	0.00E+00	1.53E-06	8.52E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
10415	500384.78	3733637.8	5.74E-07	9.76E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	9.76E-07	0.00E+00	0.00E+00	1.55E-06	8.64E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
10416	500313.46	3733723.94	7.43E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.32E-07
10417	500304.89	3733727.47	7.68E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
10418	500296.31	3733731.01	7.94E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-07	1.35E-06	0.00E+00	0.00E+00	2.14E-06	1.19E-07	2.35E-07	0.00E+00	0.00E+00	3.55E-07
10419	500423.92	3733543.64	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	7.28E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
10420	500423.93	3733533.91	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	7.29E-08	1.44E-07	0.00E+00	0.00E+00	2.16E-07
10421	500423.94	3733524.19	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	7.30E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
10422	500423.95	3733514.46	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	7.31E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
10423	500423.96	3733504.74	4.86E-07	8.27E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-07	8.27E-07	0.00E+00	0.00E+00	1.31E-06	7.32E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
10424	500423.97	3733495.01	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.32E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
10425	500423.98	3733485.29	4.88E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-07	8.30E-07	0.00E+00	0.00E+00	1.32E-06	7.34E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
10426	500423.99	3733475.57	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	7.36E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
10427	500424	3733465.84	4.9E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	7.38E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
10428	500424.01	3733456.12	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.40E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
10429	500424.02	3733446.39	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-07	8.39E-07	0.00E+00	0.00E+00	1.33E-06	7.42E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
10430	500424.03	3733436.67	4.95E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	7.45E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
10431	500424.04	3733426.94	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	7.48E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
10432	500424.05	3733417.22	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
10433	500424.06	3733407.49	5.02E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	7.56E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
10434	500424.07	3733397.77	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
10435	500424.08	3733388.05	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	8.65E-07	0.00E+00	0.00E+00	1.37E-06	7.65E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
10436	500424.09	3733378.32	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	7.70E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
10437	500424.1	3733368.6	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.75E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
10438	500424.11	3733358.87	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.83E-07	0.00E+00	0.00E+00	1.40E-06	7.81E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
10439	500424.12	3733349.15	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	7.87E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
10440	500424.13	3733339.42	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	7.94E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
10441	500424.14	3733329.7	5.31E-07	9.05E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-07	9.05E-07	0.00E+00	0.00E+00	1.44E-06	8.00E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
10442	500424.15	3733319.97	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	9.12E-07	0.00E+00	0.00E+00	1.45E-06	8.07E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
10443	500424.16	3733310.25	5.4E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	8.14E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
10444	500424.17	3733300.53	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.21E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
10445	500424.18	3733290.8	5.5E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	8.29E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
10446	500424.19	3733281.08	5.56E-07	9.46E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	9.46E-07	0.00E+00	0.00E+00	1.50E-06	8.37E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
10447	500424.2	3733271.35	5.61E-07	9.55E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	9.55E-07	0.00E+00	0.00E+00	1.52E-06	8.45E-08	1.66E-07	0.00E+00	0.00E+00	2.51E-07
10448	500424.21	3733261.63	5.67E-07	9.65E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	9.65E-07	0.00E+00	0.00E+00	1.53E-06	8.53E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
10449	500424.22	3733251.9	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-07	9.74E-07	0.00E+00	0.00E+00	1.55E-06	8.62E-08	1.70E-07	0.00E+00	0.00E+00	2.56E-07
10450	500424.23	3733242.18	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	8.70E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
10451	500424.24	3733232.45	5.84E-07	9.94E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-07	9.94E-07	0.00E+00	0.00E+00	1.58E-06	8.79E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
10452	500424.25	3733222.73	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.88E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
10453	500424.26	3733213.01	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.96E-08	1.77E-07	0.00E+00	0.00E+00	2.66E-07
10454	500450.28	3733552.42	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.26E-07	0.00E+00	0.00E+00	1.91E-07
10455	500446.64	3733561.18	4.34E-07	7.38E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.38E-07	0.00E+00	0.00E+00	1.17E-06	6.53E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
10456	500443	3733569.93	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.50E-07	0.00E+00	0.00E+00	1.19E-06	6.64E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
10457	500439.36	3733578.69	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	6.75E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
10458	500435.72	3733587.44	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	6.86E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
10459	500432.08	3733596.2	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
10460	500428.44	3733604.95	4.7E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	7.08E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
10461	500424.8	3733613.71	4.77E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	7.19E-08	1.42E-07	0.00E+00	0.00E+00	2.13E-07
10462	500421.16	3733622.46	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	7.30E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
10463	500417.53	3733631.22	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	7.41E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
10464	500413.89	3733639.97	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.51E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
10465	500272.3	3733770.88	8.15E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.65E-07
10466	500263.53	3733774.49	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	1.43E-06	0.00E+00	0.00E+00	2.26E-06	1.26E-07	2.48E-07	0.00E+00	0.00E+00	3.74E-07
10467	500254.77	3733778.11	8.6E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.55E-07	0.00E+00	0.00E+00	3.84E-07
10468	500246	3733781.72	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-07	1.50E-06	0.00E+00	0.00E+00	2.38E-06	1.33E-07	2.61E-07	0.00E+00	0.00E+00	3.94E-07
10469	500237.24	3733785.33	9.03E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-07	1.54E-06	0.00E+00	0.00E+00	2.44E-06	1.36E-07	2.68E-07	0.00E+00	0.00E+00	4.04E-07
10470	500228.47	3733788.95	9.24E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-07	1.57E-06	0.00E+00	0.00E+00	2.50E-06	1.39E-07	2.74E-07	0.00E+00	0.00E+00	4.13E-07
10471	500453.92	3733543.67	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
10472	500453.93	3733533.94	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
10473	500453.94	3733524.22	4.2E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
10474	500453.95	3733514.49	4.2E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.24E-07	0.00E+00	0.00E+00	1.88E-07
10475	500453.96	3733504.77	4.2E-07	7.15E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.15E-07	0.00E+00	0.00E+00	1.13E-06	6.32E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
10476	500453.97	3733495.05	4.2E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
10477	500453.98	3733485.32	4.21E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
10478	500453.99	3733475.6	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
10479	500454	3733465.87	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	6.35E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
10480	500454.01	3733456.15	4.23E-07	7.20E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	7.20E-07	0.00E+00	0.00E+00	1.14E-06	6.37E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
10481	500454.02	3733446.42	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	7.22E-07	0.00E+00	0.00E+00	1.15E-06	6.38E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
10482	500454.03	3733436.7	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.24E-07	0.00E+00	0.00E+00	1.15E-06	6.40E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
10483	500454.04	3733426.97	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
10484	500454.05	3733417.25	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
10485	500454.06	3733407.53	4.3E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	7.32E-07	0.00E+00	0.00E+00	1.16E-06	6.47E-08	1.28E-07	0.00E+00	0.00E+00	1.92E-07
10486	500454.07	3733397.8	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
10487	500454.08	3733388.08	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
10488	500454.09	3733378.35	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.30E-07	0.00E+00	0.00E+00	1.95E-07
10489	500454.1	3733368.63	4.39E-07	7.48E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	7.48E-07	0.00E+00	0.00E+00	1.19E-06	6.62E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
10490	500454.11	3733358.9	4.42E-07	7.53E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	7.53E-07	0.00E+00	0.00E+00	1.19E-06	6.66E-08	1.31E-07	0.00E+00	0.00E+00	1.98E-07
10491	500454.12	3733349.18	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	6.70E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
10492	500454.13	3733339.45	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-07	7.64E-07	0.00E+00	0.00E+00	1.21E-06	6.75E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
10493	500454.14	3733329.73	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	6.81E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
10494	500454.15	3733320.01	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	6.86E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
10495	500454.16	3733310.28	4.59E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	6.92E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
10496	500454.17	3733300.56	4.64E-07	7.89E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-07	7.89E-07	0.00E+00	0.00E+00	1.25E-06	6.98E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
10497	500454.18	3733290.83	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
10498	500454.19	3733281.11	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	7.11E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
10499	500454.2	3733271.38	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
10500	500454.21	3733261.66	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
10501	500454.22	3733251.93	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	8.28E-07	0.00E+00	0.00E+00	1.31E-06	7.33E-08	1.44E-07	0.00E+00	0.00E+00	2.18E-07
10502	500454.23	3733242.21	4.91E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.37E-07	0.00E+00	0.00E+00	1.33E-06	7.40E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
10503	500454.24	3733232.49	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.45E-07	0.00E+00	0.00E+00	1.34E-06	7.48E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
10504	500480.21	3733552.61	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
10505	500476.51	3733561.53	3.79E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	5.71E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
10506	500472.8	3733570.45	3.86E-07	6.56E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.56E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
10507	500469.09	3733579.36	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
10508	500465.39	3733588.28	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.78E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
10509	500461.68	3733597.19	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	6.10E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
10510	500457.98	3733606.11	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
10511	500454.27	3733615.03	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
10512	500450.56	3733623.94	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	7.23E-07	0.00E+00	0.00E+00	1.15E-06	6.39E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
10513	500446.86	3733632.86	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.34E-07	0.00E+00	0.00E+00	1.16E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
10514	500443.15	3733641.78	4.37E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	6.59E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
10515	500439.44	3733650.69	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
10516	500435.74	3733659.61	4.5E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.66E-07	0.00E+00	0.00E+00	1.22E-06	6.78E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
10517	500432.03	3733668.52	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	7.76E-07	0.00E+00	0.00E+00	1.23E-06	6.87E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
10518	500428.32	3733677.44	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	7.87E-07	0.00E+00	0.00E+00	1.25E-06	6.96E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
10519	500424.62	3733686.36	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	7.05E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
10520	500345.11	3733770.85	6.1E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.18E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
10521	500336.18	3733774.53	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.47E-08	1.86E-07	0.00E+00	0.00E+00	2.81E-07
10522	500327.26	3733778.21	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-07	1.10E-06	0.00E+00	0.00E+00	1.75E-06	9.76E-08	1.92E-07	0.00E+00	0.00E+00	2.90E-07
10523	500318.33	3733781.89	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
10524	500309.4	3733785.56	6.87E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.03E-07	2.04E-07	0.00E+00	0.00E+00	3.07E-07
10525	500300.47	3733789.24	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-07	1.20E-06	0.00E+00	0.00E+00	1.91E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.16E-07
10526	500291.55	3733792.92	7.26E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-07	1.24E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.25E-07

10527	500282.62	3733796.6	7.45E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-07	1.27E-06	0.00E+00	0.00E+00	2.01E-06	1.12E-07	2.21E-07	0.00E+00	0.00E+00	3.33E-07
10528	500273.69	3733800.28	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-07	1.30E-06	0.00E+00	0.00E+00	2.07E-06	1.15E-07	2.27E-07	0.00E+00	0.00E+00	3.42E-07
10529	500264.76	3733803.96	7.84E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	1.33E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.32E-07	0.00E+00	0.00E+00	3.51E-07
10530	500255.84	3733807.64	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-07	1.37E-06	0.00E+00	0.00E+00	2.17E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.59E-07
10531	500246.91	3733811.32	8.21E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-07	1.40E-06	0.00E+00	0.00E+00	2.22E-06	1.24E-07	2.44E-07	0.00E+00	0.00E+00	3.67E-07
10532	500237.98	3733815	8.4E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-07	1.43E-06	0.00E+00	0.00E+00	2.27E-06	1.26E-07	2.49E-07	0.00E+00	0.00E+00	3.75E-07
10533	500229.06	3733818.68	8.57E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-07	1.46E-06	0.00E+00	0.00E+00	2.32E-06	1.29E-07	2.54E-07	0.00E+00	0.00E+00	3.83E-07
10534	500483.92	3733543.7	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10535	500483.93	3733533.97	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10536	500483.94	3733524.25	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.91E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10537	500483.95	3733514.52	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10538	500483.96	3733504.8	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10539	500483.97	3733495.08	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10540	500483.98	3733485.35	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10541	500483.99	3733475.63	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10542	500484	3733465.9	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	5.54E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10543	500484.01	3733456.18	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.95E-07	5.54E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
10544	500484.02	3733446.45	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	5.55E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
10545	500484.03	3733436.73	3.7E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
10546	500484.04	3733427	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
10547	500484.05	3733417.28	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
10548	500484.06	3733407.56	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.62E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
10549	500484.07	3733397.83	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	5.64E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
10550	500484.08	3733388.11	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	6.40E-07	0.00E+00	0.00E+00	1.02E-06	5.66E-08	1.12E-07	0.00E+00	0.00E+00	1.68E-07
10551	500484.09	3733378.38	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
10552	500484.1	3733368.66	3.8E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
10553	500484.11	3733358.93	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
10554	500484.12	3733349.21	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
10555	500484.13	3733339.48	3.87E-07	6.59E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	6.59E-07	0.00E+00	0.00E+00	1.05E-06	5.83E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
10556	500484.14	3733329.76	3.9E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
10557	500484.15	3733320.04	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.92E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
10558	500484.16	3733310.31	3.96E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	6.75E-07	0.00E+00	0.00E+00	1.07E-06	5.97E-08	1.18E-07	0.00E+00	0.00E+00	1.77E-07
10559	500484.17	3733300.59	4E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.80E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
10560	500484.18	3733290.86	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
10561	500484.19	3733281.14	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	6.93E-07	0.00E+00	0.00E+00	1.10E-06	6.13E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
10562	500484.2	3733271.41	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
10563	500484.21	3733261.69	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	6.25E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
10564	500484.22	3733251.96	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.13E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
10565	500484.23	3733242.24	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	7.21E-07	0.00E+00	0.00E+00	1.14E-06	6.37E-08	1.26E-07	0.00E+00	0.00E+00	1.89E-07
10566	500510.3	3733552.43	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.61E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.77E-08	0.00E+00	0.00E+00	1.47E-07
10567	500506.68	3733561.14	3.35E-07	5.69E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.69E-07	0.00E+00	0.00E+00	9.04E-07	5.04E-08	9.92E-08	0.00E+00	0.00E+00	1.50E-07
10568	500503.07	3733569.84	3.4E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
10569	500499.45	3733578.54	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
10570	500495.83	3733587.25	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
10571	500492.21	3733595.95	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
10572	500488.59	3733604.65	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.76E-07	5.44E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
10573	500484.98	3733613.36	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.24E-07	0.00E+00	0.00E+00	9.91E-07	5.52E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10574	500481.36	3733622.06	3.72E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.34E-07	0.00E+00	0.00E+00	1.01E-06	5.61E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
10575	500477.74	3733630.76	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
10576	500474.12	3733639.46	3.83E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
10577	500470.5	3733648.17	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.62E-07	0.00E+00	0.00E+00	1.05E-06	5.86E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
10578	500466.89	3733656.87	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
10579	500463.27	3733665.57	4E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.02E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
10580	500459.65	3733674.28	4.05E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	6.90E-07	0.00E+00	0.00E+00	1.10E-06	6.10E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
10581	500456.03	3733682.98	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
10582	500452.42	3733691.68	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.08E-07	0.00E+00	0.00E+00	1.12E-06	6.26E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
10583	500448.8	3733700.39	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
10584	500445.18	3733709.09	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-07	7.25E-07	0.00E+00	0.00E+00	1.15E-06	6.41E-08	1.26E-07	0.00E+00	0.00E+00	1.90E-07
10585	500441.56	3733717.79	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
10586	500437.94	3733726.5	4.35E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	6.56E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
10587	500411.14	3733773.61	4.7E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	8.00E-07	0.00E+00	0.00E+00	1.27E-06	7.08E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
10588	500402.43	3733777.2	4.84E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.25E-07	0.00E+00	0.00E+00	1.31E-06	7.29E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
10589	500393.71	3733780.79	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.50E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
10590	500385	3733784.38	5.14E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.74E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
10591	500376.28	3733787.97	5.3E-07	9.02E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-07	9.02E-07	0.00E+00	0.00E+00	1.43E-06	7.98E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
10592	500367.57	3733791.56	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.21E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
10593	500358.86	3733795.16	5.61E-07	9.56E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	9.56E-07	0.00E+00	0.00E+00	1.52E-06	8.45E-08	1.66E-07	0.00E+00	0.00E+00	2.51E-07
10594	500350.14	3733798.75	5.77E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
10595	500341.43	3733802.34	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.94E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
10596	500332.71	3733805.93	6.1E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.18E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
10597	500324	3733809.52	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.43E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
10598	500315.28	3733813.11	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.68E-08	1.91E-07	0.00E+00	0.00E+00	2.88E-07
10599	500306.57	3733816.71	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.93E-08	1.96E-07	0.00E+00	0.00E+00	2.95E-07
10600	500297.86	3733820.3	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.00E-07	0.00E+00	0.00E+00	3.02E-07
10601	500289.14	3733823.89	6.92E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-07	1.18E-06	0.00E+00	0.00E+00	1.87E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.10E-07
10602	500280.43	3733827.48	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.91E-06	1.07E-07	2.10E-07	0.00E+00	0.00E+00	3.17E-07
10603	500271.71	3733831.07	7.25E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-07	1.23E-06	0.00E+00	0.00E+00	1.96E-06	1.09E-07	2.15E-07	0.00E+00	0.00E+00	3.24E-07
10604	500263	3733834.67	7.41E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	1.26E-06	0.00E+00	0.00E+00	2.00E-06	1.12E-07	2.20E-07	0.00E+00	0.00E+00	3.31E-07
10605	500254.29	3733838.26	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	1.29E-06	0.00E+00	0.00E+00	2.04E-06	1.14E-07	2.24E-07	0.00E+00	0.00E+00	3.38E-07
10606	500245.57	3733841.85	7.72E-07	1.31E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-07	1.31E-06	0.00E+00	0.00E+00	2.09E-06	1.16E-07	2.29E-07	0.00E+00	0.00E+00	3.45E-07
10607	500236.86	3733845.44	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.34E-06	0.00E+00	0.00E+00	2.13E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.52E-07
10608	500228.14	3733849.03	8.01E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	1.36E-06	0.00E+00	0.00E+00	2.16E-06	1.21E-07	2.38E-07	0.00E+00	0.00E+00	3.58E-07
10609	500219.43	3733852.62	8.15E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-07	1.39E-06	0.00E+00	0.00E+00	2.20E-06	1.23E-07	2.42E-07	0.00E+00	0.00E+00	3.65E-07
10610	500513.92	3733543.73	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	4.88E-08	9.62E-08	0.00E+00	0.00E+00	1.45E-07
10611	500513.93	3733534	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	4.88E-08	9.61E-08	0.00E+00	0.00E+00	1.45E-07
10612	500513.94	3733524.28	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	4.88E-08	9.61E-08	0.00E+00	0.00E+00	1.45E-07
10613	500513.95	3733514.56	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
10614	500513.96	3733504.83	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
10615	500513.97	3733495.11	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	4.87E-08	9.59E-08	0.00E+00	0.00E+00	1.45E-07
10616	500513.98	3733485.38	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	4.87E-08	9.59E-08	0.00E+00	0.00E+00	1.45E-07
10617	500513.99	3733475.66	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
10618	500514	3733465.93	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
10619	500514.01	3733456.21	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.76E-07	4.88E-08	9.61E-08	0.00E+00	0.00E+00	1.45E-07
10620	500514.02	3733446.48	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	4.89E-08	9.62E-08	0.00E+00	0.00E+00	1.45E-07
10621	500514.03	3733436.76	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.53E-07	0.00E+00	0.00E+00	8.78E-07	4.89E-08	9.64E-08	0.00E+00	0.00E+00	1.45E-07
10622	500514.04	3733427.04	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.66E-08	0.00E+00	0.00E+00	1.46E-07
10623	500514.05	3733417.31	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.56E-07	0.00E+00	0.00E+00	8.82E-07	4.92E-08	9.68E-08	0.00E+00	0.00E+00	1.46E-07
10624	500514.06	3733407.59	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
10625	500514.07	3733397.86	3.29E-07	5.59E-07	0.00E+00	0.00E+00	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.59E-07	0.00E+00	0.00E+00	8.88E-07	4.95E-08	9.75E-08	0.00E+00	0.00E+00	1.47E-07
10626	500514.08	3733388.14	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.91E-07	4.97E-08	9.78E-08	0.00E+00	0.00E+00	1.48E-07
10627	500514.09	3733378.41	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	4.99E-08	9.83E-08	0.00E+00	0.00E+00	1.48E-07
10628	500514.1	3733368.69	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.67E-07	0.00E+00	0.00E+00	9.00E-07	5.01E-08	9.87E-08	0.00E+00	0.00E+00	1.49E-07
10629	500514.11	3733358.96	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	5.04E-08	9.93E-08	0.00E+00	0.00E+00	1.50E-07
10630	500514.12	3733349.24	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.73E-07	0.00E+00	0.00E+00	9.10E-07	5.07E-08	9.99E-08	0.00E+00	0.00E+00	1.51E-07
10631	500514.13	3733339.52	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.52E-07
10632	500514.14	3733329.79	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.22E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
10633	500514.15	3733320.07	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.85E-07	0.00E+00	0.00E+00	9.28E-07	5.17E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
10634	500514.16	3733310.34	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
10635	500514.17	3733300.62	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.43E-07	5.25E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
10636	500514.18	3733290.89	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	5.99E-07	0.00E+00	0.00E+00	9.51E-07	5.30E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
10637	500514.19	3733281.17	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.60E-07	5.35E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
10638	500514.2	3733271.44	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.10E-07	0.00E+00	0.00E+00	9.68E-07	5.40E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
10639	500514.21	3733261.72	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.77E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
10640	500514.22	3733252	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
10641	500514.26	3733213.1	3.8E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.48E-07	0.00E+00	0.00E+00	1.03E-06	5.73E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
10642	500514.27	3733203.37	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
10643	500540.25	3733552.6	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.92E-07	4.41E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
10644	500536.57	3733561.44	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.04E-07	4.48E-08	8.83E-08	0.00E+00	0.00E+00	1.33E-07
10645	500532.9	3733570.28	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.17E-07	4.55E-08	8.96E-08	0.00E+00	0.00E+00	1.35E-07
10646	500529.22	3733579.12	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
10647	500525.55	3733587.96	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.42E-07	4.69E-08	9.24E-08	0.00E+00	0.00E+00	1.39E-07
10648	500521.87	3733596.8	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	4.76E-08	9.38E-08	0.00E+00	0.00E+00	1.41E-07
10649	500518.2	3733605.63	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.46E-07	0.00E+00	0.00E+00	8.67E-07	4.83E-08	9.52E-08	0.00E+00	0.00E+00	1.44E-07
10650	500514.52	3733614.47	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.55E-07	0.00E+00	0.00E+00	8.81E-07	4.91E-08	9.66E-08	0.00E+00	0.00E+00	1.46E-07
10651	500510.85	3733623.31	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
10652	500507.18	3733632.15	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
10653	500503.5	3733640.99	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.80E-07	0.00E+00	0.00E+00	9.20E-07	5.13E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
10654	500499.83	3733649.83	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.88E-07	0.00E+00	0.00E+00	9.34E-07	5.20E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
10655	500496.15	3733658.67	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.48E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
10656	500492.48	3733667.51	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.61E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07

10657	500488.8	3733676.35	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.14E-07	0.00E+00	0.00E+00	9.75E-07	5.43E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
10658	500485.13	3733685.19	3.66E-07	6.22E-07	0.00E+00	0.00E+00	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	6.22E-07	0.00E+00	0.00E+00	9.88E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
10659	500481.45	3733694.03	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
10660	500477.78	3733702.87	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
10661	500474.11	3733711.71	3.8E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.46E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
10662	500470.43	3733720.54	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
10663	500448.38	3733773.58	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.96E-07	0.00E+00	0.00E+00	1.10E-06	6.16E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
10664	500444.71	3733782.42	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.02E-07	0.00E+00	0.00E+00	1.11E-06	6.21E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
10665	500432.19	3733794.91	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.45E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
10666	500423.33	3733798.55	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	6.64E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
10667	500414.48	3733802.2	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	6.84E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
10668	500405.63	3733805.85	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
10669	500396.78	3733809.5	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	7.24E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
10670	500387.93	3733813.15	4.95E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	8.42E-07	0.00E+00	0.00E+00	1.34E-06	7.45E-08	1.47E-07	0.00E+00	0.00E+00	2.21E-07
10671	500379.08	3733816.79	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.37E-06	7.66E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
10672	500370.23	3733820.44	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	8.90E-07	0.00E+00	0.00E+00	1.41E-06	7.87E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
10673	500361.38	3733824.09	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	9.14E-07	0.00E+00	0.00E+00	1.45E-06	8.09E-08	1.59E-07	0.00E+00	0.00E+00	2.40E-07
10674	500352.53	3733827.74	5.52E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	8.31E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
10675	500343.68	3733831.39	5.66E-07	9.64E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	9.64E-07	0.00E+00	0.00E+00	1.53E-06	8.52E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
10676	500334.83	3733835.03	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	9.89E-07	0.00E+00	0.00E+00	1.57E-06	8.74E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
10677	500325.98	3733838.68	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.97E-08	1.77E-07	0.00E+00	0.00E+00	2.66E-07
10678	500317.13	3733842.33	6.1E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.19E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
10679	500308.28	3733845.98	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-07	1.06E-06	0.00E+00	0.00E+00	1.69E-06	9.41E-08	1.85E-07	0.00E+00	0.00E+00	2.79E-07
10680	500299.43	3733849.62	6.39E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.62E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
10681	500290.58	3733853.27	6.54E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	9.84E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
10682	500281.73	3733856.92	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.01E-07	1.98E-07	0.00E+00	0.00E+00	2.99E-07
10683	500272.88	3733860.57	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.16E-06	0.00E+00	0.00E+00	1.84E-06	1.03E-07	2.02E-07	0.00E+00	0.00E+00	3.05E-07
10684	500264.03	3733864.22	6.96E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-07	1.18E-06	0.00E+00	0.00E+00	1.88E-06	1.05E-07	2.06E-07	0.00E+00	0.00E+00	3.11E-07
10685	500255.18	3733867.86	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.10E-07	0.00E+00	0.00E+00	3.17E-07
10686	500246.33	3733871.51	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-07	1.23E-06	0.00E+00	0.00E+00	1.95E-06	1.09E-07	2.14E-07	0.00E+00	0.00E+00	3.23E-07
10687	500237.48	3733875.16	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-07	1.25E-06	0.00E+00	0.00E+00	1.99E-06	1.11E-07	2.18E-07	0.00E+00	0.00E+00	3.29E-07
10688	500228.63	3733878.81	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-07	1.27E-06	0.00E+00	0.00E+00	2.02E-06	1.13E-07	2.22E-07	0.00E+00	0.00E+00	3.35E-07
10689	500219.78	3733882.46	7.6E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-07	1.29E-06	0.00E+00	0.00E+00	2.05E-06	1.14E-07	2.25E-07	0.00E+00	0.00E+00	3.40E-07
10690	500543.92	3733543.76	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
10691	500543.93	3733534.04	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.34E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
10692	500543.94	3733524.31	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
10693	500543.95	3733514.59	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.34E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
10694	500543.96	3733504.86	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.33E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
10695	500543.97	3733495.14	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	4.33E-08	8.53E-08	0.00E+00	0.00E+00	1.29E-07
10696	500543.98	3733485.41	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	4.33E-08	8.53E-08	0.00E+00	0.00E+00	1.29E-07
10697	500543.99	3733475.69	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	4.33E-08	8.53E-08	0.00E+00	0.00E+00	1.29E-07
10698	500544	3733465.96	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.77E-07	4.33E-08	8.53E-08	0.00E+00	0.00E+00	1.29E-07
10699	500544.01	3733456.24	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.33E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
10700	500544.02	3733446.52	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
10701	500544.03	3733436.79	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.34E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
10702	500544.04	3733427.07	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.92E-07	0.00E+00	0.00E+00	7.81E-07	4.35E-08	8.57E-08	0.00E+00	0.00E+00	1.29E-07
10703	500544.05	3733417.34	2.9E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
10704	500544.06	3733407.62	2.9E-07	4.94E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.94E-07	0.00E+00	0.00E+00	7.85E-07	4.37E-08	8.61E-08	0.00E+00	0.00E+00	1.30E-07
10705	500544.07	3733397.89	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
10706	500544.08	3733388.17	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.67E-08	0.00E+00	0.00E+00	1.31E-07
10707	500544.09	3733378.44	2.93E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	4.42E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
10708	500544.1	3733368.72	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	4.44E-08	8.74E-08	0.00E+00	0.00E+00	1.32E-07
10709	500544.11	3733359	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	4.46E-08	8.79E-08	0.00E+00	0.00E+00	1.32E-07
10710	500544.12	3733349.27	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	4.48E-08	8.83E-08	0.00E+00	0.00E+00	1.33E-07
10711	500544.13	3733339.55	3E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.09E-07	4.51E-08	8.88E-08	0.00E+00	0.00E+00	1.34E-07
10712	500544.14	3733329.82	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.15E-07	4.54E-08	8.94E-08	0.00E+00	0.00E+00	1.35E-07
10713	500544.15	3733320.1	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
10714	500544.16	3733310.37	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.06E-08	0.00E+00	0.00E+00	1.37E-07
10715	500544.17	3733300.65	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.32E-07	4.64E-08	9.13E-08	0.00E+00	0.00E+00	1.38E-07
10716	500544.18	3733290.92	3.1E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	4.67E-08	9.21E-08	0.00E+00	0.00E+00	1.39E-07
10717	500544.19	3733281.2	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	4.71E-08	9.28E-08	0.00E+00	0.00E+00	1.40E-07
10718	500544.2	3733271.48	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.37E-08	0.00E+00	0.00E+00	1.41E-07
10719	500544.25	3733222.85	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.95E-07	4.99E-08	9.82E-08	0.00E+00	0.00E+00	1.48E-07
10720	500544.26	3733213.13	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	5.04E-08	9.93E-08	0.00E+00	0.00E+00	1.50E-07
10721	500544.27	3733203.4	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
10722	500570.2	3733552.75	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.96E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
10723	500566.47	3733561.7	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.21E-07	4.01E-08	7.91E-08	0.00E+00	0.00E+00	1.19E-07
10724	500562.75	3733570.66	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.03E-08	0.00E+00	0.00E+00	1.21E-07
10725	500559.03	3733579.62	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
10726	500555.3	3733588.58	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	4.20E-08	8.27E-08	0.00E+00	0.00E+00	1.25E-07
10727	500551.58	3733597.53	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.81E-07	0.00E+00	0.00E+00	7.64E-07	4.26E-08	8.39E-08	0.00E+00	0.00E+00	1.26E-07
10728	500547.86	3733606.49	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
10729	500544.13	3733615.45	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.87E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
10730	500540.41	3733624.4	2.96E-07	5.03E-07	0.00E+00	0.00E+00	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.03E-07	0.00E+00	0.00E+00	7.99E-07	4.45E-08	8.77E-08	0.00E+00	0.00E+00	1.32E-07
10731	500536.69	3733633.36	3E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
10732	500532.96	3733642.32	3.05E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	4.58E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
10733	500529.24	3733651.28	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.26E-07	0.00E+00	0.00E+00	8.35E-07	4.65E-08	9.16E-08	0.00E+00	0.00E+00	1.38E-07
10734	500525.52	3733660.23	3.13E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	4.72E-08	9.30E-08	0.00E+00	0.00E+00	1.40E-07
10735	500521.79	3733669.19	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	5.41E-07	0.00E+00	0.00E+00	8.59E-07	4.79E-08	9.43E-08	0.00E+00	0.00E+00	1.42E-07
10736	500518.07	3733678.15	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	4.86E-08	9.56E-08	0.00E+00	0.00E+00	1.44E-07
10737	500514.34	3733687.1	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	4.92E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
10738	500510.62	3733696.06	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.64E-07	0.00E+00	0.00E+00	8.96E-07	4.99E-08	9.83E-08	0.00E+00	0.00E+00	1.48E-07
10739	500506.9	3733705.02	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
10740	500503.17	3733713.98	3.4E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
10741	500499.45	3733722.93	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
10742	500480.83	3733767.72	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	6.20E-07	0.00E+00	0.00E+00	9.84E-07	5.48E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
10743	500477.11	3733776.68	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.26E-07	0.00E+00	0.00E+00	9.94E-07	5.54E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
10744	500473.39	3733785.63	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.32E-07	0.00E+00	0.00E+00	1.00E-06	5.59E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
10745	500469.66	3733794.59	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	5.64E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
10746	500465.94	3733803.55	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
10747	500453.25	3733816.2	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
10748	500444.28	3733819.9	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.07E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
10749	500435.31	3733823.59	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	6.25E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
10750	500426.34	3733827.29	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
10751	500417.38	3733830.99	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	6.61E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
10752	500408.41	3733834.68	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	7.68E-07	0.00E+00	0.00E+00	1.22E-06	6.79E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
10753	500399.44	3733838.38	4.63E-07	7.89E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.89E-07	0.00E+00	0.00E+00	1.25E-06	6.98E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
10754	500390.47	3733842.08	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	8.10E-07	0.00E+00	0.00E+00	1.29E-06	7.17E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
10755	500381.5	3733845.77	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	7.36E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
10756	500372.53	3733849.47	5.01E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	8.54E-07	0.00E+00	0.00E+00	1.36E-06	7.55E-08	1.49E-07	0.00E+00	0.00E+00	2.24E-07
10757	500363.57	3733853.17	5.14E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	8.76E-07	0.00E+00	0.00E+00	1.39E-06	7.74E-08	1.53E-07	0.00E+00	0.00E+00	2.30E-07
10758	500354.6	3733856.86	5.27E-07	8.98E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	8.98E-07	0.00E+00	0.00E+00	1.43E-06	7.94E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
10759	500345.63	3733860.56	5.4E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	8.14E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
10760	500336.66	3733864.26	5.54E-07	9.42E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	9.42E-07	0.00E+00	0.00E+00	1.50E-06	8.33E-08	1.64E-07	0.00E+00	0.00E+00	2.48E-07
10761	500327.69	3733867.95	5.67E-07	9.65E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	9.65E-07	0.00E+00	0.00E+00	1.53E-06	8.53E-08	1.68E-07	0.00E+00	0.00E+00	2.53E-07
10762	500318.72	3733871.65	5.8E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.87E-07	0.00E+00	0.00E+00	1.57E-06	8.73E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
10763	500309.76	3733875.34	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.92E-08	1.76E-07	0.00E+00	0.00E+00	2.65E-07
10764	500300.79	3733879.04	6.05E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-07	1.03E-06	0.00E+00	0.00E+00	1.64E-06	9.12E-08	1.80E-07	0.00E+00	0.00E+00	2.71E-07
10765	500291.82	3733882.74	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.31E-08	1.83E-07	0.00E+00	0.00E+00	2.76E-07
10766	500282.85	3733886.43	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.50E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
10767	500273.88	3733890.13	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-07	1.09E-06	0.00E+00	0.00E+00	1.74E-06	9.68E-08	1.91E-07	0.00E+00	0.00E+00	2.88E-07
10768	500264.92	3733893.83	6.55E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-07	1.12E-06	0.00E+00	0.00E+00	1.77E-06	9.86E-08	1.94E-07	0.00E+00	0.00E+00	2.93E-07
10769	500255.95	3733897.52	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
10770	500246.98	3733901.22	6.78E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-07	1.15E-06	0.00E+00	0.00E+00	1.83E-06	1.02E-07	2.01E-07	0.00E+00	0.00E+00	3.03E-07
10771	500238.01	3733904.92	6.9E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	1.17E-06	0.00E+00	0.00E+00	1.86E-06	1.04E-07	2.05E-07	0.00E+00	0.00E+00	3.08E-07
10772	500229.04	3733908.61	7.01E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-07	1.19E-06	0.00E+00	0.00E+00	1.89E-06	1.05E-07	2.08E-07	0.00E+00	0.00E+00	3.13E-07
10773	500220.07	3733912.31	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-07	1.21E-06	0.00E+00	0.00E+00	1.92E-06	1.07E-07	2.11E-07	0.00E+00	0.00E+00	3.18E-07
10774	500573.92	3733543.79	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	3.90E-08	7.68E-08	0.00E+00	0.00E+00	1.16E-07
10775	500573.93	3733534.07	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	3.89E-08	7.67E-08	0.00E+00	0.00E+00	1.16E-07
10776	500573.94	3733524.34	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.16E-07
10777	500573.95	3733514.62	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.89E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
10778	500573.96	3733504.89	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
10779	500573.97	3733495.17	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
10780	500573.98	3733485.44	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
10781	500573.99	3733475.72	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
10782	500574	3733466	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
10783	500574.01	3733456.27	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
10784	500574.02	3733446.55	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
10785	500574.03	3733436.82	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.40E-07	0.00E+00	0.00E+00	6.98E-07	3.89E-08	7.66E-08	0.00E+00	0.00E+00	1.15E-07
10786	500574.04	3733427.1	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	3.89E-08	7.67E-08	0.00E+00	0.00E+00	1.16E-07

10787	500574.05	3733417.37	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	7.00E-07	3.90E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
10788	500574.06	3733407.65	2.6E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
10789	500574.07	3733397.92	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.04E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
10790	500574.08	3733388.2	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
10791	500574.09	3733378.48	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
10792	500574.1	3733368.75	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.48E-07	0.00E+00	0.00E+00	7.11E-07	3.96E-08	7.81E-08	0.00E+00	0.00E+00	1.18E-07
10793	500574.11	3733359.03	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.84E-08	0.00E+00	0.00E+00	1.18E-07
10794	500574.12	3733349.3	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
10795	500574.13	3733339.58	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.93E-08	0.00E+00	0.00E+00	1.19E-07
10796	500574.14	3733329.85	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	4.05E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
10797	500574.15	3733320.13	2.7E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
10798	500574.16	3733310.4	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.08E-08	0.00E+00	0.00E+00	1.22E-07
10799	500574.17	3733300.68	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
10800	500574.18	3733290.96	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.24E-07
10801	500574.19	3733281.23	2.78E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.74E-07	0.00E+00	0.00E+00	7.53E-07	4.19E-08	8.26E-08	0.00E+00	0.00E+00	1.25E-07
10802	500574.24	3733232.61	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.87E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
10803	500574.25	3733222.88	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.31E-07
10804	500574.26	3733213.16	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.05E-07	0.00E+00	0.00E+00	8.02E-07	4.47E-08	8.81E-08	0.00E+00	0.00E+00	1.33E-07
10805	500574.27	3733203.44	3E-07	5.11E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.10E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
10806	500596.62	3733561.39	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.61E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
10807	500592.96	3733570.18	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.58E-07	3.66E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
10808	500589.31	3733578.96	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.67E-07	3.72E-08	7.32E-08	0.00E+00	0.00E+00	1.10E-07
10809	500585.66	3733587.75	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
10810	500582.01	3733596.54	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	4.32E-07	0.00E+00	0.00E+00	6.86E-07	3.82E-08	7.53E-08	0.00E+00	0.00E+00	1.14E-07
10811	500578.35	3733605.32	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
10812	500574.7	3733614.11	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
10813	500571.05	3733622.89	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.51E-07	0.00E+00	0.00E+00	7.16E-07	3.99E-08	7.86E-08	0.00E+00	0.00E+00	1.18E-07
10814	500567.4	3733631.68	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	4.04E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
10815	500563.75	3733640.46	2.72E-07	4.64E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.64E-07	0.00E+00	0.00E+00	7.36E-07	4.10E-08	8.08E-08	0.00E+00	0.00E+00	1.22E-07
10816	500560.09	3733649.25	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.19E-08	0.00E+00	0.00E+00	1.24E-07
10817	500556.44	3733658.04	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
10818	500552.79	3733666.82	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.68E-07	4.28E-08	8.42E-08	0.00E+00	0.00E+00	1.27E-07
10819	500549.14	3733675.61	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.90E-07	0.00E+00	0.00E+00	7.78E-07	4.34E-08	8.54E-08	0.00E+00	0.00E+00	1.29E-07
10820	500545.48	3733684.39	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.89E-07	4.39E-08	8.66E-08	0.00E+00	0.00E+00	1.31E-07
10821	500541.83	3733693.18	2.96E-07	5.04E-07	0.00E+00	0.00E+00	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	7.99E-07	4.45E-08	8.77E-08	0.00E+00	0.00E+00	1.32E-07
10822	500538.18	3733701.96	3E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.10E-07	0.00E+00	0.00E+00	8.10E-07	4.51E-08	8.89E-08	0.00E+00	0.00E+00	1.34E-07
10823	500534.53	3733710.75	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.20E-07	4.57E-08	9.00E-08	0.00E+00	0.00E+00	1.36E-07
10824	500530.88	3733719.54	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.30E-07	4.63E-08	9.11E-08	0.00E+00	0.00E+00	1.37E-07
10825	500508.96	3733772.25	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.76E-08	0.00E+00	0.00E+00	1.47E-07
10826	500505.31	3733781.03	3.33E-07	5.66E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.66E-07	0.00E+00	0.00E+00	8.99E-07	5.01E-08	9.87E-08	0.00E+00	0.00E+00	1.49E-07
10827	500501.66	3733789.82	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	5.06E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
10828	500498.01	3733798.61	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	5.10E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
10829	500494.35	3733807.39	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
10830	500490.7	3733816.18	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
10831	500487.05	3733824.96	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.92E-07	0.00E+00	0.00E+00	9.40E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
10832	500474.6	3733837.37	3.6E-07	6.13E-07	0.00E+00	0.00E+00	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.13E-07	0.00E+00	0.00E+00	9.74E-07	5.42E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
10833	500465.8	3733841	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
10834	500457.01	3733844.63	3.8E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
10835	500448.21	3733848.25	3.9E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	5.88E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
10836	500439.41	3733851.88	4.01E-07	6.82E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.82E-07	0.00E+00	0.00E+00	1.08E-06	6.03E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
10837	500430.62	3733855.5	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
10838	500421.82	3733859.13	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.18E-07	0.00E+00	0.00E+00	1.14E-06	6.35E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
10839	500413.03	3733862.76	4.33E-07	7.37E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-07	7.37E-07	0.00E+00	0.00E+00	1.17E-06	6.52E-08	1.28E-07	0.00E+00	0.00E+00	1.94E-07
10840	500404.23	3733866.38	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
10841	500395.43	3733870.01	4.55E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	6.85E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
10842	500386.64	3733873.63	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-07	7.93E-07	0.00E+00	0.00E+00	1.26E-06	7.02E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
10843	500377.84	3733877.26	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	8.12E-07	0.00E+00	0.00E+00	1.29E-06	7.18E-08	1.42E-07	0.00E+00	0.00E+00	2.13E-07
10844	500369.04	3733880.88	4.88E-07	8.31E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-07	8.31E-07	0.00E+00	0.00E+00	1.32E-06	7.35E-08	1.45E-07	0.00E+00	0.00E+00	2.18E-07
10845	500360.25	3733884.51	5E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	8.51E-07	0.00E+00	0.00E+00	1.35E-06	7.52E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
10846	500351.45	3733888.14	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-07	8.70E-07	0.00E+00	0.00E+00	1.38E-06	7.69E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
10847	500342.65	3733891.76	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	7.87E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
10848	500333.86	3733895.39	5.34E-07	9.09E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	9.09E-07	0.00E+00	0.00E+00	1.44E-06	8.04E-08	1.58E-07	0.00E+00	0.00E+00	2.39E-07
10849	500325.06	3733899.01	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	9.28E-07	0.00E+00	0.00E+00	1.47E-06	8.20E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
10850	500316.26	3733902.64	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	9.47E-07	0.00E+00	0.00E+00	1.50E-06	8.37E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
10851	500307.47	3733906.26	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	8.54E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07
10852	500298.67	3733909.89	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	8.71E-08	1.72E-07	0.00E+00	0.00E+00	2.59E-07
10853	500289.87	3733913.52	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-07	1.00E-06	0.00E+00	0.00E+00	1.59E-06	8.87E-08	1.75E-07	0.00E+00	0.00E+00	2.63E-07
10854	500281.08	3733917.14	6E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-07	1.02E-06	0.00E+00	0.00E+00	1.62E-06	9.03E-08	1.78E-07	0.00E+00	0.00E+00	2.68E-07
10855	500272.28	3733920.77	6.1E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.19E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
10856	500263.48	3733924.39	6.2E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	1.06E-06	0.00E+00	0.00E+00	1.68E-06	9.34E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
10857	500254.69	3733928.02	6.3E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.49E-08	1.87E-07	0.00E+00	0.00E+00	2.82E-07
10858	500245.89	3733931.64	6.4E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-07	1.09E-06	0.00E+00	0.00E+00	1.73E-06	9.64E-08	1.90E-07	0.00E+00	0.00E+00	2.86E-07
10859	500237.09	3733935.27	6.5E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-07	1.11E-06	0.00E+00	0.00E+00	1.76E-06	9.78E-08	1.93E-07	0.00E+00	0.00E+00	2.90E-07
10860	500228.3	3733938.9	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.12E-06	0.00E+00	0.00E+00	1.78E-06	9.92E-08	1.95E-07	0.00E+00	0.00E+00	2.94E-07
10861	500219.5	3733942.52	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	1.14E-06	0.00E+00	0.00E+00	1.80E-06	1.00E-07	1.98E-07	0.00E+00	0.00E+00	2.98E-07
10862	500604.22	3733252.09	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
10863	500604.23	3733242.36	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
10864	500604.24	3733232.64	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
10865	500604.25	3733222.91	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.96E-08	7.79E-08	0.00E+00	0.00E+00	1.18E-07
10866	500604.26	3733213.19	2.65E-07	4.52E-07	0.00E+00	0.00E+00	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	4.52E-07	0.00E+00	0.00E+00	7.17E-07	4.00E-08	7.87E-08	0.00E+00	0.00E+00	1.19E-07
10867	500604.27	3733203.47	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.56E-07	0.00E+00	0.00E+00	7.24E-07	4.03E-08	7.95E-08	0.00E+00	0.00E+00	1.20E-07
10868	500630.22	3733552.74	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.23E-08	6.37E-08	0.00E+00	0.00E+00	9.61E-08
10869	500626.53	3733561.63	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.88E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.73E-08
10870	500622.83	3733570.52	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.96E-07	3.32E-08	6.54E-08	0.00E+00	0.00E+00	9.87E-08
10871	500619.14	3733579.41	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
10872	500596.97	3733632.75	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.13E-07	0.00E+00	0.00E+00	6.56E-07	3.66E-08	7.20E-08	0.00E+00	0.00E+00	1.09E-07
10873	500593.27	3733641.64	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
10874	500589.57	3733650.53	2.5E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.41E-08	0.00E+00	0.00E+00	1.12E-07
10875	500585.88	3733659.42	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.84E-07	3.81E-08	7.51E-08	0.00E+00	0.00E+00	1.13E-07
10876	500582.18	3733668.31	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.94E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
10877	500578.49	3733677.2	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.92E-08	7.72E-08	0.00E+00	0.00E+00	1.16E-07
10878	500574.79	3733686.09	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.13E-07	3.97E-08	7.82E-08	0.00E+00	0.00E+00	1.18E-07
10879	500571.1	3733694.98	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.22E-07	4.02E-08	7.92E-08	0.00E+00	0.00E+00	1.19E-07
10880	500567.4	3733703.87	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	4.08E-08	8.03E-08	0.00E+00	0.00E+00	1.21E-07
10881	500563.71	3733712.76	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
10882	500560.01	3733721.65	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
10883	500537.84	3733774.99	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	4.49E-08	8.84E-08	0.00E+00	0.00E+00	1.33E-07
10884	500534.14	3733783.88	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.13E-07	0.00E+00	0.00E+00	8.14E-07	4.54E-08	8.94E-08	0.00E+00	0.00E+00	1.35E-07
10885	500530.45	3733792.77	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.23E-07	4.58E-08	9.03E-08	0.00E+00	0.00E+00	1.36E-07
10886	500526.75	3733801.66	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.23E-07	0.00E+00	0.00E+00	8.31E-07	4.63E-08	9.12E-08	0.00E+00	0.00E+00	1.37E-07
10887	500523.06	3733810.55	3.1E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.39E-07	4.67E-08	9.21E-08	0.00E+00	0.00E+00	1.39E-07
10888	500519.36	3733819.43	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.47E-07	4.72E-08	9.29E-08	0.00E+00	0.00E+00	1.40E-07
10889	500515.67	3733828.32	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	4.76E-08	9.38E-08	0.00E+00	0.00E+00	1.41E-07
10890	500511.97	3733837.21	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
10891	500508.27	3733846.1	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.53E-08	0.00E+00	0.00E+00	1.44E-07
10892	500495.68	3733858.66	3.33E-07	5.66E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.66E-07	0.00E+00	0.00E+00	8.99E-07	5.01E-08	9.87E-08	0.00E+00	0.00E+00	1.49E-07
10893	500486.78	3733862.33	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	5.81E-07	0.00E+00	0.00E+00	9.23E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
10894	500477.88	3733866	3.5E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.97E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
10895	500468.98	3733869.67	3.6E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	5.41E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
10896	500460.08	3733873.34	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	6.28E-07	0.00E+00	0.00E+00	9.97E-07	5.56E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
10897	500451.17	3733877.01	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
10898	500442.27	3733880.68	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	5.84E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
10899	500433.37	3733884.34	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	6.77E-07	0.00E+00	0.00E+00	1.08E-06	5.99E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
10900	500424.47	3733888.01	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.94E-07	0.00E+00	0.00E+00	1.10E-06	6.14E-08	1.21E-07	0.00E+00	0.00E+00	1.82E-07
10901	500415.57	3733891.68	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
10902	500406.67	3733895.35	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.28E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
10903	500397.77	3733899.02	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-07	7.45E-07	0.00E+00	0.00E+00	1.18E-06	6.59E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
10904	500388.87	3733902.69	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.63E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
10905	500379.97	3733906.36	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	7.80E-07	0.00E+00	0.00E+00	1.24E-06	6.90E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
10906	500371.07	3733910.02	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	7.05E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
10907	500362.17	3733913.69	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	8.15E-07	0.00E+00	0.00E+00	1.29E-06	7.21E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
10908	500353.27	3733917.36	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	8.32E-07	0.00E+00	0.00E+00	1.32E-06	7.36E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
10909	500344.36	3733921.03	4.99E-07	8.49E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	8.49E-07	0.00E+00	0.00E+00	1.35E-06	7.51E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
10910	500335.46	3733924.7	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	8.66E-07	0.00E+00	0.00E+00	1.38E-06	7.66E-08	1.51E-07	0.00E+00	0.00E+00	2.28E-07
10911	500326.56	3733928.37	5.19E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	7.81E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
10912	500317.66	3733932.04	5.29E-07	9.01E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-07	9.01E-07	0.00E+00	0.00E+00	1.43E-06	7.96E-08	1.57E-07	0.00E+00	0.00E+00	2.37E-07
10913	500308.76	3733935.71	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.17E-07	0.00E+00	0.00E+00	1.46E-06	8.11E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
10914	500299.86	3733939.37	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	8.26E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
10915	500290.96	3733943.04	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-07	9.50E-07	0.00E+00	0.00E+00	1.51E-06	8.41E-08	1.66E-07	0.00E+00	0.00E+00	2.50E-07
10916	500282.06	3733946.71	5.68E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	9.66E-07	0.00E+00	0.00E+00	1.53E-06	8.55E-08	1.68E-07	0.00E+00	0.00E+00	2.54E-07

10917	500273.16	3733950.38	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	9.82E-07	0.00E+00	0.00E+00	1.56E-06	8.69E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
10918	500264.26	3733954.05	5.86E-07	9.97E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-07	9.97E-07	0.00E+00	0.00E+00	1.58E-06	8.82E-08	1.74E-07	0.00E+00	0.00E+00	2.62E-07
10919	500255.36	3733957.72	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-07	1.01E-06	0.00E+00	0.00E+00	1.61E-06	8.95E-08	1.76E-07	0.00E+00	0.00E+00	2.66E-07
10920	500246.46	3733961.39	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.08E-08	1.79E-07	0.00E+00	0.00E+00	2.70E-07
10921	500237.55	3733965.06	6.11E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-07	1.04E-06	0.00E+00	0.00E+00	1.65E-06	9.21E-08	1.81E-07	0.00E+00	0.00E+00	2.73E-07
10922	500228.65	3733968.72	6.19E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-07	1.05E-06	0.00E+00	0.00E+00	1.67E-06	9.33E-08	1.84E-07	0.00E+00	0.00E+00	2.77E-07
10923	500219.75	3733972.39	6.27E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-07	1.07E-06	0.00E+00	0.00E+00	1.69E-06	9.44E-08	1.86E-07	0.00E+00	0.00E+00	2.80E-07
10924	500633.92	3733543.85	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
10925	500634.21	3733261.84	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
10926	500634.22	3733252.12	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
10927	500634.23	3733242.39	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
10928	500634.24	3733232.67	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
10929	500634.25	3733222.95	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.02E-08	0.00E+00	0.00E+00	1.06E-07
10930	500634.26	3733213.22	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.60E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
10931	500634.27	3733203.5	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	3.63E-08	7.15E-08	0.00E+00	0.00E+00	1.08E-07
10932	500660.28	3733552.63	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
10933	500656.65	3733561.38	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.88E-08	0.00E+00	0.00E+00	8.87E-08
10934	500653.01	3733570.12	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.02E-08	5.96E-08	0.00E+00	0.00E+00	8.98E-08
10935	500649.38	3733578.87	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
10936	500645.74	3733587.61	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
10937	500642.11	3733596.36	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
10938	500638.47	3733605.11	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
10939	500634.83	3733613.85	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.35E-08	0.00E+00	0.00E+00	9.58E-08
10940	500631.2	3733622.6	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.70E-08
10941	500627.56	3733631.35	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
10942	500623.93	3733640.09	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.36E-08	6.61E-08	0.00E+00	0.00E+00	9.96E-08
10943	500620.29	3733648.84	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.84E-07	0.00E+00	0.00E+00	6.10E-07	3.40E-08	6.70E-08	0.00E+00	0.00E+00	1.01E-07
10944	500594.84	3733710.06	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.11E-07
10945	500591.2	3733718.81	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	3.77E-08	7.43E-08	0.00E+00	0.00E+00	1.12E-07
10946	500587.57	3733727.55	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
10947	500583.93	3733736.3	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.37E-07	0.00E+00	0.00E+00	6.93E-07	3.86E-08	7.61E-08	0.00E+00	0.00E+00	1.15E-07
10948	500569.39	3733771.28	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.26E-07	4.05E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
10949	500565.75	3733780.03	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.06E-08	0.00E+00	0.00E+00	1.22E-07
10950	500562.12	3733788.78	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.42E-07	4.14E-08	8.15E-08	0.00E+00	0.00E+00	1.23E-07
10951	500558.48	3733797.52	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
10952	500554.85	3733806.27	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	4.22E-08	8.32E-08	0.00E+00	0.00E+00	1.25E-07
10953	500551.21	3733815.02	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.40E-08	0.00E+00	0.00E+00	1.27E-07
10954	500547.58	3733823.76	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.72E-07	4.30E-08	8.48E-08	0.00E+00	0.00E+00	1.28E-07
10955	500543.94	3733832.51	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.34E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
10956	500540.3	3733841.25	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.87E-07	4.38E-08	8.63E-08	0.00E+00	0.00E+00	1.30E-07
10957	500536.67	3733850	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	4.42E-08	8.71E-08	0.00E+00	0.00E+00	1.31E-07
10958	500533.03	3733858.75	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	4.46E-08	8.78E-08	0.00E+00	0.00E+00	1.32E-07
10959	500529.4	3733867.49	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.08E-07	0.00E+00	0.00E+00	8.06E-07	4.49E-08	8.85E-08	0.00E+00	0.00E+00	1.33E-07
10960	500517	3733879.85	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
10961	500508.25	3733883.46	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	4.76E-08	9.37E-08	0.00E+00	0.00E+00	1.41E-07
10962	500499.49	3733887.07	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.75E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
10963	500490.73	3733890.68	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.65E-07	0.00E+00	0.00E+00	8.97E-07	5.00E-08	9.84E-08	0.00E+00	0.00E+00	1.48E-07
10964	500481.98	3733894.29	3.4E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
10965	500473.22	3733897.9	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
10966	500464.46	3733901.51	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.07E-07	0.00E+00	0.00E+00	9.64E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
10967	500455.7	3733905.11	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.22E-07	0.00E+00	0.00E+00	9.87E-07	5.50E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
10968	500446.95	3733908.72	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.37E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
10969	500438.19	3733912.33	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.76E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
10970	500429.43	3733915.94	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-07	6.66E-07	0.00E+00	0.00E+00	1.06E-06	5.89E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
10971	500420.68	3733919.55	4E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	6.81E-07	0.00E+00	0.00E+00	1.08E-06	6.03E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
10972	500411.92	3733923.16	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	6.97E-07	0.00E+00	0.00E+00	1.11E-06	6.16E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
10973	500403.16	3733926.77	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	6.30E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
10974	500394.4	3733930.38	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.27E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
10975	500385.65	3733933.99	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.43E-07	0.00E+00	0.00E+00	1.18E-06	6.57E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
10976	500376.89	3733937.6	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	7.58E-07	0.00E+00	0.00E+00	1.20E-06	6.70E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
10977	500368.13	3733941.21	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	6.84E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
10978	500359.38	3733944.82	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-07	7.88E-07	0.00E+00	0.00E+00	1.25E-06	6.97E-08	1.37E-07	0.00E+00	0.00E+00	2.07E-07
10979	500350.62	3733948.43	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-07	8.04E-07	0.00E+00	0.00E+00	1.28E-06	7.11E-08	1.40E-07	0.00E+00	0.00E+00	2.11E-07
10980	500341.86	3733952.04	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	8.19E-07	0.00E+00	0.00E+00	1.30E-06	7.24E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
10981	500333.1	3733955.65	4.9E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	8.34E-07	0.00E+00	0.00E+00	1.32E-06	7.37E-08	1.45E-07	0.00E+00	0.00E+00	2.19E-07
10982	500324.35	3733959.26	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	7.50E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
10983	500315.59	3733962.87	5.07E-07	8.63E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-07	8.63E-07	0.00E+00	0.00E+00	1.37E-06	7.63E-08	1.50E-07	0.00E+00	0.00E+00	2.27E-07
10984	500306.83	3733966.48	5.16E-07	8.78E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	8.78E-07	0.00E+00	0.00E+00	1.39E-06	7.76E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
10985	500298.08	3733970.09	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	8.92E-07	0.00E+00	0.00E+00	1.42E-06	7.89E-08	1.55E-07	0.00E+00	0.00E+00	2.34E-07
10986	500289.32	3733973.69	5.32E-07	9.06E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-07	9.06E-07	0.00E+00	0.00E+00	1.44E-06	8.01E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
10987	500280.56	3733977.3	5.4E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	9.20E-07	0.00E+00	0.00E+00	1.46E-06	8.13E-08	1.60E-07	0.00E+00	0.00E+00	2.42E-07
10988	500271.81	3733980.91	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	9.33E-07	0.00E+00	0.00E+00	1.48E-06	8.25E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
10989	500263.05	3733984.52	5.56E-07	9.46E-07	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	9.46E-07	0.00E+00	0.00E+00	1.50E-06	8.37E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
10990	500254.29	3733988.13	5.63E-07	9.59E-07	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	9.59E-07	0.00E+00	0.00E+00	1.52E-06	8.48E-08	1.67E-07	0.00E+00	0.00E+00	2.52E-07
10991	500245.53	3733991.74	5.71E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-07	9.71E-07	0.00E+00	0.00E+00	1.54E-06	8.59E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
10992	500236.78	3733995.35	5.78E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.83E-07	0.00E+00	0.00E+00	1.56E-06	8.70E-08	1.71E-07	0.00E+00	0.00E+00	2.58E-07
10993	500228.02	3733998.96	5.84E-07	9.95E-07	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-07	9.95E-07	0.00E+00	0.00E+00	1.58E-06	8.80E-08	1.73E-07	0.00E+00	0.00E+00	2.61E-07
10994	500219.26	3734002.57	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-07	1.01E-06	0.00E+00	0.00E+00	1.60E-06	8.90E-08	1.75E-07	0.00E+00	0.00E+00	2.64E-07
10995	500663.92	3733543.88	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	2.91E-08	5.74E-08	0.00E+00	0.00E+00	8.65E-08
10996	500664.2	3733271.6	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.12E-08	0.00E+00	0.00E+00	9.22E-08
10997	500664.21	3733261.87	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	3.13E-08	6.16E-08	0.00E+00	0.00E+00	9.29E-08
10998	500664.22	3733252.15	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
10999	500664.23	3733242.43	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
11000	500664.24	3733232.7	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
11001	500664.25	3733222.98	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.80E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.59E-08
11002	500664.26	3733213.25	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.85E-07	3.26E-08	6.42E-08	0.00E+00	0.00E+00	9.67E-08
11003	500664.27	3733203.53	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.47E-08	0.00E+00	0.00E+00	9.76E-08
11004	500690.25	3733552.75	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.05E-07	0.00E+00	0.00E+00	4.85E-07	2.70E-08	5.32E-08	0.00E+00	0.00E+00	8.02E-08
11005	500686.57	3733561.59	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.73E-08	5.38E-08	0.00E+00	0.00E+00	8.12E-08
11006	500682.9	3733570.43	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.96E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
11007	500679.22	3733579.27	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.32E-08
11008	500675.55	3733588.11	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.42E-08
11009	500671.87	3733596.95	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.66E-08	0.00E+00	0.00E+00	8.53E-08
11010	500668.2	3733605.79	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.64E-08
11011	500664.52	3733614.63	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.29E-07	2.95E-08	5.80E-08	0.00E+00	0.00E+00	8.75E-08
11012	500660.85	3733623.47	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
11013	500657.18	3733632.31	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.98E-08
11014	500653.5	3733641.15	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.50E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
11015	500649.83	3733649.99	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.51E-07	0.00E+00	0.00E+00	5.57E-07	3.10E-08	6.11E-08	0.00E+00	0.00E+00	9.21E-08
11016	500646.15	3733658.82	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
11017	500642.48	3733667.66	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
11018	500638.8	3733676.5	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.22E-08	6.35E-08	0.00E+00	0.00E+00	9.58E-08
11019	500635.13	3733685.34	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.27E-08	6.43E-08	0.00E+00	0.00E+00	9.70E-08
11020	500631.45	3733694.18	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.82E-08
11021	500627.78	3733703.02	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.60E-08	0.00E+00	0.00E+00	9.95E-08
11022	500594.71	3733782.57	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.35E-08	0.00E+00	0.00E+00	1.11E-07
11023	500591.04	3733791.41	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.77E-07	3.77E-08	7.43E-08	0.00E+00	0.00E+00	1.12E-07
11024	500587.36	3733800.25	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	3.81E-08	7.51E-08	0.00E+00	0.00E+00	1.13E-07
11025	500583.69	3733809.09	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.85E-08	7.59E-08	0.00E+00	0.00E+00	1.14E-07
11026	500580.01	3733817.93	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.40E-07	0.00E+00	0.00E+00	6.99E-07	3.89E-08	7.67E-08	0.00E+00	0.00E+00	1.16E-07
11027	500576.34	3733826.77	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
11028	500572.66	3733835.61	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.13E-07	3.97E-08	7.82E-08	0.00E+00	0.00E+00	1.18E-07
11029	500568.99	3733844.45	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	4.01E-08	7.90E-08	0.00E+00	0.00E+00	1.19E-07
11030	500565.31	3733853.29	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.57E-07	0.00E+00	0.00E+00	7.26E-07	4.04E-08	7.97E-08	0.00E+00	0.00E+00	1.20E-07
11031	500561.64	3733862.13	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	4.61E-07	0.00E+00	0.00E+00	7.32E-07	4.08E-08	8.04E-08	0.00E+00	0.00E+00	1.21E-07
11032	500557.97	3733870.97	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
11033	500554.29	3733879.81	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.69E-07	0.00E+00	0.00E+00	7.44E-07	4.15E-08	8.17E-08	0.00E+00	0.00E+00	1.23E-07
11034	500550.62	3733888.64	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
11035	500538.09	3733901.13	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.74E-07	4.32E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
11036	500529.24	3733904.78	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.93E-07	4.42E-08	8.71E-08	0.00E+00	0.00E+00	1.31E-07
11037	500520.39	3733908.43	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.13E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.35E-07
11038	500511.54	3733912.08	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
11039	500502.69	3733915.72	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.53E-07	4.75E-08	9.36E-08	0.00E+00	0.00E+00	1.41E-07
11040	500493.84	3733919.37	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.73E-07	4.86E-08	9.58E-08	0.00E+00	0.00E+00	1.44E-07
11041	500484.99	3733923.02	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.93E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
11042	500476.14	3733926.67	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.76E-07	0.00E+00	0.00E+00	9.14E-07	5.09E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
11043	500467.29	3733930.31	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.89E-07	0.00E+00	0.00E+00	9.36E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
11044	500458.44	3733933.96	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
11045	500449.59	3733937.61	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
11046	500440.74	3733941.26	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07

11047	500431.89	3733944.91	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
11048	500423.04	3733948.55	3.86E-07	6.58E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.58E-07	0.00E+00	0.00E+00	1.04E-06	5.82E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
11049	500414.19	3733952.2	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.72E-07	0.00E+00	0.00E+00	1.07E-06	5.94E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
11050	500405.34	3733955.85	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	6.86E-07	0.00E+00	0.00E+00	1.09E-06	6.06E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
11051	500396.49	3733959.5	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
11052	500387.64	3733963.15	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-07	7.14E-07	0.00E+00	0.00E+00	1.13E-06	6.31E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
11053	500378.79	3733966.79	4.27E-07	7.28E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.28E-07	0.00E+00	0.00E+00	1.15E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
11054	500369.94	3733970.44	4.36E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-07	7.41E-07	0.00E+00	0.00E+00	1.18E-06	6.56E-08	1.29E-07	0.00E+00	0.00E+00	1.95E-07
11055	500361.09	3733974.09	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.55E-07	0.00E+00	0.00E+00	1.20E-06	6.68E-08	1.32E-07	0.00E+00	0.00E+00	1.98E-07
11056	500352.24	3733977.74	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	7.69E-07	0.00E+00	0.00E+00	1.22E-06	6.80E-08	1.34E-07	0.00E+00	0.00E+00	2.02E-07
11057	500343.39	3733981.39	4.6E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	6.92E-08	1.36E-07	0.00E+00	0.00E+00	2.06E-07
11058	500334.54	3733985.03	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.96E-07	0.00E+00	0.00E+00	1.26E-06	7.04E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
11059	500325.69	3733988.68	4.75E-07	8.09E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-07	8.09E-07	0.00E+00	0.00E+00	1.28E-06	7.16E-08	1.41E-07	0.00E+00	0.00E+00	2.13E-07
11060	500316.84	3733992.33	4.83E-07	8.22E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-07	8.22E-07	0.00E+00	0.00E+00	1.31E-06	7.27E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
11061	500307.99	3733995.98	4.91E-07	8.35E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.35E-07	0.00E+00	0.00E+00	1.33E-06	7.39E-08	1.46E-07	0.00E+00	0.00E+00	2.19E-07
11062	500299.14	3733999.62	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-07	8.48E-07	0.00E+00	0.00E+00	1.35E-06	7.50E-08	1.48E-07	0.00E+00	0.00E+00	2.23E-07
11063	500290.28	3734003.27	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.60E-07	0.00E+00	0.00E+00	1.37E-06	7.61E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
11064	500281.43	3734006.92	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.73E-07	0.00E+00	0.00E+00	1.39E-06	7.72E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
11065	500272.58	3734010.57	5.2E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	8.84E-07	0.00E+00	0.00E+00	1.40E-06	7.82E-08	1.54E-07	0.00E+00	0.00E+00	2.32E-07
11066	500263.73	3734014.22	5.26E-07	8.96E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	8.96E-07	0.00E+00	0.00E+00	1.42E-06	7.93E-08	1.56E-07	0.00E+00	0.00E+00	2.35E-07
11067	500254.88	3734017.86	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	9.07E-07	0.00E+00	0.00E+00	1.44E-06	8.02E-08	1.58E-07	0.00E+00	0.00E+00	2.38E-07
11068	500246.03	3734021.51	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	9.18E-07	0.00E+00	0.00E+00	1.46E-06	8.12E-08	1.60E-07	0.00E+00	0.00E+00	2.41E-07
11069	500237.18	3734025.16	5.46E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	9.29E-07	0.00E+00	0.00E+00	1.47E-06	8.21E-08	1.62E-07	0.00E+00	0.00E+00	2.44E-07
11070	500228.33	3734028.81	5.52E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	9.39E-07	0.00E+00	0.00E+00	1.49E-06	8.31E-08	1.64E-07	0.00E+00	0.00E+00	2.47E-07
11071	500219.48	3734032.46	5.57E-07	9.49E-07	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	9.49E-07	0.00E+00	0.00E+00	1.51E-06	8.39E-08	1.65E-07	0.00E+00	0.00E+00	2.49E-07
11072	500693.92	3733543.91	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
11073	500694.18	3733291.08	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.31E-08
11074	500694.19	3733281.35	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
11075	500694.2	3733271.63	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.42E-08
11076	500694.21	3733261.91	1.9E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.86E-08	5.62E-08	0.00E+00	0.00E+00	8.48E-08
11077	500694.22	3733252.18	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.88E-08	5.66E-08	0.00E+00	0.00E+00	8.54E-08
11078	500694.23	3733242.46	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.60E-08
11079	500694.24	3733232.73	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	2.92E-08	5.75E-08	0.00E+00	0.00E+00	8.67E-08
11080	500694.25	3733223.01	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
11081	500694.26	3733213.28	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.81E-08
11082	500694.27	3733203.56	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.90E-08	0.00E+00	0.00E+00	8.89E-08
11083	500730.23	3733552.84	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
11084	500726.54	3733561.72	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.27E-08
11085	500722.85	3733570.6	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.35E-08
11086	500719.15	3733579.48	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.43E-08
11087	500715.46	3733588.36	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
11088	500711.77	3733597.24	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
11089	500708.08	3733606.12	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	2.59E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
11090	500704.39	3733615	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.63E-08	5.17E-08	0.00E+00	0.00E+00	7.80E-08
11091	500700.7	3733623.88	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.90E-08
11092	500697	3733632.76	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
11093	500693.31	3733641.64	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
11094	500689.62	3733650.52	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.95E-07	2.76E-08	5.43E-08	0.00E+00	0.00E+00	8.19E-08
11095	500685.93	3733659.4	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.30E-08
11096	500682.24	3733668.28	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
11097	500678.55	3733677.16	1.9E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.51E-08
11098	500674.86	3733686.04	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
11099	500671.16	3733694.92	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.78E-08	0.00E+00	0.00E+00	8.72E-08
11100	500667.47	3733703.8	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.34E-07	2.97E-08	5.86E-08	0.00E+00	0.00E+00	8.83E-08
11101	500641.63	3733765.96	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.80E-07	3.23E-08	6.37E-08	0.00E+00	0.00E+00	9.60E-08
11102	500637.94	3733774.84	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.72E-08
11103	500634.25	3733783.73	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
11104	500630.56	3733792.61	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.35E-08	6.59E-08	0.00E+00	0.00E+00	9.94E-08
11105	500626.87	3733801.49	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	3.38E-08	6.66E-08	0.00E+00	0.00E+00	1.00E-07
11106	500623.17	3733810.37	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.73E-08	0.00E+00	0.00E+00	1.02E-07
11107	500619.48	3733819.25	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
11108	500615.79	3733828.13	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
11109	500612.1	3733837.01	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
11110	500589.95	3733890.29	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
11111	500586.26	3733899.17	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
11112	500582.57	3733908.05	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
11113	500578.88	3733916.93	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.85E-07	3.82E-08	7.52E-08	0.00E+00	0.00E+00	1.13E-07
11114	500566.29	3733929.48	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
11115	500557.4	3733933.14	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.55E-07	0.00E+00	0.00E+00	7.23E-07	4.03E-08	7.93E-08	0.00E+00	0.00E+00	1.20E-07
11116	500548.51	3733936.81	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.66E-07	0.00E+00	0.00E+00	7.40E-07	4.12E-08	8.12E-08	0.00E+00	0.00E+00	1.22E-07
11117	500539.62	3733940.47	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
11118	500530.73	3733944.13	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.50E-08	0.00E+00	0.00E+00	1.28E-07
11119	500521.84	3733947.8	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.93E-07	4.42E-08	8.70E-08	0.00E+00	0.00E+00	1.31E-07
11120	500512.94	3733951.46	3E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
11121	500504.05	3733955.13	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
11122	500495.16	3733958.79	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	5.34E-07	0.00E+00	0.00E+00	8.47E-07	4.72E-08	9.30E-08	0.00E+00	0.00E+00	1.40E-07
11123	500486.27	3733962.46	3.2E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.46E-07	0.00E+00	0.00E+00	8.66E-07	4.83E-08	9.51E-08	0.00E+00	0.00E+00	1.43E-07
11124	500477.38	3733966.12	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
11125	500468.49	3733969.79	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.04E-07	5.04E-08	9.92E-08	0.00E+00	0.00E+00	1.50E-07
11126	500459.6	3733973.45	3.42E-07	5.81E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.81E-07	0.00E+00	0.00E+00	9.23E-07	5.14E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
11127	500450.7	3733977.12	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	5.94E-07	0.00E+00	0.00E+00	9.42E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
11128	500441.81	3733980.78	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.06E-07	0.00E+00	0.00E+00	9.62E-07	5.36E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
11129	500432.92	3733984.45	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	6.18E-07	0.00E+00	0.00E+00	9.81E-07	5.47E-08	1.08E-07	0.00E+00	0.00E+00	1.62E-07
11130	500424.03	3733988.11	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
11131	500415.14	3733991.78	3.77E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-07	6.43E-07	0.00E+00	0.00E+00	1.02E-06	5.68E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
11132	500406.25	3733995.44	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	6.55E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
11133	500397.36	3733999.11	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.67E-07	0.00E+00	0.00E+00	1.06E-06	5.90E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
11134	500388.46	3734002.77	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	6.01E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
11135	500379.57	3734006.44	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	6.92E-07	0.00E+00	0.00E+00	1.10E-06	6.12E-08	1.20E-07	0.00E+00	0.00E+00	1.82E-07
11136	500370.68	3734010.1	4.13E-07	7.04E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.04E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
11137	500361.79	3734013.77	4.2E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	7.16E-07	0.00E+00	0.00E+00	1.14E-06	6.33E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
11138	500352.9	3734017.43	4.27E-07	7.28E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.28E-07	0.00E+00	0.00E+00	1.15E-06	6.43E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
11139	500344.01	3734021.1	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.39E-07	0.00E+00	0.00E+00	1.17E-06	6.54E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
11140	500335.12	3734024.76	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	7.51E-07	0.00E+00	0.00E+00	1.19E-06	6.64E-08	1.31E-07	0.00E+00	0.00E+00	1.97E-07
11141	500326.22	3734028.43	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	7.62E-07	0.00E+00	0.00E+00	1.21E-06	6.74E-08	1.33E-07	0.00E+00	0.00E+00	2.00E-07
11142	500317.33	3734032.09	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	7.73E-07	0.00E+00	0.00E+00	1.23E-06	6.84E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
11143	500308.44	3734035.76	4.61E-07	7.84E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	7.84E-07	0.00E+00	0.00E+00	1.25E-06	6.94E-08	1.37E-07	0.00E+00	0.00E+00	2.06E-07
11144	500299.55	3734039.42	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	7.95E-07	0.00E+00	0.00E+00	1.26E-06	7.03E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
11145	500290.66	3734043.09	4.73E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	7.13E-08	1.40E-07	0.00E+00	0.00E+00	2.12E-07
11146	500281.77	3734046.75	4.8E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	8.16E-07	0.00E+00	0.00E+00	1.30E-06	7.22E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
11147	500272.88	3734050.42	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	8.26E-07	0.00E+00	0.00E+00	1.31E-06	7.31E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
11148	500263.98	3734054.08	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	8.36E-07	0.00E+00	0.00E+00	1.33E-06	7.40E-08	1.46E-07	0.00E+00	0.00E+00	2.20E-07
11149	500255.09	3734057.75	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	8.46E-07	0.00E+00	0.00E+00	1.34E-06	7.48E-08	1.47E-07	0.00E+00	0.00E+00	2.22E-07
11150	500246.2	3734061.41	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-07	8.55E-07	0.00E+00	0.00E+00	1.36E-06	7.56E-08	1.49E-07	0.00E+00	0.00E+00	2.25E-07
11151	500237.31	3734065.07	5.07E-07	8.64E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-07	8.64E-07	0.00E+00	0.00E+00	1.37E-06	7.64E-08	1.51E-07	0.00E+00	0.00E+00	2.27E-07
11152	500228.42	3734068.74	5.13E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	8.72E-07	0.00E+00	0.00E+00	1.38E-06	7.72E-08	1.52E-07	0.00E+00	0.00E+00	2.29E-07
11153	500219.53	3734072.4	5.17E-07	8.81E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-07	8.81E-07	0.00E+00	0.00E+00	1.40E-06	7.79E-08	1.53E-07	0.00E+00	0.00E+00	2.31E-07
11154	500733.92	3733543.96	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.71E-08	0.00E+00	0.00E+00	7.10E-08
11155	500734.16	3733310.57	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.35E-08
11156	500734.17	3733300.84	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
11157	500734.18	3733291.12	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.43E-08
11158	500734.19	3733281.4	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.52E-08	4.95E-08	0.00E+00	0.00E+00	7.47E-08
11159	500734.2	3733271.67	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.52E-08
11160	500734.21	3733261.95	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.57E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.56E-08
11161	500734.22	3733252.22	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
11162	500734.23	3733242.5	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.92E-07	0.00E+00	0.00E+00	4.63E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.67E-08
11163	500734.24	3733232.77	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
11164	500734.25	3733223.05	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.78E-08
11165	500734.26	3733213.32	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.84E-08
11166	500734.27	3733203.6	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.24E-08	0.00E+00	0.00E+00	7.90E-08
11167	500770.21	3733552.91	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.92E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.48E-08
11168	500766.51	3733561.83	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.34E-08	0.00E+00	0.00E+00	6.55E-08
11169	500762.8	3733570.74	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
11170	500759.09	3733579.66	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.69E-08
11171	500755.39	3733588.58	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.77E-08
11172	500751.68	3733597.49	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.30E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
11173	500747.97	3733606.41	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
11174	500744.27	3733615.33	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.65E-08	0.00E+00	0.00E+00	7.00E-08
11175	500740.56	3733624.24	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
11176	500736.86	3733633.16	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.76E-08	0.00E+00	0.00E+00	7.17E-08

11177	500733.15	3733642.07	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.26E-08
11178	500729.44	3733650.99	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.34E-08
11179	500725.74	3733659.91	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.49E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.43E-08
11180	500722.03	3733668.82	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
11181	500718.32	3733677.74	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
11182	500714.62	3733686.65	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.65E-07	2.59E-08	5.11E-08	0.00E+00	0.00E+00	7.70E-08
11183	500710.91	3733695.57	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.97E-07	0.00E+00	0.00E+00	4.71E-07	2.62E-08	5.17E-08	0.00E+00	0.00E+00	7.79E-08
11184	500707.2	3733704.49	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	3.00E-07	0.00E+00	0.00E+00	4.77E-07	2.66E-08	5.23E-08	0.00E+00	0.00E+00	7.89E-08
11185	500681.26	3733766.9	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
11186	500677.55	3733775.82	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	2.92E-08	5.75E-08	0.00E+00	0.00E+00	8.67E-08
11187	500673.85	3733784.73	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	2.95E-08	5.81E-08	0.00E+00	0.00E+00	8.76E-08
11188	500670.14	3733793.65	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.37E-07	0.00E+00	0.00E+00	5.36E-07	2.98E-08	5.88E-08	0.00E+00	0.00E+00	8.86E-08
11189	500666.43	3733802.56	2E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.94E-08	0.00E+00	0.00E+00	8.96E-08
11190	500662.73	3733811.48	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
11191	500659.02	3733820.4	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.16E-08
11192	500655.31	3733829.31	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.12E-08	6.14E-08	0.00E+00	0.00E+00	9.25E-08
11193	500651.61	3733838.23	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
11194	500647.9	3733847.14	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
11195	500644.2	3733856.06	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.54E-08
11196	500640.49	3733864.98	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
11197	500636.78	3733873.89	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.72E-08
11198	500610.84	3733936.31	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
11199	500585.57	3733961.5	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.26E-08	0.00E+00	0.00E+00	1.10E-07
11200	500576.64	3733965.18	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	3.77E-08	7.43E-08	0.00E+00	0.00E+00	1.12E-07
11201	500567.72	3733968.86	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.86E-08	7.59E-08	0.00E+00	0.00E+00	1.14E-07
11202	500558.79	3733972.54	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.46E-07	0.00E+00	0.00E+00	7.07E-07	3.94E-08	7.76E-08	0.00E+00	0.00E+00	1.17E-07
11203	500549.86	3733976.22	2.68E-07	4.55E-07	0.00E+00	0.00E+00	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	4.55E-07	0.00E+00	0.00E+00	7.23E-07	4.03E-08	7.94E-08	0.00E+00	0.00E+00	1.20E-07
11204	500540.93	3733979.89	2.73E-07	4.66E-07	0.00E+00	0.00E+00	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.66E-07	0.00E+00	0.00E+00	7.39E-07	4.12E-08	8.11E-08	0.00E+00	0.00E+00	1.22E-07
11205	500532.01	3733983.57	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.76E-07	0.00E+00	0.00E+00	7.55E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
11206	500523.08	3733987.25	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.86E-07	0.00E+00	0.00E+00	7.71E-07	4.30E-08	8.47E-08	0.00E+00	0.00E+00	1.28E-07
11207	500514.15	3733990.93	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.65E-08	0.00E+00	0.00E+00	1.30E-07
11208	500505.23	3733994.61	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	4.48E-08	8.83E-08	0.00E+00	0.00E+00	1.33E-07
11209	500496.3	3733998.29	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	4.58E-08	9.02E-08	0.00E+00	0.00E+00	1.36E-07
11210	500487.37	3734001.97	3.1E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	4.67E-08	9.20E-08	0.00E+00	0.00E+00	1.39E-07
11211	500478.44	3734005.65	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.39E-07	0.00E+00	0.00E+00	8.55E-07	4.77E-08	9.39E-08	0.00E+00	0.00E+00	1.42E-07
11212	500469.52	3734009.33	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.50E-07	0.00E+00	0.00E+00	8.72E-07	4.86E-08	9.58E-08	0.00E+00	0.00E+00	1.44E-07
11213	500460.59	3734013.01	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.76E-08	0.00E+00	0.00E+00	1.47E-07
11214	500451.66	3734016.69	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.71E-07	0.00E+00	0.00E+00	9.07E-07	5.05E-08	9.95E-08	0.00E+00	0.00E+00	1.50E-07
11215	500442.74	3734020.37	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
11216	500433.81	3734024.05	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
11217	500424.88	3734027.73	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	6.04E-07	0.00E+00	0.00E+00	9.59E-07	5.34E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
11218	500415.95	3734031.41	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.76E-07	5.44E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
11219	500407.03	3734035.09	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
11220	500398.1	3734038.77	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	6.36E-07	0.00E+00	0.00E+00	1.01E-06	5.63E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
11221	500389.17	3734042.45	3.8E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	6.47E-07	0.00E+00	0.00E+00	1.03E-06	5.72E-08	1.13E-07	0.00E+00	0.00E+00	1.70E-07
11222	500380.25	3734046.13	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	6.57E-07	0.00E+00	0.00E+00	1.04E-06	5.81E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
11223	500371.32	3734049.81	3.92E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	6.68E-07	0.00E+00	0.00E+00	1.06E-06	5.91E-08	1.16E-07	0.00E+00	0.00E+00	1.75E-07
11224	500362.39	3734053.49	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
11225	500353.46	3734057.17	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	6.09E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
11226	500344.54	3734060.85	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	6.99E-07	0.00E+00	0.00E+00	1.11E-06	6.18E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
11227	500335.61	3734064.53	4.16E-07	7.09E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	7.09E-07	0.00E+00	0.00E+00	1.13E-06	6.27E-08	1.24E-07	0.00E+00	0.00E+00	1.86E-07
11228	500326.68	3734068.2	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	6.36E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
11229	500317.75	3734071.88	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	7.29E-07	0.00E+00	0.00E+00	1.16E-06	6.44E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
11230	500308.83	3734075.56	4.34E-07	7.38E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	7.38E-07	0.00E+00	0.00E+00	1.17E-06	6.53E-08	1.29E-07	0.00E+00	0.00E+00	1.94E-07
11231	500299.9	3734079.24	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	7.47E-07	0.00E+00	0.00E+00	1.19E-06	6.61E-08	1.30E-07	0.00E+00	0.00E+00	1.96E-07
11232	500290.97	3734082.92	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	7.56E-07	0.00E+00	0.00E+00	1.20E-06	6.69E-08	1.32E-07	0.00E+00	0.00E+00	1.99E-07
11233	500282.05	3734086.6	4.5E-07	7.65E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	7.65E-07	0.00E+00	0.00E+00	1.21E-06	6.77E-08	1.33E-07	0.00E+00	0.00E+00	2.01E-07
11234	500273.12	3734090.28	4.55E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	7.74E-07	0.00E+00	0.00E+00	1.23E-06	6.84E-08	1.35E-07	0.00E+00	0.00E+00	2.03E-07
11235	500264.19	3734093.96	4.59E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-07	7.82E-07	0.00E+00	0.00E+00	1.24E-06	6.92E-08	1.36E-07	0.00E+00	0.00E+00	2.05E-07
11236	500255.26	3734097.64	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-07	7.90E-07	0.00E+00	0.00E+00	1.25E-06	6.99E-08	1.38E-07	0.00E+00	0.00E+00	2.08E-07
11237	500246.34	3734101.32	4.69E-07	7.98E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-07	7.98E-07	0.00E+00	0.00E+00	1.27E-06	7.06E-08	1.39E-07	0.00E+00	0.00E+00	2.10E-07
11238	500237.41	3734105	4.73E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-07	8.06E-07	0.00E+00	0.00E+00	1.28E-06	7.13E-08	1.40E-07	0.00E+00	0.00E+00	2.12E-07
11239	500228.48	3734108.68	4.78E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	8.13E-07	0.00E+00	0.00E+00	1.29E-06	7.19E-08	1.42E-07	0.00E+00	0.00E+00	2.14E-07
11240	500219.56	3734112.36	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	8.20E-07	0.00E+00	0.00E+00	1.30E-06	7.25E-08	1.43E-07	0.00E+00	0.00E+00	2.15E-07
11241	500773.92	3733544	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.30E-08
11242	500774.15	3733320.33	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
11243	500774.16	3733310.61	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
11244	500774.17	3733300.89	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
11245	500774.18	3733291.16	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.04E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.69E-08
11246	500774.19	3733281.44	1.5E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.46E-08	0.00E+00	0.00E+00	6.72E-08
11247	500774.2	3733271.71	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.48E-08	0.00E+00	0.00E+00	6.76E-08
11248	500774.21	3733261.99	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
11249	500774.22	3733252.26	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.30E-08	4.54E-08	0.00E+00	0.00E+00	6.84E-08
11250	500774.23	3733242.54	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
11251	500774.24	3733232.81	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.19E-07	2.34E-08	4.60E-08	0.00E+00	0.00E+00	6.94E-08
11252	500774.25	3733223.09	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
11253	500774.26	3733213.37	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.03E-08
11254	500774.27	3733203.64	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
11255	500810.2	3733552.99	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.76E-08
11256	500806.48	3733561.93	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
11257	500802.76	3733570.88	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
11258	500799.04	3733579.83	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.95E-08
11259	500795.32	3733588.77	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.01E-08
11260	500791.6	3733597.72	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.03E-08	0.00E+00	0.00E+00	6.08E-08
11261	500787.88	3733606.67	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.15E-08
11262	500784.16	3733615.62	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.23E-08
11263	500780.44	3733624.56	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.30E-08
11264	500776.73	3733633.51	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
11265	500773.01	3733642.46	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
11266	500769.29	3733651.41	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.52E-08
11267	500765.57	3733660.35	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
11268	500761.85	3733669.3	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.24E-08	4.42E-08	0.00E+00	0.00E+00	6.66E-08
11269	500758.13	3733678.25	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.75E-08
11270	500754.41	3733687.2	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
11271	500750.69	3733696.14	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
11272	500746.97	3733705.09	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.23E-07	2.36E-08	4.64E-08	0.00E+00	0.00E+00	7.00E-08
11273	500720.93	3733767.72	1.7E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.59E-08
11274	500717.21	3733776.67	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.58E-08	5.09E-08	0.00E+00	0.00E+00	7.68E-08
11275	500713.49	3733785.62	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
11276	500709.78	3733794.57	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.80E-07	2.68E-08	5.27E-08	0.00E+00	0.00E+00	7.95E-08
11277	500706.06	3733803.51	1.8E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.33E-08	0.00E+00	0.00E+00	8.04E-08
11278	500702.34	3733812.46	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.12E-08
11279	500698.62	3733821.41	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.45E-08	0.00E+00	0.00E+00	8.21E-08
11280	500694.9	3733830.36	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.30E-08
11281	500691.18	3733839.3	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.39E-08
11282	500687.46	3733848.25	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.38E-08
11283	500683.74	3733857.2	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.46E-08
11284	500680.02	3733866.15	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.29E-07	0.00E+00	0.00E+00	5.22E-07	2.91E-08	5.73E-08	0.00E+00	0.00E+00	8.64E-08
11285	500676.3	3733875.09	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
11286	500672.58	3733884.04	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.97E-08	5.84E-08	0.00E+00	0.00E+00	8.81E-08
11287	500668.86	3733892.99	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.90E-08	0.00E+00	0.00E+00	8.89E-08
11288	500665.14	3733901.94	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.42E-07	3.02E-08	5.95E-08	0.00E+00	0.00E+00	8.97E-08
11289	500661.42	3733910.88	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
11290	500650.26	3733937.73	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	3.13E-08	6.16E-08	0.00E+00	0.00E+00	9.29E-08
11291	500646.54	3733946.67	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
11292	500642.83	3733955.62	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
11293	500586.87	3734000.93	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.62E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
11294	500577.92	3734004.62	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	3.69E-08	7.28E-08	0.00E+00	0.00E+00	1.10E-07
11295	500568.96	3734008.31	2.51E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.26E-07	0.00E+00	0.00E+00	6.77E-07	3.77E-08	7.43E-08	0.00E+00	0.00E+00	1.12E-07
11296	500560	3734012	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.91E-07	3.85E-08	7.59E-08	0.00E+00	0.00E+00	1.14E-07
11297	500551.04	3734015.7	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.45E-07	0.00E+00	0.00E+00	7.06E-07	3.93E-08	7.75E-08	0.00E+00	0.00E+00	1.17E-07
11298	500542.08	3734019.39	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	4.54E-07	0.00E+00	0.00E+00	7.20E-07	4.01E-08	7.91E-08	0.00E+00	0.00E+00	1.19E-07
11299	500533.12	3734023.08	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
11300	500524.16	3734026.77	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.72E-07	0.00E+00	0.00E+00	7.50E-07	4.18E-08	8.23E-08	0.00E+00	0.00E+00	1.24E-07
11301	500515.21	3734030.47	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	4.82E-07	0.00E+00	0.00E+00	7.65E-07	4.26E-08	8.40E-08	0.00E+00	0.00E+00	1.27E-07
11302	500506.25	3734034.16	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.35E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
11303	500497.29	3734037.85	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.01E-07	0.00E+00	0.00E+00	7.95E-07	4.43E-08	8.73E-08	0.00E+00	0.00E+00	1.32E-07
11304	500488.33	3734041.54	3E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
11305	500479.37	3734045.24	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
11306	500470.41	3734048.93	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	4.69E-08	9.23E-08	0.00E+00	0.00E+00	1.39E-07

11307	500461.45	3734052.62	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.77E-08	9.40E-08	0.00E+00	0.00E+00	1.42E-07
11308	500452.49	3734056.32	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	5.49E-07	0.00E+00	0.00E+00	8.72E-07	4.86E-08	9.57E-08	0.00E+00	0.00E+00	1.44E-07
11309	500443.54	3734060.01	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	5.59E-07	0.00E+00	0.00E+00	8.87E-07	4.94E-08	9.74E-08	0.00E+00	0.00E+00	1.47E-07
11310	500434.58	3734063.7	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	5.69E-07	0.00E+00	0.00E+00	9.03E-07	5.03E-08	9.91E-08	0.00E+00	0.00E+00	1.49E-07
11311	500425.62	3734067.39	3.4E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	5.11E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
11312	500416.66	3734071.09	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
11313	500407.7	3734074.78	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.97E-07	0.00E+00	0.00E+00	9.48E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
11314	500398.74	3734078.47	3.56E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.07E-07	0.00E+00	0.00E+00	9.63E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.59E-07
11315	500389.78	3734082.16	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.16E-07	0.00E+00	0.00E+00	9.78E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
11316	500380.83	3734085.86	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.93E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
11317	500371.87	3734089.55	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	6.35E-07	0.00E+00	0.00E+00	1.01E-06	5.61E-08	1.11E-07	0.00E+00	0.00E+00	1.67E-07
11318	500362.91	3734093.24	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.69E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
11319	500353.95	3734096.93	3.83E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	6.53E-07	0.00E+00	0.00E+00	1.04E-06	5.77E-08	1.14E-07	0.00E+00	0.00E+00	1.71E-07
11320	500344.99	3734100.63	3.89E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	6.61E-07	0.00E+00	0.00E+00	1.05E-06	5.85E-08	1.15E-07	0.00E+00	0.00E+00	1.74E-07
11321	500336.03	3734104.32	3.94E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	6.70E-07	0.00E+00	0.00E+00	1.06E-06	5.93E-08	1.17E-07	0.00E+00	0.00E+00	1.76E-07
11322	500327.07	3734108.01	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	6.79E-07	0.00E+00	0.00E+00	1.08E-06	6.00E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
11323	500318.12	3734111.7	4.04E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	6.87E-07	0.00E+00	0.00E+00	1.09E-06	6.08E-08	1.20E-07	0.00E+00	0.00E+00	1.80E-07
11324	500309.16	3734115.4	4.08E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	6.15E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
11325	500300.2	3734119.09	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	7.03E-07	0.00E+00	0.00E+00	1.12E-06	6.22E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
11326	500291.24	3734122.78	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.11E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
11327	500282.28	3734126.47	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	7.19E-07	0.00E+00	0.00E+00	1.14E-06	6.36E-08	1.25E-07	0.00E+00	0.00E+00	1.89E-07
11328	500273.32	3734130.17	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	7.26E-07	0.00E+00	0.00E+00	1.15E-06	6.42E-08	1.27E-07	0.00E+00	0.00E+00	1.91E-07
11329	500264.36	3734133.86	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	7.33E-07	0.00E+00	0.00E+00	1.16E-06	6.49E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
11330	500813.92	3733544.04	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
11331	500813.93	3733534.31	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
11332	500813.94	3733524.59	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.77E-08	0.00E+00	0.00E+00	5.69E-08
11333	500813.95	3733514.86	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11334	500813.96	3733505.14	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11335	500813.97	3733495.42	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11336	500813.98	3733485.69	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11337	500813.99	3733475.97	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11338	500814	3733466.24	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11339	500814.01	3733456.52	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11340	500814.02	3733446.79	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11341	500814.03	3733437.07	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11342	500814.04	3733427.34	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.77E-08	0.00E+00	0.00E+00	5.69E-08
11343	500814.05	3733417.62	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.69E-08
11344	500814.06	3733407.9	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
11345	500814.07	3733398.17	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.79E-08	0.00E+00	0.00E+00	5.71E-08
11346	500814.08	3733388.45	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
11347	500814.13	3733339.82	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.80E-08
11348	500814.14	3733330.1	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
11349	500814.15	3733320.38	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.84E-08
11350	500814.16	3733310.65	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.89E-08	0.00E+00	0.00E+00	5.87E-08
11351	500814.17	3733300.93	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
11352	500814.18	3733291.2	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
11353	500814.19	3733281.48	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.04E-08	0.00E+00	0.00E+00	6.09E-08
11354	500814.2	3733271.75	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.12E-08
11355	500814.21	3733262.03	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.34E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.08E-08	0.00E+00	0.00E+00	6.16E-08
11356	500814.22	3733252.3	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.09E-08	4.11E-08	0.00E+00	0.00E+00	6.19E-08
11357	500814.23	3733242.58	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.13E-08	0.00E+00	0.00E+00	6.23E-08
11358	500814.24	3733232.86	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
11359	500814.25	3733223.13	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.31E-08
11360	500814.26	3733213.41	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
11361	500814.27	3733203.68	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.15E-08	4.24E-08	0.00E+00	0.00E+00	6.40E-08
11362	500850.19	3733553.05	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
11363	500846.46	3733562.03	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
11364	500842.73	3733571	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.36E-08
11365	500839	3733579.98	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
11366	500835.26	3733588.95	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
11367	500831.53	3733597.93	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
11368	500827.8	3733606.91	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
11369	500824.07	3733615.88	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.65E-08
11370	500820.34	3733624.86	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.79E-08	0.00E+00	0.00E+00	5.71E-08
11371	500816.61	3733633.83	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
11372	500812.88	3733642.81	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.87E-08	0.00E+00	0.00E+00	5.84E-08
11373	500809.15	3733651.78	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.91E-08	0.00E+00	0.00E+00	5.90E-08
11374	500805.42	3733660.76	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
11375	500801.69	3733669.73	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
11376	500797.96	3733678.71	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.05E-08	4.05E-08	0.00E+00	0.00E+00	6.10E-08
11377	500794.22	3733687.68	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
11378	500790.49	3733696.66	1.4E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.77E-07	2.10E-08	4.14E-08	0.00E+00	0.00E+00	6.24E-08
11379	500786.76	3733705.63	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.31E-08
11380	500760.65	3733768.46	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
11381	500756.91	3733777.43	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
11382	500753.18	3733786.41	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.99E-08
11383	500749.45	3733795.39	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.68E-08	0.00E+00	0.00E+00	7.06E-08
11384	500745.72	3733804.36	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.74E-08	0.00E+00	0.00E+00	7.14E-08
11385	500741.99	3733813.34	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.79E-08	0.00E+00	0.00E+00	7.22E-08
11386	500738.26	3733822.31	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.46E-08	4.84E-08	0.00E+00	0.00E+00	7.30E-08
11387	500734.53	3733831.29	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.38E-08
11388	500730.8	3733840.26	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
11389	500727.07	3733849.24	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.54E-08
11390	500723.34	3733858.21	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
11391	500719.6	3733867.19	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.64E-07	2.59E-08	5.10E-08	0.00E+00	0.00E+00	7.69E-08
11392	500715.87	3733876.16	1.74E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.95E-07	0.00E+00	0.00E+00	4.69E-07	2.61E-08	5.15E-08	0.00E+00	0.00E+00	7.76E-08
11393	500712.14	3733885.14	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.84E-08
11394	500708.41	3733894.11	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.01E-07	0.00E+00	0.00E+00	4.78E-07	2.66E-08	5.25E-08	0.00E+00	0.00E+00	7.91E-08
11395	500704.68	3733903.09	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
11396	500700.95	3733912.06	1.8E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.35E-08	0.00E+00	0.00E+00	8.07E-08
11397	500697.22	3733921.04	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.15E-08
11398	500693.49	3733930.01	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
11399	500689.76	3733938.99	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.30E-08
11400	500686.03	3733947.96	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.06E-07	2.82E-08	5.55E-08	0.00E+00	0.00E+00	8.37E-08
11401	500614.98	3734029.31	2.21E-07	3.77E-07	0.00E+00	0.00E+00	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.77E-07	0.00E+00	0.00E+00	5.98E-07	3.33E-08	6.56E-08	0.00E+00	0.00E+00	9.90E-08
11402	500588.02	3734040.42	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.36E-07	3.54E-08	6.98E-08	0.00E+00	0.00E+00	1.05E-07
11403	500579.03	3734044.13	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.61E-08	7.12E-08	0.00E+00	0.00E+00	1.07E-07
11404	500570.04	3734047.83	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.26E-08	0.00E+00	0.00E+00	1.09E-07
11405	500561.06	3734051.53	2.5E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
11406	500552.07	3734055.24	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.33E-07	0.00E+00	0.00E+00	6.88E-07	3.83E-08	7.55E-08	0.00E+00	0.00E+00	1.14E-07
11407	500543.09	3734058.94	2.6E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	3.91E-08	7.70E-08	0.00E+00	0.00E+00	1.16E-07
11408	500534.1	3734062.65	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.84E-08	0.00E+00	0.00E+00	1.18E-07
11409	500525.11	3734066.35	2.7E-07	4.59E-07	0.00E+00	0.00E+00	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.28E-07	4.06E-08	7.99E-08	0.00E+00	0.00E+00	1.21E-07
11410	500516.13	3734070.05	2.75E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.67E-07	0.00E+00	0.00E+00	7.42E-07	4.13E-08	8.14E-08	0.00E+00	0.00E+00	1.23E-07
11411	500507.14	3734073.76	2.8E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.76E-07	0.00E+00	0.00E+00	7.56E-07	4.21E-08	8.29E-08	0.00E+00	0.00E+00	1.25E-07
11412	500498.15	3734077.46	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	4.85E-07	0.00E+00	0.00E+00	7.69E-07	4.29E-08	8.44E-08	0.00E+00	0.00E+00	1.27E-07
11413	500489.17	3734081.17	2.9E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.60E-08	0.00E+00	0.00E+00	1.30E-07
11414	500480.18	3734084.87	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	4.44E-08	8.75E-08	0.00E+00	0.00E+00	1.32E-07
11415	500471.19	3734088.57	3E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
11416	500462.21	3734092.28	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	5.19E-07	0.00E+00	0.00E+00	8.25E-07	4.59E-08	9.05E-08	0.00E+00	0.00E+00	1.36E-07
11417	500453.22	3734095.98	3.1E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	4.67E-08	9.20E-08	0.00E+00	0.00E+00	1.39E-07
11418	500444.24	3734099.69	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.37E-07	0.00E+00	0.00E+00	8.52E-07	4.75E-08	9.35E-08	0.00E+00	0.00E+00	1.41E-07
11419	500435.25	3734103.39	3.2E-07	5.45E-07	0.00E+00	0.00E+00	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.45E-07	0.00E+00	0.00E+00	8.66E-07	4.82E-08	9.50E-08	0.00E+00	0.00E+00	1.43E-07
11420	500426.26	3734107.09	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.79E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.45E-07
11421	500417.28	3734110.8	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.92E-07	4.97E-08	9.80E-08	0.00E+00	0.00E+00	1.48E-07
11422	500408.29	3734114.5	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.71E-07	0.00E+00	0.00E+00	9.06E-07	5.05E-08	9.94E-08	0.00E+00	0.00E+00	1.50E-07
11423	500399.3	3734118.21	3.4E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.79E-07	0.00E+00	0.00E+00	9.19E-07	5.12E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
11424	500390.32	3734121.91	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.87E-07	0.00E+00	0.00E+00	9.32E-07	5.19E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
11425	500381.33	3734125.61	3.5E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.95E-07	0.00E+00	0.00E+00	9.45E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.56E-07
11426	500372.34	3734129.32	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.58E-07	5.34E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
11427	500363.36	3734133.02	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	6.11E-07	0.00E+00	0.00E+00	9.70E-07	5.41E-08	1.06E-07	0.00E+00	0.00E+00	1.61E-07
11428	500282.48	3734166.36	3.97E-07	6.76E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	6.76E-07	0.00E+00	0.00E+00	1.07E-06	5.98E-08	1.18E-07	0.00E+00	0.00E+00	1.78E-07
11429	500273.49	3734170.06	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	6.83E-07	0.00E+00	0.00E+00	1.08E-06	6.04E-08	1.19E-07	0.00E+00	0.00E+00	1.79E-07
11430	500264.51	3734173.77	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	6.89E-07	0.00E+00	0.00E+00	1.09E-06	6.09E-08	1.20E-07	0.00E+00	0.00E+00	1.81E-07
11431	500255.52	3734177.47	4.08E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	6.95E-07	0.00E+00	0.00E+00	1.10E-06	6.15E-08	1.21E-07	0.00E+00	0.00E+00	1.83E-07
11432	500246.53	3734181.17	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	7.01E-07	0.00E+00	0.00E+00	1.11E-06	6.20E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
11433	500237.55	3734184.88	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	7.06E-07	0.00E+00	0.00E+00	1.12E-06	6.25E-08	1.23E-07	0.00E+00	0.00E+00	1.86E-07
11434	500228.56	3734188.58	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	7.12E-07	0.00E+00	0.00E+00	1.13E-06	6.29E-08	1.24E-07	0.00E+00	0.00E+00	1.87E-07
11435	500219.58	3734192.29	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	7.17E-07	0.00E+00	0.00E+00	1.14E-06	6.34E-08	1.25E-07	0.00E+00	0.00E+00	1.88E-07
11436	500853.92	3733544.08	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.21E-08

11437	500853.93	3733534.35	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
11438	500853.94	3733524.63	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.19E-08
11439	500853.95	3733514.91	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
11440	500853.96	3733505.18	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
11441	500853.97	3733495.46	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
11442	500853.98	3733485.73	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
11443	500853.99	3733476.01	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
11444	500854	3733466.28	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
11445	500854.01	3733456.56	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
11446	500854.02	3733446.83	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
11447	500854.03	3733437.11	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
11448	500854.04	3733427.39	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
11449	500854.05	3733417.66	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
11450	500854.06	3733407.94	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
11451	500854.11	3733359.31	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
11452	500854.12	3733349.59	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
11453	500854.13	3733339.87	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
11454	500854.14	3733330.14	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.30E-08
11455	500854.15	3733320.42	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.32E-08
11456	500854.16	3733310.69	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
11457	500854.17	3733300.97	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.36E-08
11458	500854.18	3733291.24	1.2E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
11459	500854.19	3733281.52	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
11460	500854.2	3733271.79	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
11461	500854.21	3733262.07	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.30E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.46E-08
11462	500854.22	3733252.35	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
11463	500854.23	3733242.62	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
11464	500854.24	3733232.9	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
11465	500854.25	3733223.17	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.60E-08
11466	500854.26	3733213.45	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.78E-08
11467	500854.27	3733203.72	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.81E-08
11468	500890.25	3733552.96	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
11469	500886.57	3733561.8	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
11470	500882.9	3733570.64	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.91E-08
11471	500879.22	3733579.48	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
11472	500875.55	3733588.32	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.02E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
11473	500871.87	3733597.16	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
11474	500868.2	3733605.99	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.10E-08
11475	500864.52	3733614.83	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.15E-08
11476	500860.85	3733623.67	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.15E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.21E-08
11477	500857.18	3733632.51	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
11478	500853.5	3733641.35	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.31E-08
11479	500849.83	3733650.19	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.37E-08
11480	500846.15	3733659.03	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
11481	500842.48	3733667.87	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.48E-08
11482	500838.8	3733676.71	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.54E-08
11483	500835.13	3733685.55	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.60E-08
11484	500831.45	3733694.39	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.75E-08	0.00E+00	0.00E+00	5.66E-08
11485	500827.78	3733703.23	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.72E-08
11486	500824.11	3733712.07	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.78E-08
11487	500820.43	3733720.9	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
11488	500816.76	3733729.74	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
11489	500794.71	3733782.78	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.81E-07	2.12E-08	4.18E-08	0.00E+00	0.00E+00	6.30E-08
11490	500791.04	3733791.62	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.37E-08
11491	500787.36	3733800.46	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.43E-08
11492	500783.69	3733809.3	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.31E-08	0.00E+00	0.00E+00	6.50E-08
11493	500780.01	3733818.14	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
11494	500776.34	3733826.98	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.64E-08
11495	500772.66	3733835.81	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.70E-08
11496	500768.99	3733844.65	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.77E-08
11497	500765.31	3733853.49	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.54E-08	0.00E+00	0.00E+00	6.84E-08
11498	500761.64	3733862.33	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
11499	500757.97	3733871.17	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
11500	500754.29	3733880.01	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.04E-08
11501	500750.62	3733888.85	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.30E-07	2.40E-08	4.72E-08	0.00E+00	0.00E+00	7.11E-08
11502	500746.94	3733897.69	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
11503	500743.27	3733906.53	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08
11504	500739.59	3733915.37	1.64E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.78E-07	0.00E+00	0.00E+00	4.42E-07	2.46E-08	4.85E-08	0.00E+00	0.00E+00	7.32E-08
11505	500735.92	3733924.21	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.38E-08
11506	500732.24	3733933.05	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.45E-08
11507	500728.57	3733941.89	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.54E-07	2.53E-08	4.98E-08	0.00E+00	0.00E+00	7.52E-08
11508	500724.9	3733950.73	1.7E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
11509	500679.3	3734042.77	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.05E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.36E-08
11510	500670.45	3734046.41	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.15E-07	2.87E-08	5.66E-08	0.00E+00	0.00E+00	8.53E-08
11511	500661.6	3734050.06	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
11512	500652.75	3734053.71	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.88E-08
11513	500643.9	3734057.36	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.47E-07	3.05E-08	6.01E-08	0.00E+00	0.00E+00	9.06E-08
11514	500635.05	3734061	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.24E-08
11515	500626.2	3734064.65	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.43E-08
11516	500617.35	3734068.3	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
11517	500590.8	3734079.24	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
11518	500581.95	3734082.89	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.31E-07	3.52E-08	6.93E-08	0.00E+00	0.00E+00	1.04E-07
11519	500573.1	3734086.54	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.05E-07	0.00E+00	0.00E+00	6.43E-07	3.58E-08	7.05E-08	0.00E+00	0.00E+00	1.06E-07
11520	500564.25	3734090.19	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	3.65E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
11521	500555.4	3734093.84	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.32E-08	0.00E+00	0.00E+00	1.10E-07
11522	500546.55	3734097.48	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.78E-07	3.78E-08	7.45E-08	0.00E+00	0.00E+00	1.12E-07
11523	500537.7	3734101.13	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	3.85E-08	7.58E-08	0.00E+00	0.00E+00	1.14E-07
11524	500528.85	3734104.78	2.6E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.43E-07	0.00E+00	0.00E+00	7.03E-07	3.91E-08	7.71E-08	0.00E+00	0.00E+00	1.16E-07
11525	500520	3734108.43	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.50E-07	0.00E+00	0.00E+00	7.15E-07	3.98E-08	7.84E-08	0.00E+00	0.00E+00	1.18E-07
11526	500511.15	3734112.08	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
11527	500502.3	3734115.72	2.73E-07	4.66E-07	0.00E+00	0.00E+00	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.66E-07	0.00E+00	0.00E+00	7.39E-07	4.12E-08	8.11E-08	0.00E+00	0.00E+00	1.22E-07
11528	500493.45	3734119.37	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.19E-08	8.24E-08	0.00E+00	0.00E+00	1.24E-07
11529	500484.6	3734123.02	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.81E-07	0.00E+00	0.00E+00	7.63E-07	4.25E-08	8.38E-08	0.00E+00	0.00E+00	1.26E-07
11530	500475.74	3734126.67	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
11531	500466.89	3734130.31	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
11532	500458.04	3734133.96	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	4.46E-08	8.78E-08	0.00E+00	0.00E+00	1.32E-07
11533	500378.39	3734166.79	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.04E-07	5.04E-08	9.92E-08	0.00E+00	0.00E+00	1.50E-07
11534	500369.54	3734170.44	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.76E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
11535	500360.69	3734174.09	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	5.83E-07	0.00E+00	0.00E+00	9.26E-07	5.16E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
11536	500351.84	3734177.74	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	5.22E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
11537	500342.99	3734181.38	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	5.28E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
11538	500334.14	3734185.03	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
11539	500325.29	3734188.68	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	6.09E-07	0.00E+00	0.00E+00	9.67E-07	5.39E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
11540	500316.44	3734192.33	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	6.15E-07	0.00E+00	0.00E+00	9.77E-07	5.44E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
11541	500307.59	3734195.98	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
11542	500298.74	3734199.62	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	6.27E-07	0.00E+00	0.00E+00	9.96E-07	5.55E-08	1.09E-07	0.00E+00	0.00E+00	1.65E-07
11543	500289.89	3734203.27	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
11544	500281.04	3734206.92	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	6.38E-07	0.00E+00	0.00E+00	1.01E-06	5.65E-08	1.11E-07	0.00E+00	0.00E+00	1.68E-07
11545	500272.19	3734210.57	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	6.44E-07	0.00E+00	0.00E+00	1.02E-06	5.70E-08	1.12E-07	0.00E+00	0.00E+00	1.69E-07
11546	500263.34	3734214.22	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	6.49E-07	0.00E+00	0.00E+00	1.03E-06	5.74E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
11547	500254.49	3734217.86	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	6.54E-07	0.00E+00	0.00E+00	1.04E-06	5.79E-08	1.14E-07	0.00E+00	0.00E+00	1.72E-07
11548	500245.64	3734221.51	3.87E-07	6.59E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	6.59E-07	0.00E+00	0.00E+00	1.05E-06	5.83E-08	1.15E-07	0.00E+00	0.00E+00	1.73E-07
11549	500236.79	3734225.16	3.9E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	6.64E-07	0.00E+00	0.00E+00	1.05E-06	5.87E-08	1.16E-07	0.00E+00	0.00E+00	1.74E-07
11550	500227.94	3734228.81	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	6.69E-07	0.00E+00	0.00E+00	1.06E-06	5.91E-08	1.16E-07	0.00E+00	0.00E+00	1.76E-07
11551	500219.09	3734232.46	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	6.73E-07	0.00E+00	0.00E+00	1.07E-06	5.95E-08	1.17E-07	0.00E+00	0.00E+00	1.77E-07
11552	500893.92	3733544.12	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
11553	500893.93	3733534.4	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	1.61E-08	3.16E-08	0.00E+00	0.00E+00	4.77E-08
11554	500893.94	3733524.67	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.77E-08
11555	500893.95	3733514.95	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
11556	500893.96	3733505.22	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
11557	500893.97	3733495.5	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.76E-08
11558	500893.98	3733485.77	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
11559	500893.99	3733476.05	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
11560	500894	3733466.32	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
11561	500894.01	3733456.6	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
11562	500894.02	3733446.88	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
11563	500894.03	3733437.15	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
11564	500894.04	3733427.43	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
11565	500894.09	3733378.8	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
11566	500894.1	3733369.08	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08

11567	500894.11	3733359.36	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
11568	500894.12	3733349.63	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
11569	500894.13	3733339.91	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.85E-08
11570	500894.14	3733330.18	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
11571	500894.15	3733320.46	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.24E-08	0.00E+00	0.00E+00	4.88E-08
11572	500894.16	3733310.73	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
11573	500894.17	3733301.01	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.91E-08
11574	500894.18	3733291.28	1.1E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
11575	500894.19	3733281.56	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
11576	500894.2	3733271.84	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.30E-08	0.00E+00	0.00E+00	4.98E-08
11577	500894.21	3733262.11	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
11578	500894.22	3733252.39	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.03E-08
11579	500894.23	3733242.66	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
11580	500894.24	3733232.94	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
11581	500894.25	3733223.21	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.11E-08
11582	500894.26	3733213.49	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
11583	500894.27	3733203.76	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
11584	500930.23	3733553.03	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
11585	500926.55	3733561.9	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
11586	500922.86	3733570.77	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
11587	500919.17	3733579.64	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
11588	500915.49	3733588.51	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.58E-08
11589	500911.8	3733597.38	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
11590	500908.11	3733606.25	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.68E-08
11591	500904.42	3733615.11	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.73E-08
11592	500900.74	3733623.98	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.88E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.77E-08
11593	500897.05	3733632.85	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
11594	500893.36	3733641.72	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
11595	500889.68	3733650.59	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.91E-08
11596	500885.99	3733659.46	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
11597	500882.3	3733668.33	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
11598	500878.62	3733677.2	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.70E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
11599	500874.93	3733686.07	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.12E-08
11600	500871.24	3733694.94	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
11601	500867.56	3733703.81	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
11602	500863.87	3733712.68	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
11603	500860.18	3733721.55	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
11604	500856.49	3733730.41	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.40E-08
11605	500841.75	3733765.89	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
11606	500838.06	3733774.76	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11607	500834.37	3733783.63	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	1.93E-08	3.81E-08	0.00E+00	0.00E+00	5.74E-08
11608	500830.69	3733792.5	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.85E-08	0.00E+00	0.00E+00	5.80E-08
11609	500827	3733801.37	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
11610	500823.31	3733810.24	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
11611	500819.63	3733819.11	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.97E-08	0.00E+00	0.00E+00	5.98E-08
11612	500815.94	3733827.98	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.01E-08	0.00E+00	0.00E+00	6.04E-08
11613	500812.25	3733836.84	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.05E-08	4.05E-08	0.00E+00	0.00E+00	6.10E-08
11614	500793.82	3733881.19	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.41E-08
11615	500790.13	3733890.06	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
11616	500786.44	3733898.93	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.53E-08
11617	500782.76	3733907.8	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
11618	500779.07	3733916.67	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.02E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.65E-08
11619	500775.38	3733925.54	1.5E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.71E-08
11620	500771.7	3733934.41	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.77E-08
11621	500768.01	3733943.28	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
11622	500764.32	3733952.14	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
11623	500727.45	3734040.84	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.52E-08	4.95E-08	0.00E+00	0.00E+00	7.47E-08
11624	500723.77	3734049.71	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.86E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.52E-08
11625	500720.08	3734058.58	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.88E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.02E-08	0.00E+00	0.00E+00	7.58E-08
11626	500707.51	3734071.1	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	2.96E-07	0.00E+00	0.00E+00	4.70E-07	2.62E-08	5.16E-08	0.00E+00	0.00E+00	7.78E-08
11627	500698.63	3734074.76	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	3.02E-07	0.00E+00	0.00E+00	4.79E-07	2.67E-08	5.26E-08	0.00E+00	0.00E+00	7.93E-08
11628	500689.75	3734078.43	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.09E-08
11629	500680.87	3734082.09	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.24E-08
11630	500671.99	3734085.75	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.58E-08	0.00E+00	0.00E+00	8.41E-08
11631	500663.11	3734089.41	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
11632	500654.23	3734093.07	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
11633	500645.35	3734096.73	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
11634	500636.47	3734100.39	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.45E-07	0.00E+00	0.00E+00	5.48E-07	3.05E-08	6.02E-08	0.00E+00	0.00E+00	9.07E-08
11635	500627.59	3734104.05	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.24E-08
11636	500618.71	3734107.71	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
11637	500592.07	3734118.69	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.35E-08	6.61E-08	0.00E+00	0.00E+00	9.96E-08
11638	500583.19	3734122.35	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.86E-07	0.00E+00	0.00E+00	6.13E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
11639	500574.31	3734126.01	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.24E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
11640	500565.43	3734129.67	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	4.00E-07	0.00E+00	0.00E+00	6.35E-07	3.54E-08	6.97E-08	0.00E+00	0.00E+00	1.05E-07
11641	500556.55	3734133.33	2.4E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
11642	500476.63	3734166.27	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
11643	500467.75	3734169.93	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.58E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
11644	500458.87	3734173.59	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.84E-07	0.00E+00	0.00E+00	7.68E-07	4.28E-08	8.43E-08	0.00E+00	0.00E+00	1.27E-07
11645	500449.99	3734177.25	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.79E-07	4.34E-08	8.55E-08	0.00E+00	0.00E+00	1.29E-07
11646	500441.1	3734180.91	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	4.97E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.67E-08	0.00E+00	0.00E+00	1.31E-07
11647	500432.22	3734184.57	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	5.04E-07	0.00E+00	0.00E+00	8.00E-07	4.46E-08	8.78E-08	0.00E+00	0.00E+00	1.32E-07
11648	500423.34	3734188.23	3E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	5.11E-07	0.00E+00	0.00E+00	8.11E-07	4.52E-08	8.90E-08	0.00E+00	0.00E+00	1.34E-07
11649	500414.46	3734191.89	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	4.57E-08	9.01E-08	0.00E+00	0.00E+00	1.36E-07
11650	500405.58	3734195.55	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.24E-07	0.00E+00	0.00E+00	8.31E-07	4.63E-08	9.12E-08	0.00E+00	0.00E+00	1.38E-07
11651	500396.7	3734199.21	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.30E-07	0.00E+00	0.00E+00	8.41E-07	4.69E-08	9.23E-08	0.00E+00	0.00E+00	1.39E-07
11652	500387.82	3734202.87	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.51E-07	4.74E-08	9.34E-08	0.00E+00	0.00E+00	1.41E-07
11653	500378.94	3734206.53	3.19E-07	5.42E-07	0.00E+00	0.00E+00	8.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.42E-07	0.00E+00	0.00E+00	8.61E-07	4.80E-08	9.45E-08	0.00E+00	0.00E+00	1.42E-07
11654	500370.06	3734210.19	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.49E-07	0.00E+00	0.00E+00	8.71E-07	4.85E-08	9.56E-08	0.00E+00	0.00E+00	1.44E-07
11655	500361.18	3734213.85	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.66E-08	0.00E+00	0.00E+00	1.46E-07
11656	500352.3	3734217.51	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.90E-07	4.96E-08	9.76E-08	0.00E+00	0.00E+00	1.47E-07
11657	500343.42	3734221.17	3.33E-07	5.66E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	5.66E-07	0.00E+00	0.00E+00	8.99E-07	5.01E-08	9.86E-08	0.00E+00	0.00E+00	1.49E-07
11658	500334.54	3734224.83	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	5.72E-07	0.00E+00	0.00E+00	9.08E-07	5.06E-08	9.96E-08	0.00E+00	0.00E+00	1.50E-07
11659	500325.66	3734228.49	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.16E-07	5.11E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
11660	500316.78	3734232.16	3.42E-07	5.83E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.83E-07	0.00E+00	0.00E+00	9.25E-07	5.15E-08	1.02E-07	0.00E+00	0.00E+00	1.53E-07
11661	500307.9	3734235.82	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
11662	500299.02	3734239.48	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.24E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
11663	500290.14	3734243.14	3.51E-07	5.98E-07	0.00E+00	0.00E+00	9.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-07	5.98E-07	0.00E+00	0.00E+00	9.49E-07	5.29E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
11664	500281.26	3734246.8	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	6.03E-07	0.00E+00	0.00E+00	9.57E-07	5.33E-08	1.05E-07	0.00E+00	0.00E+00	1.58E-07
11665	500272.38	3734250.46	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	6.08E-07	0.00E+00	0.00E+00	9.64E-07	5.37E-08	1.06E-07	0.00E+00	0.00E+00	1.60E-07
11666	500263.5	3734254.12	3.6E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	6.12E-07	0.00E+00	0.00E+00	9.72E-07	5.41E-08	1.07E-07	0.00E+00	0.00E+00	1.61E-07
11667	500254.62	3734257.78	3.62E-07	6.17E-07	0.00E+00	0.00E+00	9.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	6.17E-07	0.00E+00	0.00E+00	9.79E-07	5.45E-08	1.07E-07	0.00E+00	0.00E+00	1.62E-07
11668	500245.74	3734261.44	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	6.21E-07	0.00E+00	0.00E+00	9.86E-07	5.49E-08	1.08E-07	0.00E+00	0.00E+00	1.63E-07
11669	500236.86	3734265.1	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	6.25E-07	0.00E+00	0.00E+00	9.92E-07	5.53E-08	1.09E-07	0.00E+00	0.00E+00	1.64E-07
11670	500227.98	3734268.76	3.7E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.29E-07	0.00E+00	0.00E+00	9.99E-07	5.56E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
11671	500219.1	3734272.42	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	6.33E-07	0.00E+00	0.00E+00	1.00E-06	5.60E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
11672	500933.92	3733544.16	9.8E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.38E-08
11673	500933.93	3733534.44	9.8E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.38E-08
11674	500933.94	3733524.71	9.8E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.38E-08
11675	500933.95	3733514.99	9.8E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.38E-08
11676	500933.96	3733505.26	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.38E-08
11677	500933.97	3733495.54	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.38E-08
11678	500933.98	3733485.81	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
11679	500933.99	3733476.09	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
11680	500934	3733466.37	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
11681	500934.01	3733456.64	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
11682	500934.02	3733446.92	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
11683	500934.07	3733398.29	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
11684	500934.08	3733388.57	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
11685	500934.09	3733378.85	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
11686	500934.1	3733369.12	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
11687	500934.11	3733359.4	9.94E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.44E-08
11688	500934.12	3733349.67	9.96E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-08	1.70E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.45E-08
11689	500934.13	3733339.95	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
11690	500934.14	3733330.22	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
11691	500934.15	3733320.5	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.49E-08
11692	500934.16	3733310.77	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
11693	500934.17	3733301.05	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
11694	500934.18	3733291.33	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
11695	500934.19	3733281.6	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.56E-08
11696	500934.2	3733271.88	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.58E-08

11697	500934.21	3733262.15	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
11698	500934.22	3733252.43	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
11699	500934.23	3733242.7	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
11700	500934.24	3733232.98	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.10E-08	0.00E+00	0.00E+00	4.67E-08
11701	500934.25	3733223.25	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
11702	500934.26	3733213.53	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
11703	500934.27	3733203.81	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
11704	500970.22	3733553.1	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
11705	500966.52	3733561.99	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
11706	500962.83	3733570.89	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.16E-08
11707	500959.13	3733579.79	9.37E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-08	1.60E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
11708	500955.43	3733588.68	9.46E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.23E-08
11709	500951.73	3733597.58	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
11710	500948.03	3733606.48	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.30E-08
11711	500944.33	3733615.37	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.65E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
11712	500940.64	3733624.27	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.38E-08
11713	500936.94	3733633.16	9.9E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.43E-08
11714	500933.24	3733642.06	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
11715	500929.54	3733650.96	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
11716	500925.84	3733659.85	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.55E-08
11717	500922.15	3733668.75	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
11718	500918.45	3733677.65	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.56E-08	3.08E-08	0.00E+00	0.00E+00	4.64E-08
11719	500914.75	3733686.54	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
11720	500911.05	3733695.44	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.74E-08
11721	500907.35	3733704.34	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
11722	500903.65	3733713.23	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
11723	500899.96	3733722.13	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.24E-08	0.00E+00	0.00E+00	4.88E-08
11724	500896.26	3733731.02	1.1E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
11725	500881.47	3733766.61	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.13E-08
11726	500877.77	3733775.51	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
11727	500874.07	3733784.4	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.23E-08
11728	500870.37	3733793.3	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.19E-07	1.78E-08	3.50E-08	0.00E+00	0.00E+00	5.28E-08
11729	500866.67	3733802.19	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
11730	500862.98	3733811.09	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.05E-07	0.00E+00	0.00E+00	3.26E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
11731	500859.28	3733819.99	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
11732	500855.58	3733828.88	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
11733	500851.88	3733837.78	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
11734	500848.18	3733846.68	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.73E-08	0.00E+00	0.00E+00	5.62E-08
11735	500844.48	3733855.57	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.67E-08
11736	500840.79	3733864.47	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
11737	500837.09	3733873.36	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
11738	500833.39	3733882.26	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.82E-08
11739	500829.69	3733891.16	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
11740	500825.99	3733900.05	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
11741	500822.3	3733908.95	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
11742	500818.6	3733917.85	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
11743	500814.9	3733926.74	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.12E-08
11744	500766.82	3734042.39	1.52E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	2.30E-08	4.52E-08	0.00E+00	0.00E+00	6.82E-08
11745	500763.12	3734051.29	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08
11746	500759.43	3734060.19	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.91E-08
11747	500755.73	3734069.08	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.62E-08	0.00E+00	0.00E+00	6.97E-08
11748	500752.03	3734077.98	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.66E-08	0.00E+00	0.00E+00	7.02E-08
11749	500748.33	3734086.87	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.07E-08
11750	500735.73	3734099.44	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.38E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.25E-08
11751	500726.82	3734103.11	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
11752	500717.91	3734106.79	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.54E-08
11753	500709	3734110.46	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.92E-07	0.00E+00	0.00E+00	4.64E-07	2.59E-08	5.09E-08	0.00E+00	0.00E+00	7.68E-08
11754	500700.1	3734114.13	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
11755	500691.19	3734117.8	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.04E-07	0.00E+00	0.00E+00	4.82E-07	2.68E-08	5.29E-08	0.00E+00	0.00E+00	7.97E-08
11756	500682.28	3734121.47	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.12E-08
11757	500673.38	3734125.14	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.28E-08
11758	500664.47	3734128.81	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.43E-08
11759	500655.56	3734132.49	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.58E-08
11760	500646.65	3734136.16	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
11761	500566.49	3734169.2	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
11762	500557.58	3734172.87	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.30E-07	3.51E-08	6.91E-08	0.00E+00	0.00E+00	1.04E-07
11763	500548.67	3734176.54	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.02E-07	0.00E+00	0.00E+00	6.38E-07	3.55E-08	7.00E-08	0.00E+00	0.00E+00	1.06E-07
11764	500539.77	3734180.21	2.4E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
11765	500530.86	3734183.88	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.15E-07	0.00E+00	0.00E+00	6.60E-07	3.67E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
11766	500521.95	3734187.56	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.35E-08	0.00E+00	0.00E+00	1.11E-07
11767	500513.04	3734191.23	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.28E-07	0.00E+00	0.00E+00	6.80E-07	3.79E-08	7.46E-08	0.00E+00	0.00E+00	1.12E-07
11768	500504.14	3734194.9	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
11769	500495.23	3734198.57	2.59E-07	4.41E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.41E-07	0.00E+00	0.00E+00	6.99E-07	3.90E-08	7.68E-08	0.00E+00	0.00E+00	1.16E-07
11770	500486.32	3734202.24	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	4.47E-07	0.00E+00	0.00E+00	7.09E-07	3.95E-08	7.78E-08	0.00E+00	0.00E+00	1.17E-07
11771	500477.41	3734205.91	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	4.01E-08	7.89E-08	0.00E+00	0.00E+00	1.19E-07
11772	500468.51	3734209.58	2.7E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.59E-07	0.00E+00	0.00E+00	7.29E-07	4.06E-08	8.00E-08	0.00E+00	0.00E+00	1.21E-07
11773	500459.6	3734213.26	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	4.65E-07	0.00E+00	0.00E+00	7.38E-07	4.11E-08	8.10E-08	0.00E+00	0.00E+00	1.22E-07
11774	500450.69	3734216.93	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.48E-07	4.17E-08	8.21E-08	0.00E+00	0.00E+00	1.24E-07
11775	500441.78	3734220.6	2.8E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	4.77E-07	0.00E+00	0.00E+00	7.57E-07	4.22E-08	8.31E-08	0.00E+00	0.00E+00	1.25E-07
11776	500432.88	3734224.27	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	4.27E-08	8.42E-08	0.00E+00	0.00E+00	1.27E-07
11777	500423.97	3734227.94	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.89E-07	0.00E+00	0.00E+00	7.76E-07	4.32E-08	8.52E-08	0.00E+00	0.00E+00	1.28E-07
11778	500415.06	3734231.61	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.85E-07	4.37E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
11779	500406.16	3734235.28	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	5.00E-07	0.00E+00	0.00E+00	7.94E-07	4.43E-08	8.72E-08	0.00E+00	0.00E+00	1.31E-07
11780	500397.25	3734238.96	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.48E-08	8.82E-08	0.00E+00	0.00E+00	1.33E-07
11781	500388.34	3734242.63	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	4.52E-08	8.91E-08	0.00E+00	0.00E+00	1.34E-07
11782	500379.43	3734246.3	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.17E-07	0.00E+00	0.00E+00	8.21E-07	4.57E-08	9.01E-08	0.00E+00	0.00E+00	1.36E-07
11783	500370.53	3734249.97	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	5.22E-07	0.00E+00	0.00E+00	8.29E-07	4.62E-08	9.10E-08	0.00E+00	0.00E+00	1.37E-07
11784	500361.62	3734253.64	3.1E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	5.28E-07	0.00E+00	0.00E+00	8.38E-07	4.67E-08	9.19E-08	0.00E+00	0.00E+00	1.39E-07
11785	500352.71	3734257.31	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.46E-07	4.71E-08	9.28E-08	0.00E+00	0.00E+00	1.40E-07
11786	500343.8	3734260.98	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	5.38E-07	0.00E+00	0.00E+00	8.54E-07	4.76E-08	9.37E-08	0.00E+00	0.00E+00	1.41E-07
11787	500334.9	3734264.66	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.43E-07	0.00E+00	0.00E+00	8.62E-07	4.80E-08	9.46E-08	0.00E+00	0.00E+00	1.43E-07
11788	500325.99	3734268.33	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.48E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.54E-08	0.00E+00	0.00E+00	1.44E-07
11789	500317.08	3734272	3.25E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.52E-07	0.00E+00	0.00E+00	8.77E-07	4.89E-08	9.62E-08	0.00E+00	0.00E+00	1.45E-07
11790	500308.17	3734275.67	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
11791	500299.27	3734279.34	3.3E-07	5.62E-07	0.00E+00	0.00E+00	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	5.62E-07	0.00E+00	0.00E+00	8.91E-07	4.97E-08	9.78E-08	0.00E+00	0.00E+00	1.48E-07
11792	500290.36	3734283.01	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	5.66E-07	0.00E+00	0.00E+00	8.98E-07	5.01E-08	9.86E-08	0.00E+00	0.00E+00	1.49E-07
11793	500281.45	3734286.68	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	5.70E-07	0.00E+00	0.00E+00	9.05E-07	5.04E-08	9.93E-08	0.00E+00	0.00E+00	1.50E-07
11794	500272.54	3734290.36	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	5.74E-07	0.00E+00	0.00E+00	9.12E-07	5.08E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
11795	500263.64	3734294.03	3.4E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	5.78E-07	0.00E+00	0.00E+00	9.18E-07	5.11E-08	1.01E-07	0.00E+00	0.00E+00	1.52E-07
11796	500254.73	3734297.7	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	5.82E-07	0.00E+00	0.00E+00	9.24E-07	5.15E-08	1.01E-07	0.00E+00	0.00E+00	1.53E-07
11797	500245.82	3734301.37	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	5.86E-07	0.00E+00	0.00E+00	9.30E-07	5.18E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
11798	500236.92	3734305.04	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	5.90E-07	0.00E+00	0.00E+00	9.36E-07	5.21E-08	1.03E-07	0.00E+00	0.00E+00	1.55E-07
11799	500228.01	3734308.71	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	5.93E-07	0.00E+00	0.00E+00	9.41E-07	5.25E-08	1.03E-07	0.00E+00	0.00E+00	1.56E-07
11800	500219.1	3734312.38	3.5E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	5.96E-07	0.00E+00	0.00E+00	9.47E-07	5.27E-08	1.04E-07	0.00E+00	0.00E+00	1.57E-07
11801	500973.92	3733544.2	9.06E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.69E-08	0.00E+00	0.00E+00	4.05E-08
11802	500973.93	3733534.48	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.69E-08	0.00E+00	0.00E+00	4.05E-08
11803	500973.94	3733524.75	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11804	500973.95	3733515.03	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11805	500973.96	3733505.3	9.03E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11806	500973.97	3733495.58	9.03E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11807	500973.98	3733485.86	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11808	500973.99	3733476.13	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.03E-08
11809	500974	3733466.41	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11810	500974.01	3733456.68	9.03E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11811	500974.06	3733408.06	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
11812	500974.07	3733398.34	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.06E-08
11813	500974.08	3733388.61	9.1E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.70E-08	0.00E+00	0.00E+00	4.07E-08
11814	500974.09	3733378.89	9.12E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-08	1.55E-07	0.00E+00	0.00E+00	2.46E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
11815	500974.1	3733369.16	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
11816	500974.11	3733359.44	9.16E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.10E-08
11817	500974.12	3733349.71	9.18E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.11E-08
11818	500974.13	3733339.99	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
11819	500974.14	3733330.26	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
11820	500974.15	3733320.54	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.75E-08	0.00E+00	0.00E+00	4.15E-08
11821	500974.16	3733310.82	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
11822	500974.17	3733301.09	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-08	1.59E-07	0.00E+00	0.00E+00	2.53E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.19E-08
11823	500974.18	3733291.37	9.4E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.20E-08
11824	500974.19	3733281.64	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-08	1.61E-07	0.00E+00	0.00E+00	2.55E-07	1.42E-08	2.80E-08	0.00E+00	0.00E+00	4.22E-08
11825	500974.2	3733271.92	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
11826	500974.21	3733262.19	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.26E-08

11827	500974.22	3733252.47	9.56E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.27E-08
11828	500974.23	3733242.74	9.6E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
11829	500974.24	3733233.02	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.32E-08
11830	500974.25	3733223.3	9.7E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
11831	500974.26	3733213.57	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
11832	500974.27	3733203.85	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.38E-08
11833	500999.09	3733579.93	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.88E-08
11834	500995.38	3733588.85	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
11835	500991.67	3733597.77	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.95E-08
11836	500987.96	3733606.69	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.99E-08
11837	500984.25	3733615.61	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.67E-08	0.00E+00	0.00E+00	4.02E-08
11838	500980.54	3733624.53	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
11839	500976.84	3733633.45	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-08	1.56E-07	0.00E+00	0.00E+00	2.47E-07	1.38E-08	2.71E-08	0.00E+00	0.00E+00	4.09E-08
11840	500973.13	3733642.37	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.13E-08
11841	500969.42	3733651.29	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.17E-08
11842	500965.71	3733660.21	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.21E-08
11843	500962	3733669.14	9.5E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.25E-08
11844	500958.29	3733678.06	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.29E-08
11845	500954.59	3733686.98	9.68E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.33E-08
11846	500950.88	3733695.9	9.77E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
11847	500947.17	3733704.82	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.48E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
11848	500943.46	3733713.74	9.96E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-08	1.69E-07	0.00E+00	0.00E+00	2.69E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.45E-08
11849	500939.75	3733722.66	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
11850	500936.04	3733731.58	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
11851	500921.21	3733767.26	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
11852	500917.5	3733776.19	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
11853	500913.79	3733785.11	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.83E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.81E-08
11854	500910.09	3733794.03	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
11855	500906.38	3733802.95	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
11856	500902.67	3733811.87	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.28E-08	0.00E+00	0.00E+00	4.95E-08
11857	500898.96	3733820.79	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	5.00E-08
11858	500895.25	3733829.71	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.04E-08
11859	500891.54	3733838.63	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.71E-08	3.38E-08	0.00E+00	0.00E+00	5.09E-08
11860	500887.84	3733847.55	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
11861	500884.13	3733856.47	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
11862	500880.42	3733865.39	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.17E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.24E-08
11863	500876.71	3733874.31	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
11864	500873	3733883.24	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
11865	500869.29	3733892.16	1.2E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.39E-08
11866	500865.59	3733901.08	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
11867	500861.88	3733910	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.31E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.48E-08
11868	500858.17	3733918.92	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
11869	500854.46	3733927.84	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.37E-07	1.88E-08	3.70E-08	0.00E+00	0.00E+00	5.58E-08
11870	500850.75	3733936.76	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.63E-08
11871	500847.04	3733945.68	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.44E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11872	500843.33	3733954.6	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.47E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
11873	500839.63	3733963.52	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.78E-08
11874	500835.92	3733972.44	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.53E-07	1.96E-08	3.87E-08	0.00E+00	0.00E+00	5.83E-08
11875	500832.21	3733981.36	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
11876	500828.5	3733990.29	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.93E-08
11877	500824.79	3733999.21	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.01E-08	3.97E-08	0.00E+00	0.00E+00	5.98E-08
11878	500821.08	3734008.13	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
11879	500817.38	3734017.05	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.03E-08	0.00E+00	0.00E+00	6.08E-08
11880	500795.13	3734070.57	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
11881	500791.42	3734079.49	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.44E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.42E-08
11882	500787.71	3734088.41	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.47E-08
11883	500784	3734097.34	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.93E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
11884	500780.29	3734106.26	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.96E-07	2.21E-08	4.35E-08	0.00E+00	0.00E+00	6.56E-08
11885	500776.58	3734115.18	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
11886	500763.94	3734127.78	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.77E-08
11887	500755.01	3734131.46	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.57E-08	0.00E+00	0.00E+00	6.89E-08
11888	500746.08	3734135.14	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.67E-07	0.00E+00	0.00E+00	4.24E-07	2.36E-08	4.66E-08	0.00E+00	0.00E+00	7.02E-08
11889	500665.69	3734168.28	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.79E-08	5.49E-08	0.00E+00	0.00E+00	8.28E-08
11890	500656.76	3734171.96	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.21E-07	0.00E+00	0.00E+00	5.09E-07	2.84E-08	5.59E-08	0.00E+00	0.00E+00	8.43E-08
11891	500647.83	3734175.64	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.69E-08	0.00E+00	0.00E+00	8.57E-08
11892	500638.9	3734179.32	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.94E-08	5.78E-08	0.00E+00	0.00E+00	8.72E-08
11893	500629.96	3734183	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	3.38E-07	0.00E+00	0.00E+00	5.36E-07	2.99E-08	5.88E-08	0.00E+00	0.00E+00	8.87E-08
11894	500621.03	3734186.68	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.43E-07	0.00E+00	0.00E+00	5.45E-07	3.04E-08	5.98E-08	0.00E+00	0.00E+00	9.02E-08
11895	500612.1	3734190.37	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.08E-08	0.00E+00	0.00E+00	9.17E-08
11896	500585.31	3734201.41	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
11897	500576.37	3734205.09	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.78E-08
11898	500567.44	3734208.77	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.59E-08	0.00E+00	0.00E+00	9.93E-08
11899	500558.51	3734212.45	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.39E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
11900	500549.58	3734216.14	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
11901	500540.65	3734219.82	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.89E-08	0.00E+00	0.00E+00	1.04E-07
11902	500531.71	3734223.5	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	3.55E-08	6.99E-08	0.00E+00	0.00E+00	1.05E-07
11903	500522.78	3734227.18	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
11904	500513.85	3734230.86	2.42E-07	4.13E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.13E-07	0.00E+00	0.00E+00	6.55E-07	3.65E-08	7.19E-08	0.00E+00	0.00E+00	1.08E-07
11905	500504.92	3734234.54	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	3.70E-08	7.29E-08	0.00E+00	0.00E+00	1.10E-07
11906	500495.99	3734238.23	2.5E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.75E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
11907	500487.05	3734241.91	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.31E-07	0.00E+00	0.00E+00	6.83E-07	3.81E-08	7.50E-08	0.00E+00	0.00E+00	1.13E-07
11908	500478.12	3734245.59	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	4.36E-07	0.00E+00	0.00E+00	6.92E-07	3.86E-08	7.60E-08	0.00E+00	0.00E+00	1.15E-07
11909	500469.19	3734249.27	2.59E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	4.42E-07	0.00E+00	0.00E+00	7.01E-07	3.91E-08	7.69E-08	0.00E+00	0.00E+00	1.16E-07
11910	500460.26	3734252.95	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	4.47E-07	0.00E+00	0.00E+00	7.10E-07	3.95E-08	7.79E-08	0.00E+00	0.00E+00	1.17E-07
11911	500451.33	3734256.63	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.52E-07	0.00E+00	0.00E+00	7.18E-07	4.00E-08	7.88E-08	0.00E+00	0.00E+00	1.19E-07
11912	500442.39	3734260.32	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
11913	500433.46	3734264	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.63E-07	0.00E+00	0.00E+00	7.35E-07	4.10E-08	8.07E-08	0.00E+00	0.00E+00	1.22E-07
11914	500424.53	3734267.68	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	4.68E-07	0.00E+00	0.00E+00	7.43E-07	4.14E-08	8.16E-08	0.00E+00	0.00E+00	1.23E-07
11915	500415.6	3734271.36	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	4.73E-07	0.00E+00	0.00E+00	7.51E-07	4.19E-08	8.25E-08	0.00E+00	0.00E+00	1.24E-07
11916	500406.67	3734275.04	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	4.78E-07	0.00E+00	0.00E+00	7.59E-07	4.23E-08	8.34E-08	0.00E+00	0.00E+00	1.26E-07
11917	500397.73	3734278.72	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	4.28E-08	8.42E-08	0.00E+00	0.00E+00	1.27E-07
11918	500388.8	3734282.4	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	4.88E-07	0.00E+00	0.00E+00	7.75E-07	4.32E-08	8.51E-08	0.00E+00	0.00E+00	1.28E-07
11919	500379.87	3734286.09	2.9E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	4.93E-07	0.00E+00	0.00E+00	7.83E-07	4.36E-08	8.59E-08	0.00E+00	0.00E+00	1.30E-07
11920	500370.94	3734289.77	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.98E-07	0.00E+00	0.00E+00	7.90E-07	4.40E-08	8.68E-08	0.00E+00	0.00E+00	1.31E-07
11921	500362.01	3734293.45	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.03E-07	0.00E+00	0.00E+00	7.98E-07	4.45E-08	8.76E-08	0.00E+00	0.00E+00	1.32E-07
11922	500353.07	3734297.13	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	5.07E-07	0.00E+00	0.00E+00	8.05E-07	4.49E-08	8.84E-08	0.00E+00	0.00E+00	1.33E-07
11923	500344.14	3734300.81	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	5.12E-07	0.00E+00	0.00E+00	8.12E-07	4.53E-08	8.92E-08	0.00E+00	0.00E+00	1.34E-07
11924	500335.21	3734304.49	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	5.16E-07	0.00E+00	0.00E+00	8.19E-07	4.56E-08	8.99E-08	0.00E+00	0.00E+00	1.36E-07
11925	500326.28	3734308.18	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	5.20E-07	0.00E+00	0.00E+00	8.26E-07	4.60E-08	9.07E-08	0.00E+00	0.00E+00	1.37E-07
11926	500317.35	3734311.86	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	5.25E-07	0.00E+00	0.00E+00	8.33E-07	4.64E-08	9.14E-08	0.00E+00	0.00E+00	1.38E-07
11927	500308.42	3734315.54	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-07	5.29E-07	0.00E+00	0.00E+00	8.39E-07	4.68E-08	9.21E-08	0.00E+00	0.00E+00	1.39E-07
11928	500299.48	3734319.22	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	5.33E-07	0.00E+00	0.00E+00	8.45E-07	4.71E-08	9.28E-08	0.00E+00	0.00E+00	1.40E-07
11929	500290.55	3734322.9	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	5.36E-07	0.00E+00	0.00E+00	8.52E-07	4.74E-08	9.35E-08	0.00E+00	0.00E+00	1.41E-07
11930	500281.62	3734326.58	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	5.40E-07	0.00E+00	0.00E+00	8.57E-07	4.78E-08	9.41E-08	0.00E+00	0.00E+00	1.42E-07
11931	500272.69	3734330.26	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	5.44E-07	0.00E+00	0.00E+00	8.63E-07	4.81E-08	9.47E-08	0.00E+00	0.00E+00	1.43E-07
11932	500263.76	3734333.95	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	5.47E-07	0.00E+00	0.00E+00	8.69E-07	4.84E-08	9.54E-08	0.00E+00	0.00E+00	1.44E-07
11933	500254.82	3734337.63	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	5.51E-07	0.00E+00	0.00E+00	8.74E-07	4.87E-08	9.60E-08	0.00E+00	0.00E+00	1.45E-07
11934	500245.89	3734341.31	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	5.54E-07	0.00E+00	0.00E+00	8.80E-07	4.90E-08	9.65E-08	0.00E+00	0.00E+00	1.46E-07
11935	500236.96	3734344.99	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.85E-07	4.93E-08	9.71E-08	0.00E+00	0.00E+00	1.46E-07
11936	500228.03	3734348.67	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	5.60E-07	0.00E+00	0.00E+00	8.89E-07	4.96E-08	9.76E-08	0.00E+00	0.00E+00	1.47E-07
11937	500219.1	3734352.35	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	5.63E-07	0.00E+00	0.00E+00	8.94E-07	4.98E-08	9.81E-08	0.00E+00	0.00E+00	1.48E-07
11938	501050.2	3733553.23	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.52E-08
11939	501046.48	3733562.17	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.55E-08
11940	501042.77	3733571.11	8.01E-08	1.36E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-08	1.36E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.58E-08
11941	501039.05	3733580.06	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.61E-08
11942	501035.33	3733589	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.64E-08
11943	501031.61	3733597.94	8.21E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.67E-08
11944	501027.9	3733606.89	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.70E-08
11945	501024.18	3733615.83	8.34E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	1.26E-08	2.47E-08	0.00E+00	0.00E+00	3.73E-08
11946	500994.44	3733687.38	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
11947	500990.72	3733696.32	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
11948	500987	3733705.26	9.12E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
11949	500983.28	3733714.21	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	1.57E-07	0.00E+00	0.00E+00	2.49E-07	1.39E-08	2.73E-08	0.00E+00	0.00E+00	4.12E-08
11950	500979.57	3733723.15	9.3E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-08	1.58E-07	0.00E+00	0.00E+00	2.51E-07	1.40E-08	2.76E-08	0.00E+00	0.00E+00	4.16E-08
11951	500975.85	3733732.09	9.38E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.41E-08	2.78E-08	0.00E+00	0.00E+00	4.20E-08
11952	500960.98	3733767.87	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
11953	500957.26	3733776.81	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-08	1.67E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
11954	500953.54	3733785.75	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
11955	500949.82	3733794.7	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
11956	500946.11	3733803.64	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.52E-08

11957	500942.39	3733812.58	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.56E-08
11958	500938.67	3733821.52	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.61E-08
11959	500934.95	3733830.47	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
11960	500931.24	3733839.41	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
11961	500927.52	3733848.35	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
11962	500923.8	3733857.3	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
11963	500920.08	3733866.24	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.91E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
11964	500916.37	3733875.18	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
11965	500912.65	3733884.13	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.91E-08
11966	500908.93	3733893.07	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.95E-08
11967	500905.21	3733902.01	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
11968	500901.49	3733910.96	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.04E-08
11969	500897.78	3733919.9	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.71E-08	3.38E-08	0.00E+00	0.00E+00	5.09E-08
11970	500894.06	3733928.84	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.40E-08	0.00E+00	0.00E+00	5.13E-08
11971	500890.34	3733937.79	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
11972	500886.62	3733946.73	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.22E-08
11973	500882.91	3733955.67	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.27E-08
11974	500879.19	3733964.62	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.02E-07	0.00E+00	0.00E+00	3.21E-07	1.79E-08	3.52E-08	0.00E+00	0.00E+00	5.31E-08
11975	500875.47	3733973.56	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.80E-08	3.56E-08	0.00E+00	0.00E+00	5.36E-08
11976	500871.75	3733982.5	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
11977	500868.04	3733991.45	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.29E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.45E-08
11978	500864.32	3734000.39	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
11979	500860.6	3734009.33	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.68E-08	0.00E+00	0.00E+00	5.54E-08
11980	500856.88	3734018.28	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
11981	500853.17	3734027.22	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.63E-08
11982	500849.45	3734036.16	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.77E-08	0.00E+00	0.00E+00	5.68E-08
11983	500845.73	3734045.11	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.72E-08
11984	500842.01	3734054.05	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
11985	500838.29	3734062.99	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.51E-07	1.96E-08	3.85E-08	0.00E+00	0.00E+00	5.81E-08
11986	500834.58	3734071.94	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.86E-08
11987	500830.86	3734080.88	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.91E-08	0.00E+00	0.00E+00	5.90E-08
11988	500827.14	3734089.82	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
11989	500823.42	3734098.77	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.97E-08	0.00E+00	0.00E+00	5.99E-08
11990	500819.71	3734107.71	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
11991	500765.3	3734167.19	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.44E-08	0.00E+00	0.00E+00	6.70E-08
11992	500756.35	3734170.88	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.12E-07	2.30E-08	4.52E-08	0.00E+00	0.00E+00	6.82E-08
11993	500747.39	3734174.57	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.64E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.61E-08	0.00E+00	0.00E+00	6.94E-08
11994	500738.44	3734178.26	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.07E-08
11995	500729.48	3734181.95	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.35E-07	2.42E-08	4.78E-08	0.00E+00	0.00E+00	7.20E-08
11996	500720.53	3734185.64	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.86E-08	0.00E+00	0.00E+00	7.33E-08
11997	500711.57	3734189.33	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
11998	500702.62	3734193.02	1.7E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.59E-07	2.56E-08	5.04E-08	0.00E+00	0.00E+00	7.59E-08
11999	500693.67	3734196.71	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
12000	500684.71	3734200.4	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	2.99E-07	0.00E+00	0.00E+00	4.75E-07	2.65E-08	5.21E-08	0.00E+00	0.00E+00	7.86E-08
12001	500675.76	3734204.1	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.30E-08	0.00E+00	0.00E+00	7.99E-08
12002	500666.8	3734207.79	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.09E-07	0.00E+00	0.00E+00	4.91E-07	2.74E-08	5.39E-08	0.00E+00	0.00E+00	8.13E-08
12003	500657.85	3734211.48	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	4.99E-07	2.78E-08	5.48E-08	0.00E+00	0.00E+00	8.26E-08
12004	500648.89	3734215.17	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.08E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
12005	500639.94	3734218.86	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.87E-08	5.66E-08	0.00E+00	0.00E+00	8.54E-08
12006	500630.98	3734222.55	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.24E-07	2.92E-08	5.75E-08	0.00E+00	0.00E+00	8.68E-08
12007	500622.03	3734226.24	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.81E-08
12008	500613.08	3734229.93	2E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.41E-07	0.00E+00	0.00E+00	5.41E-07	3.01E-08	5.94E-08	0.00E+00	0.00E+00	8.95E-08
12009	500586.21	3734241	2.1E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.37E-08
12010	500577.26	3734244.69	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.75E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
12011	500568.3	3734248.39	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.65E-08
12012	500559.35	3734252.08	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.49E-08	0.00E+00	0.00E+00	9.79E-08
12013	500550.4	3734255.77	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.00E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.93E-08
12014	500541.44	3734259.46	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.08E-07	3.39E-08	6.68E-08	0.00E+00	0.00E+00	1.01E-07
12015	500532.49	3734263.15	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
12016	500523.53	3734266.84	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.94E-07	0.00E+00	0.00E+00	6.25E-07	3.48E-08	6.86E-08	0.00E+00	0.00E+00	1.03E-07
12017	500514.58	3734270.53	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
12018	500505.62	3734274.22	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.04E-08	0.00E+00	0.00E+00	1.06E-07
12019	500496.67	3734277.91	2.4E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.09E-07	0.00E+00	0.00E+00	6.49E-07	3.62E-08	7.13E-08	0.00E+00	0.00E+00	1.07E-07
12020	500487.71	3734281.6	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.22E-08	0.00E+00	0.00E+00	1.09E-07
12021	500478.76	3734285.29	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.19E-07	0.00E+00	0.00E+00	6.65E-07	3.71E-08	7.30E-08	0.00E+00	0.00E+00	1.10E-07
12022	500469.81	3734288.98	2.5E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.25E-07	0.00E+00	0.00E+00	6.74E-07	3.76E-08	7.40E-08	0.00E+00	0.00E+00	1.12E-07
12023	500460.85	3734292.67	2.52E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	4.30E-07	0.00E+00	0.00E+00	6.82E-07	3.80E-08	7.49E-08	0.00E+00	0.00E+00	1.13E-07
12024	500451.9	3734296.37	2.55E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.35E-07	0.00E+00	0.00E+00	6.90E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
12025	500442.94	3734300.06	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.89E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
12026	500433.99	3734303.75	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	4.44E-07	0.00E+00	0.00E+00	7.05E-07	3.93E-08	7.74E-08	0.00E+00	0.00E+00	1.17E-07
12027	500425.03	3734307.44	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	4.49E-07	0.00E+00	0.00E+00	7.12E-07	3.97E-08	7.82E-08	0.00E+00	0.00E+00	1.18E-07
12028	500416.08	3734311.13	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	4.53E-07	0.00E+00	0.00E+00	7.19E-07	4.01E-08	7.90E-08	0.00E+00	0.00E+00	1.19E-07
12029	500407.13	3734314.82	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	4.58E-07	0.00E+00	0.00E+00	7.27E-07	4.05E-08	7.98E-08	0.00E+00	0.00E+00	1.20E-07
12030	500398.17	3734318.51	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	4.62E-07	0.00E+00	0.00E+00	7.34E-07	4.09E-08	8.05E-08	0.00E+00	0.00E+00	1.21E-07
12031	500389.22	3734322.2	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	4.67E-07	0.00E+00	0.00E+00	7.41E-07	4.13E-08	8.13E-08	0.00E+00	0.00E+00	1.23E-07
12032	500380.26	3734325.89	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	4.71E-07	0.00E+00	0.00E+00	7.47E-07	4.16E-08	8.20E-08	0.00E+00	0.00E+00	1.24E-07
12033	500371.31	3734329.58	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.75E-07	0.00E+00	0.00E+00	7.54E-07	4.20E-08	8.28E-08	0.00E+00	0.00E+00	1.25E-07
12034	500362.35	3734333.27	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	4.79E-07	0.00E+00	0.00E+00	7.61E-07	4.24E-08	8.35E-08	0.00E+00	0.00E+00	1.26E-07
12035	500353.4	3734336.96	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	4.83E-07	0.00E+00	0.00E+00	7.67E-07	4.27E-08	8.42E-08	0.00E+00	0.00E+00	1.27E-07
12036	500344.44	3734340.65	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	4.87E-07	0.00E+00	0.00E+00	7.73E-07	4.31E-08	8.49E-08	0.00E+00	0.00E+00	1.28E-07
12037	500335.49	3734344.35	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	4.91E-07	0.00E+00	0.00E+00	7.80E-07	4.34E-08	8.56E-08	0.00E+00	0.00E+00	1.29E-07
12038	500326.54	3734348.04	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.95E-07	0.00E+00	0.00E+00	7.86E-07	4.38E-08	8.62E-08	0.00E+00	0.00E+00	1.30E-07
12039	500317.58	3734351.73	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	4.99E-07	0.00E+00	0.00E+00	7.91E-07	4.41E-08	8.69E-08	0.00E+00	0.00E+00	1.31E-07
12040	500308.63	3734355.42	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	5.02E-07	0.00E+00	0.00E+00	7.97E-07	4.44E-08	8.75E-08	0.00E+00	0.00E+00	1.32E-07
12041	500299.67	3734359.11	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	5.06E-07	0.00E+00	0.00E+00	8.03E-07	4.47E-08	8.81E-08	0.00E+00	0.00E+00	1.33E-07
12042	501053.92	3733544.28	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
12043	501053.93	3733534.56	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
12044	501053.94	3733524.84	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
12045	501053.95	3733515.11	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
12046	501053.96	3733505.39	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.31E-08	0.00E+00	0.00E+00	3.49E-08
12047	501053.97	3733495.66	7.8E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.49E-08
12048	501054.02	3733447.04	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
12049	501054.03	3733437.32	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
12050	501054.04	3733427.59	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
12051	501054.05	3733417.87	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
12052	501054.06	3733408.14	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
12053	501054.07	3733398.42	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
12054	501054.08	3733388.69	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.33E-08	0.00E+00	0.00E+00	3.52E-08
12055	501054.09	3733378.97	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
12056	501054.1	3733369.24	7.9E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
12057	501054.11	3733359.52	7.92E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.54E-08
12058	501054.13	3733340.07	7.96E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
12059	501054.14	3733330.35	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
12060	501054.15	3733320.62	8E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.21E-08	2.37E-08	0.00E+00	0.00E+00	3.58E-08
12061	501054.16	3733310.9	8.03E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.59E-08
12062	501054.17	3733301.17	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
12063	501054.18	3733291.45	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.38E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.61E-08
12064	501054.19	3733281.72	8.11E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.63E-08
12065	501054.2	3733272	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.64E-08
12066	501054.21	3733262.28	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
12067	501054.22	3733252.55	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
12068	501054.23	3733242.83	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.45E-08	0.00E+00	0.00E+00	3.70E-08
12069	501054.24	3733233.1	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.41E-07	0.00E+00	0.00E+00	2.25E-07	1.25E-08	2.47E-08	0.00E+00	0.00E+00	3.72E-08
12070	501054.25	3733223.38	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.73E-08
12071	501054.26	3733213.65	8.39E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.75E-08
12072	501054.27	3733203.93	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.77E-08
12073	501090.19	3733553.29	7.33E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.18E-08	0.00E+00	0.00E+00	3.28E-08
12074	501086.47	3733562.25	7.39E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
12075	501082.74	3733571.22	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
12076	501079.01	3733580.18	7.5E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.35E-08
12077	501075.29	3733589.14	7.56E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.38E-08
12078	501071.56	3733598.11	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
12079	501067.84	3733607.07	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
12080	501064.11	3733616.04	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.46E-08
12081	501060.38	3733625	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
12082	501056.66	3733633.96	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.52E-08
12083	501052.93	3733642.93	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.35E-08	0.00E+00	0.00E+00	3.55E-08
12084	501049.21	3733651.89	8.01E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.21E-08	2.37E-08	0.00E+00	0.00E+00	3.58E-08
12085	501045.48	3733660.85	8.08E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.61E-08
12086	501041.75	3733669.82	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.39E-07	0.00E+00	0.00E+00	2.20E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.64E-08

12087	501038.03	3733678.78	8.22E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
12088	501034.3	3733687.75	8.3E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
12089	501030.57	3733696.71	8.37E-08	1.43E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-08	1.43E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
12090	501026.85	3733705.67	8.45E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-08	1.44E-07	0.00E+00	0.00E+00	2.28E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
12091	500997.04	3733777.38	9.08E-08	1.55E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-08	1.55E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
12092	500993.31	3733786.35	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-08	1.56E-07	0.00E+00	0.00E+00	2.48E-07	1.38E-08	2.72E-08	0.00E+00	0.00E+00	4.10E-08
12093	500989.59	3733795.31	9.25E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.14E-08
12094	500985.86	3733804.27	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
12095	500982.13	3733813.24	9.4E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.20E-08
12096	500978.41	3733822.2	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
12097	500974.68	3733831.17	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
12098	500970.95	3733840.13	9.67E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-08	1.65E-07	0.00E+00	0.00E+00	2.61E-07	1.46E-08	2.87E-08	0.00E+00	0.00E+00	4.32E-08
12099	500967.23	3733849.09	9.76E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.36E-08
12100	500963.5	3733858.06	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
12101	500959.78	3733867.02	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
12102	500956.05	3733875.98	1E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
12103	500952.32	3733884.95	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.73E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
12104	500948.6	3733893.91	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.55E-08
12105	500944.87	3733902.88	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.59E-08
12106	500941.15	3733911.84	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.08E-08	0.00E+00	0.00E+00	4.64E-08
12107	500937.42	3733920.8	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.10E-08	0.00E+00	0.00E+00	4.68E-08
12108	500933.69	3733929.77	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
12109	500929.97	3733938.73	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.77E-08
12110	500926.24	3733947.69	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.19E-08	0.00E+00	0.00E+00	4.80E-08
12111	500922.51	3733956.66	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
12112	500918.79	3733965.62	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
12113	500915.06	3733974.59	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.66E-08	3.26E-08	0.00E+00	0.00E+00	4.92E-08
12114	500911.34	3733983.55	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.96E-08
12115	500907.61	3733992.51	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
12116	500903.88	3734001.48	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.35E-08	0.00E+00	0.00E+00	5.05E-08
12117	500900.16	3734010.44	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
12118	500896.43	3734019.4	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
12119	500892.7	3734028.37	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.18E-08
12120	500888.98	3734037.33	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.22E-08
12121	500885.25	3734046.3	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
12122	500881.53	3734055.26	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.01E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
12123	500877.8	3734064.22	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
12124	500874.07	3734073.19	1.2E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.57E-08	0.00E+00	0.00E+00	5.38E-08
12125	500870.35	3734082.15	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
12126	500866.62	3734091.11	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
12127	500862.9	3734100.08	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
12128	500859.17	3734109.04	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.56E-08
12129	500855.44	3734118.01	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.60E-08
12130	500851.72	3734126.97	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.40E-07	1.90E-08	3.73E-08	0.00E+00	0.00E+00	5.63E-08
12131	500847.99	3734135.93	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.42E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.67E-08
12132	500833.09	3734171.79	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.87E-08	0.00E+00	0.00E+00	5.83E-08
12133	500820.38	3734184.45	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.27E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.96E-08	0.00E+00	0.00E+00	5.97E-08
12134	500811.41	3734188.15	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	2.05E-08	4.03E-08	0.00E+00	0.00E+00	6.08E-08
12135	500802.43	3734191.85	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.10E-08	0.00E+00	0.00E+00	6.18E-08
12136	500793.46	3734195.55	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.40E-07	0.00E+00	0.00E+00	3.80E-07	2.12E-08	4.17E-08	0.00E+00	0.00E+00	6.29E-08
12137	500784.48	3734199.25	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	2.44E-07	0.00E+00	0.00E+00	3.87E-07	2.16E-08	4.25E-08	0.00E+00	0.00E+00	6.40E-08
12138	500775.51	3734202.95	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.51E-08
12139	500766.54	3734206.65	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
12140	500757.56	3734210.35	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
12141	500748.59	3734214.04	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.55E-08	0.00E+00	0.00E+00	6.86E-08
12142	500739.61	3734217.74	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.21E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.97E-08
12143	500730.64	3734221.44	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.70E-07	0.00E+00	0.00E+00	4.29E-07	2.39E-08	4.70E-08	0.00E+00	0.00E+00	7.09E-08
12144	500721.66	3734225.14	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
12145	500712.69	3734228.84	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.79E-07	0.00E+00	0.00E+00	4.43E-07	2.47E-08	4.87E-08	0.00E+00	0.00E+00	7.33E-08
12146	500703.71	3734232.54	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.95E-08	0.00E+00	0.00E+00	7.46E-08
12147	500694.74	3734236.24	1.7E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.89E-07	0.00E+00	0.00E+00	4.58E-07	2.55E-08	5.03E-08	0.00E+00	0.00E+00	7.58E-08
12148	500685.76	3734239.94	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	2.59E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
12149	500676.79	3734243.64	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
12150	500667.81	3734247.34	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
12151	500658.84	3734251.04	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.89E-07	2.72E-08	5.37E-08	0.00E+00	0.00E+00	8.09E-08
12152	500649.86	3734254.74	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
12153	500640.89	3734258.44	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.18E-07	0.00E+00	0.00E+00	5.04E-07	2.81E-08	5.54E-08	0.00E+00	0.00E+00	8.35E-08
12154	500631.91	3734262.13	1.9E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.48E-08
12155	500622.94	3734265.83	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
12156	500613.96	3734269.53	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.79E-08	0.00E+00	0.00E+00	8.73E-08
12157	500587.04	3734280.63	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.47E-07	0.00E+00	0.00E+00	5.51E-07	3.07E-08	6.05E-08	0.00E+00	0.00E+00	9.12E-08
12158	500578.06	3734284.33	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.25E-08
12159	500569.09	3734288.03	2.1E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.66E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.37E-08
12160	500560.11	3734291.73	2.12E-07	3.62E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.62E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.30E-08	0.00E+00	0.00E+00	9.50E-08
12161	500551.14	3734295.43	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.63E-08
12162	500542.16	3734299.13	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.47E-08	0.00E+00	0.00E+00	9.75E-08
12163	500533.19	3734302.83	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	3.33E-08	6.55E-08	0.00E+00	0.00E+00	9.88E-08
12164	500524.21	3734306.53	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
12165	500515.24	3734310.23	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
12166	500506.26	3734313.92	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.19E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
12167	500497.29	3734317.62	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
12168	500488.31	3734321.32	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
12169	500479.34	3734325.02	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.03E-08	0.00E+00	0.00E+00	1.06E-07
12170	500470.36	3734328.72	2.4E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	4.08E-07	0.00E+00	0.00E+00	6.48E-07	3.61E-08	7.11E-08	0.00E+00	0.00E+00	1.07E-07
12171	500461.39	3734332.42	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.55E-07	3.65E-08	7.19E-08	0.00E+00	0.00E+00	1.08E-07
12172	500452.41	3734336.12	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.17E-07	0.00E+00	0.00E+00	6.62E-07	3.69E-08	7.26E-08	0.00E+00	0.00E+00	1.09E-07
12173	500443.44	3734339.82	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.68E-07	3.72E-08	7.33E-08	0.00E+00	0.00E+00	1.11E-07
12174	500434.46	3734343.52	2.5E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	4.26E-07	0.00E+00	0.00E+00	6.76E-07	3.77E-08	7.42E-08	0.00E+00	0.00E+00	1.12E-07
12175	500425.49	3734347.22	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	4.30E-07	0.00E+00	0.00E+00	6.83E-07	3.80E-08	7.49E-08	0.00E+00	0.00E+00	1.13E-07
12176	500416.51	3734350.92	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	4.34E-07	0.00E+00	0.00E+00	6.89E-07	3.84E-08	7.57E-08	0.00E+00	0.00E+00	1.14E-07
12177	500407.54	3734354.62	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	4.38E-07	0.00E+00	0.00E+00	6.96E-07	3.88E-08	7.64E-08	0.00E+00	0.00E+00	1.15E-07
12178	500398.56	3734358.32	2.6E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	4.42E-07	0.00E+00	0.00E+00	7.02E-07	3.91E-08	7.71E-08	0.00E+00	0.00E+00	1.16E-07
12179	501093.92	3733544.33	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
12180	501093.93	3733534.6	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
12181	501093.94	3733524.88	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
12182	501093.95	3733515.15	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
12183	501093.96	3733505.43	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
12184	501094	3733466.53	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
12185	501094.01	3733456.81	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
12186	501094.02	3733447.08	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.09E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
12187	501094.03	3733437.36	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
12188	501094.04	3733427.63	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08
12189	501094.05	3733417.91	7.3E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.26E-08
12190	501094.06	3733408.18	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
12191	501094.07	3733398.46	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.28E-08
12192	501094.08	3733388.73	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
12193	501094.09	3733379.01	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
12194	501094.1	3733369.29	7.38E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
12195	501094.11	3733359.56	7.4E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.20E-08	0.00E+00	0.00E+00	3.31E-08
12196	501094.13	3733340.11	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
12197	501094.14	3733330.39	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
12198	501094.15	3733320.66	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.34E-08
12199	501094.16	3733310.94	7.5E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.35E-08
12200	501094.17	3733301.21	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.37E-08
12201	501094.19	3733281.77	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
12202	501094.2	3733272.04	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
12203	501094.21	3733262.32	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.41E-08
12204	501094.22	3733252.59	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.43E-08
12205	501094.23	3733242.87	7.7E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
12206	501094.25	3733223.42	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.47E-08
12207	501094.26	3733213.69	7.8E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.49E-08
12208	501094.27	3733203.97	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
12209	501125.92	3733553.3	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
12210	501122.2	3733562.25	6.96E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.11E-08
12211	501118.48	3733571.19	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
12212	501114.77	3733580.13	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
12213	501111.05	3733589.07	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.18E-08
12214	501107.33	3733598.01	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
12215	501103.61	3733606.95	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
12216	501099.9	3733615.9	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.16E-08	0.00E+00	0.00E+00	3.26E-08

12217	501096.18	3733624.84	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.28E-08
12218	501092.46	3733633.78	7.4E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.11E-08	2.20E-08	0.00E+00	0.00E+00	3.31E-08
12219	501088.75	3733642.72	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
12220	501085.03	3733651.66	7.52E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.36E-08
12221	501081.31	3733660.6	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
12222	501077.6	3733669.55	7.65E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
12223	501073.88	3733678.49	7.71E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.45E-08
12224	501070.16	3733687.43	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
12225	501066.44	3733696.37	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
12226	501062.73	3733705.31	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.54E-08
12227	501059.01	3733714.25	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
12228	501055.29	3733723.19	8.05E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
12229	501051.58	3733732.14	8.12E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.63E-08
12230	500995.82	3733866.26	9.25E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-08	1.57E-07	0.00E+00	0.00E+00	2.50E-07	1.39E-08	2.74E-08	0.00E+00	0.00E+00	4.14E-08
12231	500992.1	3733875.2	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	1.59E-07	0.00E+00	0.00E+00	2.52E-07	1.40E-08	2.77E-08	0.00E+00	0.00E+00	4.17E-08
12232	500988.39	3733884.14	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.42E-08	2.79E-08	0.00E+00	0.00E+00	4.21E-08
12233	500984.67	3733893.09	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-08	1.62E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
12234	500980.95	3733902.03	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
12235	500977.24	3733910.97	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.32E-08
12236	500973.52	3733919.91	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.47E-08	2.89E-08	0.00E+00	0.00E+00	4.35E-08
12237	500969.8	3733928.85	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.48E-08	2.91E-08	0.00E+00	0.00E+00	4.39E-08
12238	500966.09	3733937.79	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.42E-08
12239	500962.37	3733946.74	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.46E-08
12240	500958.65	3733955.68	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
12241	500954.93	3733964.62	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
12242	500951.22	3733973.56	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
12243	500947.5	3733982.5	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
12244	500943.78	3733991.44	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.56E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
12245	500940.07	3734000.39	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.68E-08
12246	500936.35	3734009.33	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
12247	500932.63	3734018.27	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
12248	500928.92	3734027.21	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.62E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
12249	500925.2	3734036.15	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.21E-08	0.00E+00	0.00E+00	4.84E-08
12250	500921.48	3734045.09	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.95E-07	1.64E-08	3.23E-08	0.00E+00	0.00E+00	4.87E-08
12251	500917.76	3734054.04	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.65E-08	3.26E-08	0.00E+00	0.00E+00	4.91E-08
12252	500914.05	3734062.98	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.88E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.28E-08	0.00E+00	0.00E+00	4.95E-08
12253	500910.33	3734071.92	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.99E-08
12254	500906.61	3734080.86	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.33E-08	0.00E+00	0.00E+00	5.03E-08
12255	500902.9	3734089.8	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.06E-08
12256	500899.18	3734098.74	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
12257	500895.46	3734107.69	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
12258	500891.75	3734116.63	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
12259	500888.03	3734125.57	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.22E-08
12260	500884.31	3734134.51	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
12261	500869.44	3734170.28	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.26E-07	1.82E-08	3.58E-08	0.00E+00	0.00E+00	5.40E-08
12262	500865.73	3734179.22	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.44E-08
12263	500862.01	3734188.16	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.31E-07	1.84E-08	3.63E-08	0.00E+00	0.00E+00	5.47E-08
12264	500858.29	3734197.1	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.33E-07	1.86E-08	3.65E-08	0.00E+00	0.00E+00	5.51E-08
12265	500845.62	3734209.73	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.75E-08	0.00E+00	0.00E+00	5.65E-08
12266	500836.67	3734213.42	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.75E-08
12267	500827.72	3734217.11	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.89E-08	0.00E+00	0.00E+00	5.86E-08
12268	500818.76	3734220.8	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
12269	500809.81	3734224.49	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.66E-07	2.04E-08	4.02E-08	0.00E+00	0.00E+00	6.06E-08
12270	500800.86	3734228.18	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.72E-07	2.07E-08	4.09E-08	0.00E+00	0.00E+00	6.16E-08
12271	500791.91	3734231.87	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.27E-08
12272	500782.95	3734235.56	1.42E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.43E-07	0.00E+00	0.00E+00	3.85E-07	2.15E-08	4.23E-08	0.00E+00	0.00E+00	6.37E-08
12273	500774	3734239.25	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.47E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.30E-08	0.00E+00	0.00E+00	6.48E-08
12274	500765.05	3734242.94	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.51E-07	0.00E+00	0.00E+00	3.98E-07	2.22E-08	4.37E-08	0.00E+00	0.00E+00	6.59E-08
12275	500756.09	3734246.63	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.25E-08	4.44E-08	0.00E+00	0.00E+00	6.70E-08
12276	500747.14	3734250.32	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.81E-08
12277	500738.19	3734254.01	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.59E-08	0.00E+00	0.00E+00	6.92E-08
12278	500729.24	3734257.7	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.25E-07	2.37E-08	4.66E-08	0.00E+00	0.00E+00	7.03E-08
12279	500720.28	3734261.39	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.41E-08	4.74E-08	0.00E+00	0.00E+00	7.14E-08
12280	500711.33	3734265.09	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	2.44E-08	4.81E-08	0.00E+00	0.00E+00	7.26E-08
12281	500702.38	3734268.78	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
12282	500693.43	3734272.47	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	2.52E-08	4.97E-08	0.00E+00	0.00E+00	7.49E-08
12283	500684.47	3734276.16	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
12284	500675.52	3734279.85	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.67E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
12285	500666.57	3734283.54	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.99E-07	0.00E+00	0.00E+00	4.74E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.84E-08
12286	500657.61	3734287.23	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.03E-07	0.00E+00	0.00E+00	4.81E-07	2.68E-08	5.28E-08	0.00E+00	0.00E+00	7.96E-08
12287	500648.66	3734290.92	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	3.08E-07	0.00E+00	0.00E+00	4.88E-07	2.72E-08	5.36E-08	0.00E+00	0.00E+00	8.08E-08
12288	500639.71	3734294.61	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.20E-08
12289	500630.76	3734298.3	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.03E-07	2.80E-08	5.52E-08	0.00E+00	0.00E+00	8.32E-08
12290	500621.8	3734301.99	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.21E-07	0.00E+00	0.00E+00	5.10E-07	2.84E-08	5.60E-08	0.00E+00	0.00E+00	8.44E-08
12291	500612.85	3734305.68	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.26E-07	0.00E+00	0.00E+00	5.17E-07	2.88E-08	5.68E-08	0.00E+00	0.00E+00	8.56E-08
12292	500585.99	3734316.75	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.92E-08
12293	500577.04	3734320.44	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.03E-08
12294	500568.09	3734324.13	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.48E-07	0.00E+00	0.00E+00	5.53E-07	3.08E-08	6.07E-08	0.00E+00	0.00E+00	9.15E-08
12295	500559.13	3734327.82	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
12296	500550.18	3734331.51	2.1E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.38E-08
12297	500541.23	3734335.2	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.30E-08	0.00E+00	0.00E+00	9.50E-08
12298	500532.28	3734338.89	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.81E-07	3.24E-08	6.37E-08	0.00E+00	0.00E+00	9.61E-08
12299	500523.32	3734342.58	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.72E-08
12300	500514.37	3734346.27	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
12301	500505.42	3734349.96	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.59E-08	0.00E+00	0.00E+00	9.94E-08
12302	500496.46	3734353.65	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.83E-07	0.00E+00	0.00E+00	6.07E-07	3.38E-08	6.67E-08	0.00E+00	0.00E+00	1.01E-07
12303	500487.51	3734357.34	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
12304	500478.56	3734361.03	2.3E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
12305	500469.61	3734364.72	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.95E-07	0.00E+00	0.00E+00	6.27E-07	3.49E-08	6.88E-08	0.00E+00	0.00E+00	1.04E-07
12306	500460.65	3734368.41	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.99E-07	0.00E+00	0.00E+00	6.33E-07	3.53E-08	6.95E-08	0.00E+00	0.00E+00	1.05E-07
12307	500451.7	3734372.1	2.36E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
12308	500442.75	3734375.79	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.06E-07	0.00E+00	0.00E+00	6.45E-07	3.59E-08	7.08E-08	0.00E+00	0.00E+00	1.07E-07
12309	500433.8	3734379.48	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	4.10E-07	0.00E+00	0.00E+00	6.51E-07	3.63E-08	7.15E-08	0.00E+00	0.00E+00	1.08E-07
12310	500424.84	3734383.17	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	4.14E-07	0.00E+00	0.00E+00	6.57E-07	3.66E-08	7.21E-08	0.00E+00	0.00E+00	1.09E-07
12311	500415.89	3734386.86	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	4.18E-07	0.00E+00	0.00E+00	6.63E-07	3.69E-08	7.27E-08	0.00E+00	0.00E+00	1.10E-07
12312	500406.94	3734390.55	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.22E-07	0.00E+00	0.00E+00	6.70E-07	3.73E-08	7.36E-08	0.00E+00	0.00E+00	1.11E-07
12313	501129.63	3733544.36	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
12314	501129.64	3733534.64	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.07E-08
12315	501129.65	3733524.91	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.07E-08
12316	501129.7	3733476.29	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
12317	501129.71	3733466.57	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
12318	501129.72	3733456.84	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
12319	501129.73	3733447.12	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
12320	501129.74	3733437.39	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.07E-08
12321	501129.75	3733427.67	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
12322	501129.76	3733417.94	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
12323	501129.77	3733408.22	6.88E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
12324	501129.78	3733398.5	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
12325	501129.79	3733388.77	6.9E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
12326	501129.8	3733379.05	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
12327	501129.81	3733369.32	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
12328	501129.82	3733359.6	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.11E-08
12329	501129.84	3733340.15	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
12330	501129.85	3733330.42	7.04E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.15E-08
12331	501129.86	3733320.7	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.16E-08
12332	501129.87	3733310.98	7.08E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
12333	501129.88	3733301.25	7.1E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.17E-08
12334	501129.9	3733281.8	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.08E-08	2.12E-08	0.00E+00	0.00E+00	3.20E-08
12335	501129.91	3733272.08	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
12336	501129.92	3733262.35	7.2E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.08E-08	2.14E-08	0.00E+00	0.00E+00	3.22E-08
12337	501129.93	3733252.63	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
12338	501129.94	3733242.9	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
12339	501129.96	3733223.46	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
12340	501129.97	3733213.73	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
12341	501161.64	3733553.32	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.82E-09	1.93E-08	0.00E+00	0.00E+00	2.92E-08
12342	501157.93	3733562.24	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.88E-09	1.95E-08	0.00E+00	0.00E+00	2.93E-08
12343	501154.22	3733571.16	6.6E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.94E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
12344	501150.51	3733580.08	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
12345	501146.81	3733589.01	6.71E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
12346	501143.1	3733597.93	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.02E-08

12347	501139.39	3733606.85	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
12348	501135.68	3733615.77	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
12349	501131.97	3733624.69	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
12350	501128.26	3733633.61	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
12351	501124.55	3733642.53	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
12352	501120.85	3733651.45	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.17E-08
12353	501117.14	3733660.38	7.14E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.08E-08	2.12E-08	0.00E+00	0.00E+00	3.19E-08
12354	501113.43	3733669.3	7.2E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.08E-08	2.14E-08	0.00E+00	0.00E+00	3.22E-08
12355	501109.72	3733678.22	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
12356	501106.01	3733687.14	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
12357	501102.3	3733696.06	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
12358	501098.59	3733704.98	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.33E-08
12359	501094.89	3733713.9	7.5E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.35E-08
12360	501091.18	3733722.82	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.38E-08
12361	501087.47	3733731.75	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
12362	500994.76	3733954.78	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-08	1.60E-07	0.00E+00	0.00E+00	2.54E-07	1.41E-08	2.79E-08	0.00E+00	0.00E+00	4.20E-08
12363	500991.05	3733963.7	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.23E-08
12364	500987.34	3733972.62	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
12365	500983.63	3733981.54	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.30E-08
12366	500979.92	3733990.46	9.7E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
12367	500976.21	3733999.38	9.77E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-08	1.66E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
12368	500972.5	3734008.3	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.40E-08
12369	500968.8	3734017.22	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
12370	500965.09	3734026.15	1E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
12371	500961.38	3734035.07	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
12372	500957.67	3734043.99	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
12373	500953.96	3734052.91	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.77E-07	1.54E-08	3.04E-08	0.00E+00	0.00E+00	4.58E-08
12374	500950.25	3734061.83	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.55E-08	3.06E-08	0.00E+00	0.00E+00	4.61E-08
12375	500946.54	3734070.75	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.77E-07	0.00E+00	0.00E+00	2.81E-07	1.57E-08	3.08E-08	0.00E+00	0.00E+00	4.65E-08
12376	500942.84	3734079.67	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.78E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.68E-08
12377	500939.13	3734088.59	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
12378	500935.42	3734097.52	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
12379	500931.71	3734106.44	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.79E-08
12380	500928	3734115.36	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.62E-08	3.20E-08	0.00E+00	0.00E+00	4.82E-08
12381	500924.29	3734124.28	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
12382	500920.58	3734133.2	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.89E-08
12383	500905.75	3734168.89	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.04E-07	1.69E-08	3.34E-08	0.00E+00	0.00E+00	5.03E-08
12384	500902.04	3734177.81	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
12385	500898.33	3734186.73	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
12386	500894.63	3734195.65	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.95E-07	0.00E+00	0.00E+00	3.10E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
12387	500890.92	3734204.57	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
12388	500887.21	3734213.49	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.45E-08	0.00E+00	0.00E+00	5.20E-08
12389	500883.5	3734222.41	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.16E-07	1.76E-08	3.47E-08	0.00E+00	0.00E+00	5.24E-08
12390	500870.86	3734235.02	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.24E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.36E-08
12391	500861.93	3734238.7	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.29E-07	1.83E-08	3.61E-08	0.00E+00	0.00E+00	5.45E-08
12392	500852.99	3734242.38	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.35E-07	1.87E-08	3.67E-08	0.00E+00	0.00E+00	5.54E-08
12393	500844.06	3734246.06	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.64E-08
12394	500835.13	3734249.74	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.80E-08	0.00E+00	0.00E+00	5.73E-08
12395	500826.2	3734253.43	1.3E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.22E-07	0.00E+00	0.00E+00	3.52E-07	1.96E-08	3.86E-08	0.00E+00	0.00E+00	5.83E-08
12396	500817.26	3734257.11	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.58E-07	1.99E-08	3.93E-08	0.00E+00	0.00E+00	5.92E-08
12397	500808.33	3734260.79	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.63E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.01E-08
12398	500799.4	3734264.47	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
12399	500790.47	3734268.15	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.37E-07	0.00E+00	0.00E+00	3.76E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.22E-08
12400	500781.54	3734271.83	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	2.41E-07	0.00E+00	0.00E+00	3.82E-07	2.13E-08	4.19E-08	0.00E+00	0.00E+00	6.32E-08
12401	500772.6	3734275.52	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.88E-07	2.16E-08	4.26E-08	0.00E+00	0.00E+00	6.43E-08
12402	500763.67	3734279.2	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.33E-08	0.00E+00	0.00E+00	6.53E-08
12403	500754.74	3734282.88	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
12404	500745.81	3734286.56	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.07E-07	2.27E-08	4.47E-08	0.00E+00	0.00E+00	6.74E-08
12405	500736.87	3734290.24	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.61E-07	0.00E+00	0.00E+00	4.14E-07	2.31E-08	4.54E-08	0.00E+00	0.00E+00	6.85E-08
12406	500727.94	3734293.92	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.61E-08	0.00E+00	0.00E+00	6.96E-08
12407	500719.01	3734297.61	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.06E-08
12408	500710.08	3734301.29	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.76E-08	0.00E+00	0.00E+00	7.17E-08
12409	500701.14	3734304.97	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.28E-08
12410	500692.21	3734308.65	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.47E-07	2.49E-08	4.90E-08	0.00E+00	0.00E+00	7.39E-08
12411	500683.28	3734312.33	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.85E-07	0.00E+00	0.00E+00	4.53E-07	2.52E-08	4.97E-08	0.00E+00	0.00E+00	7.50E-08
12412	500674.35	3734316.01	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.61E-08
12413	500665.41	3734319.7	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.94E-07	0.00E+00	0.00E+00	4.66E-07	2.60E-08	5.12E-08	0.00E+00	0.00E+00	7.72E-08
12414	500656.48	3734323.38	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.19E-08	0.00E+00	0.00E+00	7.83E-08
12415	500647.55	3734327.06	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	3.02E-07	0.00E+00	0.00E+00	4.80E-07	2.67E-08	5.27E-08	0.00E+00	0.00E+00	7.94E-08
12416	500638.62	3734330.74	1.8E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
12417	500629.69	3734334.42	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.11E-07	0.00E+00	0.00E+00	4.93E-07	2.75E-08	5.41E-08	0.00E+00	0.00E+00	8.16E-08
12418	500620.75	3734338.1	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	3.15E-07	0.00E+00	0.00E+00	5.00E-07	2.78E-08	5.49E-08	0.00E+00	0.00E+00	8.27E-08
12419	500611.82	3734341.79	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.38E-08
12420	500585.02	3734352.83	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.27E-07	2.93E-08	5.78E-08	0.00E+00	0.00E+00	8.71E-08
12421	500576.09	3734356.51	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.82E-08
12422	500567.16	3734360.19	2E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.39E-07	3.01E-08	5.92E-08	0.00E+00	0.00E+00	8.93E-08
12423	500558.23	3734363.88	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	3.04E-08	5.99E-08	0.00E+00	0.00E+00	9.03E-08
12424	500549.29	3734367.56	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.08E-08	6.06E-08	0.00E+00	0.00E+00	9.14E-08
12425	500540.36	3734371.24	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.24E-08
12426	500531.43	3734374.92	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.65E-07	3.15E-08	6.20E-08	0.00E+00	0.00E+00	9.35E-08
12427	500522.5	3734378.6	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
12428	500513.57	3734382.28	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.33E-08	0.00E+00	0.00E+00	9.55E-08
12429	500504.63	3734385.97	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.67E-07	0.00E+00	0.00E+00	5.83E-07	3.25E-08	6.40E-08	0.00E+00	0.00E+00	9.65E-08
12430	500495.7	3734389.65	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.89E-07	3.28E-08	6.47E-08	0.00E+00	0.00E+00	9.75E-08
12431	500486.77	3734393.33	2.2E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.75E-07	0.00E+00	0.00E+00	5.95E-07	3.31E-08	6.53E-08	0.00E+00	0.00E+00	9.84E-08
12432	500477.84	3734397.01	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	6.01E-07	3.35E-08	6.59E-08	0.00E+00	0.00E+00	9.94E-08
12433	500468.9	3734400.69	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.82E-07	0.00E+00	0.00E+00	6.06E-07	3.38E-08	6.66E-08	0.00E+00	0.00E+00	1.00E-07
12434	500459.97	3734404.38	2.26E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.86E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.72E-08	0.00E+00	0.00E+00	1.01E-07
12435	500451.04	3734408.06	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
12436	500442.11	3734411.74	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
12437	500433.17	3734415.42	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.28E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
12438	500424.24	3734419.1	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
12439	500415.31	3734422.78	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
12440	500406.38	3734426.47	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	4.07E-07	0.00E+00	0.00E+00	6.46E-07	3.60E-08	7.09E-08	0.00E+00	0.00E+00	1.07E-07
12441	501165.35	3733544.4	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.76E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
12442	501165.4	3733495.78	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.74E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
12443	501165.41	3733486.05	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.74E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
12444	501165.42	3733476.33	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.74E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
12445	501165.43	3733466.6	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.75E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
12446	501165.44	3733456.88	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.75E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
12447	501165.45	3733447.15	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.76E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
12448	501165.46	3733437.43	6.49E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.76E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
12449	501165.47	3733427.71	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	9.77E-09	1.93E-08	0.00E+00	0.00E+00	2.90E-08
12450	501165.48	3733417.98	6.5E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.78E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
12451	501165.49	3733408.26	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.80E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
12452	501165.5	3733398.53	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.81E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
12453	501165.51	3733388.81	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.83E-09	1.94E-08	0.00E+00	0.00E+00	2.92E-08
12454	501165.52	3733379.08	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.85E-09	1.94E-08	0.00E+00	0.00E+00	2.92E-08
12455	501165.53	3733369.36	6.55E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.87E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
12456	501165.54	3733359.63	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.89E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
12457	501165.56	3733340.19	6.6E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.94E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
12458	501165.57	3733330.46	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.96E-09	1.96E-08	0.00E+00	0.00E+00	2.96E-08
12459	501165.58	3733320.74	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
12460	501165.59	3733311.01	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.98E-08
12461	501165.6	3733301.29	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.98E-08
12462	501165.62	3733281.84	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.01E-08
12463	501165.63	3733272.11	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.02E-08	2.00E-08	0.00E+00	0.00E+00	3.02E-08
12464	501165.64	3733262.39	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.03E-08
12465	501165.65	3733252.67	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
12466	501165.66	3733242.94	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
12467	501165.69	3733213.77	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
12468	501165.7	3733204.04	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
12469	501197.36	3733553.34	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.27E-09	1.83E-08	0.00E+00	0.00E+00	2.75E-08
12470	501193.66	3733562.24	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.33E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
12471	501189.96	3733571.14	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.39E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
12472	501186.26	3733580.05	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.46E-09	1.86E-08	0.00E+00	0.00E+00	2.81E-08
12473	501182.56	3733588.95	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.53E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
12474	501178.86	3733597.85	6.38E-08	1.09E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-08	1.09E-07	0.00E+00	0.00E+00	1.72E-07	9.60E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
12475	501175.16	3733606.75	6.43E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-08	1.09E-07	0.00E+00	0.00E+00	1.74E-07	9.68E-09	1.91E-08	0.00E+00	0.00E+00	2.87E-08
12476	501171.46	3733615.65	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.75E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08

12477	501167.76	3733624.56	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.83E-09	1.94E-08	0.00E+00	0.00E+00	2.92E-08
12478	501164.06	3733633.46	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.91E-09	1.95E-08	0.00E+00	0.00E+00	2.94E-08
12479	501160.35	3733642.36	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.98E-09	1.97E-08	0.00E+00	0.00E+00	2.96E-08
12480	501156.65	3733651.26	6.67E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-08	1.14E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.98E-08	0.00E+00	0.00E+00	2.98E-08
12481	501152.95	3733660.17	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.14E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.01E-08
12482	501149.25	3733669.07	6.77E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.03E-08
12483	501145.55	3733677.97	6.83E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.05E-08
12484	501141.85	3733686.87	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
12485	501138.15	3733695.78	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.11E-08
12486	501134.45	3733704.68	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.08E-08	0.00E+00	0.00E+00	3.13E-08
12487	501130.75	3733713.58	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
12488	501127.05	3733722.48	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.19E-08
12489	501123.35	3733731.39	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
12490	501108.55	3733767	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
12491	501104.84	3733775.9	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.34E-08
12492	501101.14	3733784.8	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
12493	501097.44	3733793.7	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
12494	501093.74	3733802.6	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.43E-08
12495	501090.04	3733811.51	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.46E-08
12496	501086.34	3733820.41	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
12497	501082.64	3733829.31	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
12498	501027.13	3733962.85	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.95E-08
12499	501023.43	3733971.75	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
12500	501019.73	3733980.65	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.02E-08
12501	500993.82	3734042.97	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	1.61E-07	0.00E+00	0.00E+00	2.56E-07	1.43E-08	2.81E-08	0.00E+00	0.00E+00	4.24E-08
12502	500990.12	3734051.87	9.55E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-08	1.63E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.27E-08
12503	500986.42	3734060.77	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	1.64E-07	0.00E+00	0.00E+00	2.60E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.30E-08
12504	500982.72	3734069.68	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
12505	500979.02	3734078.58	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	1.67E-07	0.00E+00	0.00E+00	2.64E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.37E-08
12506	500975.32	3734087.48	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
12507	500971.62	3734096.38	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
12508	500967.92	3734105.29	1E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
12509	500964.22	3734114.19	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.50E-08
12510	500960.52	3734123.09	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.53E-08
12511	500956.82	3734131.99	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
12512	500953.12	3734140.9	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
12513	500938.31	3734176.51	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.86E-07	1.59E-08	3.14E-08	0.00E+00	0.00E+00	4.73E-08
12514	500934.61	3734185.41	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
12515	500930.91	3734194.31	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.83E-07	0.00E+00	0.00E+00	2.90E-07	1.61E-08	3.18E-08	0.00E+00	0.00E+00	4.80E-08
12516	500927.21	3734203.21	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
12517	500923.51	3734212.11	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.94E-07	1.64E-08	3.22E-08	0.00E+00	0.00E+00	4.86E-08
12518	500919.81	3734221.02	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.86E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.24E-08	0.00E+00	0.00E+00	4.89E-08
12519	500916.11	3734229.92	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.97E-07	1.66E-08	3.26E-08	0.00E+00	0.00E+00	4.92E-08
12520	500912.41	3734238.82	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	2.99E-07	1.67E-08	3.29E-08	0.00E+00	0.00E+00	4.95E-08
12521	500908.71	3734247.72	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.90E-07	0.00E+00	0.00E+00	3.01E-07	1.68E-08	3.31E-08	0.00E+00	0.00E+00	4.98E-08
12522	500896.09	3734260.3	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.08E-07	1.72E-08	3.38E-08	0.00E+00	0.00E+00	5.10E-08
12523	500887.18	3734263.97	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.13E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.18E-08
12524	500878.27	3734267.65	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
12525	500869.35	3734271.32	1.2E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.04E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.55E-08	0.00E+00	0.00E+00	5.35E-08
12526	500860.44	3734275	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.07E-07	0.00E+00	0.00E+00	3.28E-07	1.83E-08	3.60E-08	0.00E+00	0.00E+00	5.43E-08
12527	500851.53	3734278.67	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.10E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.66E-08	0.00E+00	0.00E+00	5.52E-08
12528	500842.61	3734282.34	1.25E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
12529	500833.7	3734286.02	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.45E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.70E-08
12530	500824.79	3734289.69	1.3E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.20E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.84E-08	0.00E+00	0.00E+00	5.79E-08
12531	500815.87	3734293.37	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.56E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
12532	500806.96	3734297.04	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.61E-07	2.01E-08	3.97E-08	0.00E+00	0.00E+00	5.98E-08
12533	500798.05	3734300.71	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.31E-07	0.00E+00	0.00E+00	3.67E-07	2.04E-08	4.03E-08	0.00E+00	0.00E+00	6.07E-08
12534	500789.13	3734304.39	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
12535	500780.22	3734308.06	1.4E-07	2.38E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.26E-08
12536	500771.31	3734311.74	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
12537	500762.39	3734315.41	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	2.46E-07	0.00E+00	0.00E+00	3.91E-07	2.18E-08	4.29E-08	0.00E+00	0.00E+00	6.46E-08
12538	500753.48	3734319.08	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	2.50E-07	0.00E+00	0.00E+00	3.97E-07	2.21E-08	4.36E-08	0.00E+00	0.00E+00	6.57E-08
12539	500744.56	3734322.76	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.67E-08
12540	500735.65	3734326.43	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.09E-07	2.28E-08	4.49E-08	0.00E+00	0.00E+00	6.78E-08
12541	500726.74	3734330.11	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
12542	500717.82	3734333.78	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
12543	500708.91	3734337.45	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.08E-08
12544	500700	3734341.13	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.73E-07	0.00E+00	0.00E+00	4.34E-07	2.42E-08	4.76E-08	0.00E+00	0.00E+00	7.18E-08
12545	500691.08	3734344.8	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.77E-07	0.00E+00	0.00E+00	4.40E-07	2.45E-08	4.83E-08	0.00E+00	0.00E+00	7.28E-08
12546	500628.69	3734370.52	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	3.04E-07	0.00E+00	0.00E+00	4.83E-07	2.69E-08	5.31E-08	0.00E+00	0.00E+00	8.00E-08
12547	500584.12	3734388.89	1.9E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.24E-07	0.00E+00	0.00E+00	5.14E-07	2.86E-08	5.64E-08	0.00E+00	0.00E+00	8.50E-08
12548	500575.21	3734392.56	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.60E-08
12549	500566.3	3734396.24	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
12550	500557.38	3734399.91	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.35E-07	0.00E+00	0.00E+00	5.32E-07	2.96E-08	5.84E-08	0.00E+00	0.00E+00	8.80E-08
12551	500548.47	3734403.58	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.38E-07	3.00E-08	5.90E-08	0.00E+00	0.00E+00	8.90E-08
12552	500539.56	3734407.26	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.03E-08	5.96E-08	0.00E+00	0.00E+00	8.99E-08
12553	500530.64	3734410.93	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
12554	500521.73	3734414.61	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.09E-08	0.00E+00	0.00E+00	9.18E-08
12555	500512.81	3734418.28	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.53E-07	0.00E+00	0.00E+00	5.60E-07	3.12E-08	6.15E-08	0.00E+00	0.00E+00	9.27E-08
12556	500503.9	3734421.95	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08
12557	500494.99	3734425.63	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
12558	500486.07	3734429.3	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.54E-08
12559	500477.16	3734432.98	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.63E-08
12560	500468.25	3734436.65	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.70E-07	0.00E+00	0.00E+00	5.87E-07	3.27E-08	6.44E-08	0.00E+00	0.00E+00	9.71E-08
12561	500459.33	3734440.32	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
12562	500450.42	3734444	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	3.33E-08	6.55E-08	0.00E+00	0.00E+00	9.88E-08
12563	500441.51	3734447.67	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.35E-08	6.61E-08	0.00E+00	0.00E+00	9.96E-08
12564	500432.59	3734451.34	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	3.38E-08	6.66E-08	0.00E+00	0.00E+00	1.00E-07
12565	500423.68	3734455.02	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
12566	500414.77	3734458.69	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
12567	500405.85	3734462.37	2.3E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.92E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
12568	501201.09	3733515.26	6.1E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
12569	501201.1	3733505.54	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
12570	501201.11	3733495.81	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.20E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
12571	501201.12	3733486.09	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.21E-09	1.81E-08	0.00E+00	0.00E+00	2.74E-08
12572	501201.13	3733476.36	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.21E-09	1.81E-08	0.00E+00	0.00E+00	2.74E-08
12573	501201.14	3733466.64	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.21E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
12574	501201.15	3733456.92	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.22E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
12575	501201.16	3733447.19	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	9.23E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
12576	501201.17	3733437.47	6.14E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-08	1.04E-07	0.00E+00	0.00E+00	1.66E-07	9.24E-09	1.82E-08	0.00E+00	0.00E+00	2.74E-08
12577	501201.18	3733427.74	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.26E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
12578	501201.19	3733418.02	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.27E-09	1.83E-08	0.00E+00	0.00E+00	2.75E-08
12579	501201.2	3733408.29	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.28E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
12580	501201.21	3733398.57	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.29E-09	1.83E-08	0.00E+00	0.00E+00	2.76E-08
12581	501201.22	3733388.84	6.18E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.31E-09	1.83E-08	0.00E+00	0.00E+00	2.77E-08
12582	501201.23	3733379.12	6.2E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.33E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
12583	501201.24	3733369.4	6.21E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.35E-09	1.84E-08	0.00E+00	0.00E+00	2.78E-08
12584	501201.25	3733359.67	6.22E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.37E-09	1.85E-08	0.00E+00	0.00E+00	2.78E-08
12585	501201.27	3733340.22	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.41E-09	1.85E-08	0.00E+00	0.00E+00	2.80E-08
12586	501201.28	3733330.5	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-08	1.07E-07	0.00E+00	0.00E+00	1.69E-07	9.44E-09	1.86E-08	0.00E+00	0.00E+00	2.80E-08
12587	501201.29	3733320.77	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.46E-09	1.86E-08	0.00E+00	0.00E+00	2.81E-08
12588	501201.3	3733311.05	6.3E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.49E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
12589	501201.31	3733301.32	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.52E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
12590	501201.32	3733291.6	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.55E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
12591	501201.33	3733281.88	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.58E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
12592	501201.34	3733272.15	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.62E-09	1.89E-08	0.00E+00	0.00E+00	2.86E-08
12593	501201.35	3733262.43	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.65E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
12594	501201.36	3733252.7	6.43E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.69E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
12595	501201.37	3733242.98	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.72E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
12596	501201.38	3733233.25	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.76E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
12597	501201.39	3733223.53	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.80E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
12598	501225.7	3733571.13	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.90E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
12599	501222	3733580.01	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.96E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
12600	501218.31	3733588.9	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.02E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08
12601	501214.62	3733597.78	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.03E-07	0.00E+00	0.00E+00	1.63E-07	9.08E-09	1.79E-08	0.00E+00	0.00E+00	2.70E-08
12602	501210.92	3733606.67	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.14E-09	1.80E-08	0.00E+00	0.00E+00	2.72E-08
12603	501207.23	3733615.55	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.21E-09	1.81E-08	0.00E+00	0.00E+00	2.74E-08
12604	501203.54	3733624.44	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.28E-09	1.83E-08	0.00E+00	0.00E+00	2.75E-08
12605	501199.84	3733633.32	6.21E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.34E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
12606	501196.15	3733642.21	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.41E-09	1.85E-08	0.00E+00	0.00E+00	2.80E-08

12607	501192.46	3733651.09	6.3E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.48E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
12608	501188.76	3733659.98	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.55E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
12609	501185.07	3733668.86	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.63E-09	1.90E-08	0.00E+00	0.00E+00	2.86E-08
12610	501181.38	3733677.75	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.70E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
12611	501177.68	3733686.63	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.11E-07	0.00E+00	0.00E+00	1.75E-07	9.78E-09	1.93E-08	0.00E+00	0.00E+00	2.90E-08
12612	501173.99	3733695.52	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.85E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
12613	501170.3	3733704.4	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.93E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
12614	501166.6	3733713.29	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
12615	501162.91	3733722.17	6.7E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
12616	501159.21	3733731.06	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.02E-08	2.00E-08	0.00E+00	0.00E+00	3.02E-08
12617	501155.52	3733739.94	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
12618	501144.44	3733766.59	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
12619	501140.75	3733775.48	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.14E-08
12620	501137.05	3733784.36	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.17E-08
12621	501133.36	3733793.25	7.14E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.12E-08	0.00E+00	0.00E+00	3.19E-08
12622	501129.67	3733802.13	7.2E-08	1.23E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.23E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.22E-08
12623	501125.97	3733811.02	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.25E-08
12624	501122.28	3733819.9	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
12625	501118.59	3733828.79	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.26E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.30E-08
12626	501114.89	3733837.67	7.43E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-08	1.27E-07	0.00E+00	0.00E+00	2.01E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
12627	501111.2	3733846.56	7.49E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.13E-08	2.22E-08	0.00E+00	0.00E+00	3.35E-08
12628	501107.51	3733855.44	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-08	1.28E-07	0.00E+00	0.00E+00	2.04E-07	1.14E-08	2.24E-08	0.00E+00	0.00E+00	3.37E-08
12629	501103.81	3733864.33	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-08	1.29E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.40E-08
12630	501100.12	3733873.21	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-08	1.30E-07	0.00E+00	0.00E+00	2.07E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.43E-08
12631	501096.43	3733882.1	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.46E-08
12632	501092.73	3733890.98	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
12633	501089.04	3733899.87	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
12634	501085.35	3733908.75	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
12635	501081.65	3733917.64	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
12636	501063.19	3733962.06	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.45E-08	0.00E+00	0.00E+00	3.70E-08
12637	501059.49	3733970.95	8.34E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-08	1.42E-07	0.00E+00	0.00E+00	2.25E-07	1.26E-08	2.47E-08	0.00E+00	0.00E+00	3.73E-08
12638	501055.8	3733979.83	8.4E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.26E-08	2.49E-08	0.00E+00	0.00E+00	3.76E-08
12639	501052.11	3733988.72	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.78E-08
12640	501048.41	3733997.6	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.53E-08	0.00E+00	0.00E+00	3.81E-08
12641	501044.72	3734006.49	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
12642	501041.03	3734015.37	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
12643	501037.33	3734024.26	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-08	1.48E-07	0.00E+00	0.00E+00	2.36E-07	1.31E-08	2.59E-08	0.00E+00	0.00E+00	3.90E-08
12644	501033.64	3734033.14	8.78E-08	1.50E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-08	1.50E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.93E-08
12645	501029.95	3734042.03	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.96E-08
12646	501026.25	3734050.91	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.99E-08
12647	501022.56	3734059.8	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
12648	501018.86	3734068.68	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.68E-08	0.00E+00	0.00E+00	4.04E-08
12649	500993.01	3734130.88	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-08	1.62E-07	0.00E+00	0.00E+00	2.57E-07	1.43E-08	2.82E-08	0.00E+00	0.00E+00	4.26E-08
12650	500989.32	3734139.76	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.29E-08
12651	500974.54	3734175.3	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
12652	500970.85	3734184.18	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.50E-08	2.95E-08	0.00E+00	0.00E+00	4.44E-08
12653	500967.16	3734193.07	1E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.47E-08
12654	500963.46	3734201.95	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.72E-07	1.52E-08	2.99E-08	0.00E+00	0.00E+00	4.51E-08
12655	500959.77	3734210.84	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.74E-07	1.53E-08	3.01E-08	0.00E+00	0.00E+00	4.54E-08
12656	500956.08	3734219.72	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.76E-07	1.54E-08	3.03E-08	0.00E+00	0.00E+00	4.57E-08
12657	500952.38	3734228.61	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.75E-07	0.00E+00	0.00E+00	2.78E-07	1.55E-08	3.05E-08	0.00E+00	0.00E+00	4.60E-08
12658	500948.69	3734237.49	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
12659	500945	3734246.38	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.78E-07	0.00E+00	0.00E+00	2.82E-07	1.57E-08	3.09E-08	0.00E+00	0.00E+00	4.66E-08
12660	500941.3	3734255.26	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
12661	500937.61	3734264.15	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.80E-07	0.00E+00	0.00E+00	2.85E-07	1.59E-08	3.13E-08	0.00E+00	0.00E+00	4.72E-08
12662	500933.92	3734273.03	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.87E-07	1.60E-08	3.15E-08	0.00E+00	0.00E+00	4.75E-08
12663	500921.33	3734285.58	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
12664	500912.43	3734289.25	1.1E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
12665	500903.54	3734292.92	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.91E-07	0.00E+00	0.00E+00	3.03E-07	1.69E-08	3.32E-08	0.00E+00	0.00E+00	5.01E-08
12666	500894.64	3734296.59	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.94E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.09E-08
12667	500885.74	3734300.25	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.97E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.43E-08	0.00E+00	0.00E+00	5.17E-08
12668	500876.85	3734303.92	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.00E-07	0.00E+00	0.00E+00	3.17E-07	1.77E-08	3.48E-08	0.00E+00	0.00E+00	5.25E-08
12669	500867.95	3734307.59	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.33E-08
12670	500859.06	3734311.25	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.42E-08
12671	500850.16	3734314.92	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.65E-08	0.00E+00	0.00E+00	5.50E-08
12672	500841.26	3734318.59	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.13E-07	0.00E+00	0.00E+00	3.38E-07	1.88E-08	3.71E-08	0.00E+00	0.00E+00	5.59E-08
12673	500832.37	3734322.25	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.16E-07	0.00E+00	0.00E+00	3.43E-07	1.91E-08	3.76E-08	0.00E+00	0.00E+00	5.67E-08
12674	500823.47	3734325.92	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.19E-07	0.00E+00	0.00E+00	3.48E-07	1.94E-08	3.82E-08	0.00E+00	0.00E+00	5.76E-08
12675	500814.58	3734329.59	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.53E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.85E-08
12676	500805.68	3734333.25	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
12677	500796.78	3734336.92	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	4.00E-08	0.00E+00	0.00E+00	6.03E-08
12678	500787.89	3734340.59	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.12E-08
12679	500778.99	3734344.25	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	2.09E-08	4.12E-08	0.00E+00	0.00E+00	6.21E-08
12680	500716.72	3734369.92	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.16E-07	2.32E-08	4.56E-08	0.00E+00	0.00E+00	6.88E-08
12681	500707.82	3734373.59	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.98E-08
12682	500698.93	3734377.25	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.07E-08
12683	500690.03	3734380.92	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.75E-08	0.00E+00	0.00E+00	7.17E-08
12684	500681.14	3734384.59	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.77E-07	0.00E+00	0.00E+00	4.39E-07	2.45E-08	4.82E-08	0.00E+00	0.00E+00	7.26E-08
12685	500672.24	3734388.25	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.80E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.88E-08	0.00E+00	0.00E+00	7.36E-08
12686	500663.34	3734391.92	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.50E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.45E-08
12687	500654.45	3734395.59	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.56E-07	2.54E-08	5.01E-08	0.00E+00	0.00E+00	7.55E-08
12688	500645.55	3734399.25	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	2.91E-07	0.00E+00	0.00E+00	4.62E-07	2.57E-08	5.07E-08	0.00E+00	0.00E+00	7.64E-08
12689	500636.66	3734402.92	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	2.95E-07	0.00E+00	0.00E+00	4.68E-07	2.61E-08	5.13E-08	0.00E+00	0.00E+00	7.74E-08
12690	500627.76	3734406.59	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	2.98E-07	0.00E+00	0.00E+00	4.73E-07	2.64E-08	5.20E-08	0.00E+00	0.00E+00	7.83E-08
12691	500592.18	3734421.25	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.12E-07	0.00E+00	0.00E+00	4.96E-07	2.76E-08	5.44E-08	0.00E+00	0.00E+00	8.21E-08
12692	500583.28	3734424.92	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.01E-07	2.79E-08	5.50E-08	0.00E+00	0.00E+00	8.30E-08
12693	500574.39	3734428.59	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.39E-08
12694	500565.49	3734432.25	1.9E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	3.23E-07	0.00E+00	0.00E+00	5.13E-07	2.86E-08	5.63E-08	0.00E+00	0.00E+00	8.48E-08
12695	500556.59	3734435.92	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.26E-07	0.00E+00	0.00E+00	5.18E-07	2.89E-08	5.68E-08	0.00E+00	0.00E+00	8.57E-08
12696	500547.7	3734439.59	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.30E-07	0.00E+00	0.00E+00	5.23E-07	2.92E-08	5.74E-08	0.00E+00	0.00E+00	8.66E-08
12697	500538.8	3734443.25	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.33E-07	0.00E+00	0.00E+00	5.28E-07	2.94E-08	5.80E-08	0.00E+00	0.00E+00	8.74E-08
12698	500529.91	3734446.92	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.34E-07	2.97E-08	5.86E-08	0.00E+00	0.00E+00	8.83E-08
12699	500521.01	3734450.59	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.39E-07	0.00E+00	0.00E+00	5.39E-07	3.00E-08	5.91E-08	0.00E+00	0.00E+00	8.92E-08
12700	500512.11	3734454.25	2.01E-07	3.43E-07	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.43E-07	0.00E+00	0.00E+00	5.44E-07	3.03E-08	5.97E-08	0.00E+00	0.00E+00	9.00E-08
12701	500503.22	3734457.92	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.02E-08	0.00E+00	0.00E+00	9.08E-08
12702	500494.32	3734461.59	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.49E-07	0.00E+00	0.00E+00	5.54E-07	3.09E-08	6.08E-08	0.00E+00	0.00E+00	9.16E-08
12703	500485.43	3734465.25	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.24E-08
12704	500476.53	3734468.92	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.55E-07	0.00E+00	0.00E+00	5.63E-07	3.14E-08	6.18E-08	0.00E+00	0.00E+00	9.32E-08
12705	500467.63	3734472.59	2.1E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.58E-07	0.00E+00	0.00E+00	5.68E-07	3.17E-08	6.23E-08	0.00E+00	0.00E+00	9.40E-08
12706	500458.74	3734476.25	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.29E-08	0.00E+00	0.00E+00	9.48E-08
12707	500449.84	3734479.92	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.64E-07	0.00E+00	0.00E+00	5.77E-07	3.22E-08	6.34E-08	0.00E+00	0.00E+00	9.55E-08
12708	500440.95	3734483.59	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
12709	500432.05	3734487.25	2.18E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.70E-07	0.00E+00	0.00E+00	5.88E-07	3.27E-08	6.45E-08	0.00E+00	0.00E+00	9.73E-08
12710	500245.24	3734564.25	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	4.18E-07	0.00E+00	0.00E+00	6.64E-07	3.70E-08	7.28E-08	0.00E+00	0.00E+00	1.10E-07
12711	500236.34	3734567.92	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.20E-07	0.00E+00	0.00E+00	6.66E-07	3.71E-08	7.31E-08	0.00E+00	0.00E+00	1.10E-07
12712	500227.44	3734571.59	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	4.21E-07	0.00E+00	0.00E+00	6.69E-07	3.73E-08	7.34E-08	0.00E+00	0.00E+00	1.11E-07
12713	500218.55	3734575.25	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	4.23E-07	0.00E+00	0.00E+00	6.71E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
12714	501236.8	3733525.02	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.56E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12715	501236.81	3733515.3	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12716	501236.82	3733505.57	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12717	501236.83	3733495.85	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12718	501236.84	3733486.13	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12719	501236.85	3733476.4	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12720	501236.86	3733466.68	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12721	501236.87	3733456.95	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.56E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12722	501236.88	3733447.23	5.8E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	8.73E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12723	501236.89	3733437.5	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	9.89E-08	0.00E+00	0.00E+00	1.57E-07	8.74E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
12724	501236.9	3733427.78	5.82E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.90E-08	0.00E+00	0.00E+00	1.57E-07	8.76E-09	1.73E-08	0.00E+00	0.00E+00	2.60E-08
12725	501236.91	3733418.05	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.92E-08	0.00E+00	0.00E+00	1.58E-07	8.78E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
12726	501236.92	3733408.33	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
12727	501236.93	3733398.61	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	9.97E-08	0.00E+00	0.00E+00	1.58E-07	8.82E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
12728	501236.94	3733388.88	5.87E-08	9.99E-08	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-08	9.99E-08	0.00E+00	0.00E+00	1.59E-07	8.84E-09	1.74E-08	0.00E+00	0.00E+00	2.62E-08
12729	501236.95	3733379.16	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.85E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
12730	501236.96	3733369.43	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.87E-09	1.75E-08	0.00E+00	0.00E+00	2.63E-08
12731	501236.97	3733359.71	5.9E-08	1.00E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.00E-07	0.00E+00	0.00E+00	1.60E-07	8.89E-09	1.75E-08	0.00E+00	0.00E+00	2.64E-08
12732	501236.99	3733340.26	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.93E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
12733	501237	3733330.53	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.01E-07	0.00E+00	0.00E+00	1.61E-07	8.95E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
12734	501237.01	3733320.81	5.96E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.98E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
12735	501237.02	3733311.09	5.98E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.01E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
12736	501237.03	3733301.36	6E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.03E-09	1.78E-08	0.00E+00	0.00E+00	2.68E-08

12737	501253.84	3733589.37	5.68E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	8.56E-09	1.69E-08	0.00E+00	0.00E+00	2.54E-08
12738	501250.11	3733598.35	5.72E-08	9.74E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	9.74E-08	0.00E+00	0.00E+00	1.55E-07	8.62E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
12739	501246.38	3733607.32	5.76E-08	9.81E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-08	9.81E-08	0.00E+00	0.00E+00	1.56E-07	8.68E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
12740	501242.65	3733616.29	5.8E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.88E-08	0.00E+00	0.00E+00	1.57E-07	8.74E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12741	501238.92	3733625.27	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	9.95E-08	0.00E+00	0.00E+00	1.58E-07	8.80E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
12742	501235.19	3733634.24	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.86E-09	1.75E-08	0.00E+00	0.00E+00	2.63E-08
12743	501231.46	3733643.21	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.93E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
12744	501227.73	3733652.18	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.99E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
12745	501224	3733661.16	6.02E-08	1.02E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.02E-07	0.00E+00	0.00E+00	1.63E-07	9.06E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
12746	501220.27	3733670.13	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.13E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
12747	501216.54	3733679.1	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.20E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
12748	501212.81	3733688.08	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.27E-09	1.83E-08	0.00E+00	0.00E+00	2.75E-08
12749	501209.08	3733697.05	6.2E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.34E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
12750	501205.35	3733706.02	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.41E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
12751	501201.62	3733715	6.3E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.48E-09	1.87E-08	0.00E+00	0.00E+00	2.82E-08
12752	501197.89	3733723.97	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.56E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
12753	501194.16	3733732.94	6.4E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.63E-09	1.90E-08	0.00E+00	0.00E+00	2.86E-08
12754	501179.24	3733768.83	6.6E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.94E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
12755	501175.51	3733777.81	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.97E-08
12756	501171.78	3733786.78	6.7E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	3.00E-08
12757	501168.05	3733795.75	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.15E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.00E-08	0.00E+00	0.00E+00	3.02E-08
12758	501164.32	3733804.72	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-08	1.16E-07	0.00E+00	0.00E+00	1.84E-07	1.03E-08	2.02E-08	0.00E+00	0.00E+00	3.05E-08
12759	501160.59	3733813.7	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.17E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.04E-08	0.00E+00	0.00E+00	3.07E-08
12760	501156.86	3733822.67	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.09E-08
12761	501153.13	3733831.64	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
12762	501149.4	3733840.62	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
12763	501145.67	3733849.59	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.21E-07	0.00E+00	0.00E+00	1.91E-07	1.07E-08	2.10E-08	0.00E+00	0.00E+00	3.17E-08
12764	501141.94	3733858.56	7.14E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.12E-08	0.00E+00	0.00E+00	3.19E-08
12765	501138.21	3733867.54	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.22E-08
12766	501134.48	3733876.51	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
12767	501130.75	3733885.48	7.3E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.26E-08
12768	501127.02	3733894.45	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
12769	501123.29	3733903.43	7.41E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
12770	501119.56	3733912.4	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.22E-08	0.00E+00	0.00E+00	3.34E-08
12771	501115.83	3733921.37	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.37E-08
12772	501112.1	3733930.35	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
12773	501108.37	3733939.32	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.27E-08	0.00E+00	0.00E+00	3.42E-08
12774	501104.64	3733948.29	7.7E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
12775	501100.91	3733957.26	7.76E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.30E-08	0.00E+00	0.00E+00	3.47E-08
12776	501097.18	3733966.24	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.49E-08
12777	501093.45	3733975.21	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.33E-08	0.00E+00	0.00E+00	3.52E-08
12778	501089.72	3733984.18	7.93E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.35E-08	0.00E+00	0.00E+00	3.55E-08
12779	501085.99	3733993.16	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.36E-07	0.00E+00	0.00E+00	2.16E-07	1.20E-08	2.37E-08	0.00E+00	0.00E+00	3.57E-08
12780	501082.26	3734002.13	8.05E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.37E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.39E-08	0.00E+00	0.00E+00	3.60E-08
12781	501078.53	3734011.1	8.11E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.40E-08	0.00E+00	0.00E+00	3.62E-08
12782	501074.8	3734020.08	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.42E-08	0.00E+00	0.00E+00	3.65E-08
12783	501071.07	3734029.05	8.22E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-08	1.40E-07	0.00E+00	0.00E+00	2.22E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
12784	501067.34	3734038.02	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.70E-08
12785	501063.61	3734046.99	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.73E-08
12786	501059.88	3734055.97	8.41E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.27E-08	2.49E-08	0.00E+00	0.00E+00	3.76E-08
12787	501056.15	3734064.94	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
12788	501052.42	3734073.91	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.53E-08	0.00E+00	0.00E+00	3.81E-08
12789	501048.69	3734082.89	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.55E-08	0.00E+00	0.00E+00	3.84E-08
12790	501044.96	3734091.86	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
12791	501041.23	3734100.83	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.90E-08
12792	501037.5	3734109.81	8.78E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
12793	501033.77	3734118.78	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.95E-08
12794	501030.04	3734127.75	8.9E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
12795	501026.31	3734136.72	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
12796	500992.74	3734217.48	9.53E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.26E-08
12797	500989.01	3734226.45	9.6E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.45E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
12798	500985.28	3734235.43	9.66E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	1.45E-08	2.87E-08	0.00E+00	0.00E+00	4.32E-08
12799	500981.55	3734244.4	9.72E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	1.66E-07	0.00E+00	0.00E+00	2.63E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.35E-08
12800	500977.82	3734253.37	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-08	1.67E-07	0.00E+00	0.00E+00	2.65E-07	1.47E-08	2.90E-08	0.00E+00	0.00E+00	4.38E-08
12801	500974.09	3734262.35	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	1.68E-07	0.00E+00	0.00E+00	2.66E-07	1.48E-08	2.92E-08	0.00E+00	0.00E+00	4.41E-08
12802	500970.36	3734271.32	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	1.69E-07	0.00E+00	0.00E+00	2.68E-07	1.49E-08	2.94E-08	0.00E+00	0.00E+00	4.44E-08
12803	500966.63	3734280.29	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	1.70E-07	0.00E+00	0.00E+00	2.70E-07	1.50E-08	2.96E-08	0.00E+00	0.00E+00	4.47E-08
12804	500962.9	3734289.26	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.71E-07	0.00E+00	0.00E+00	2.72E-07	1.51E-08	2.98E-08	0.00E+00	0.00E+00	4.50E-08
12805	500959.17	3734298.24	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	1.72E-07	0.00E+00	0.00E+00	2.74E-07	1.52E-08	3.00E-08	0.00E+00	0.00E+00	4.53E-08
12806	500946.45	3734310.91	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.76E-07	0.00E+00	0.00E+00	2.80E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.63E-08
12807	500937.47	3734314.62	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.84E-07	1.58E-08	3.12E-08	0.00E+00	0.00E+00	4.70E-08
12808	500928.49	3734318.32	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	1.82E-07	0.00E+00	0.00E+00	2.89E-07	1.61E-08	3.17E-08	0.00E+00	0.00E+00	4.78E-08
12809	500919.5	3734322.02	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	1.85E-07	0.00E+00	0.00E+00	2.93E-07	1.63E-08	3.22E-08	0.00E+00	0.00E+00	4.85E-08
12810	500910.52	3734325.73	1.1E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.88E-07	0.00E+00	0.00E+00	2.98E-07	1.66E-08	3.27E-08	0.00E+00	0.00E+00	4.93E-08
12811	500901.53	3734329.43	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	1.90E-07	0.00E+00	0.00E+00	3.02E-07	1.68E-08	3.32E-08	0.00E+00	0.00E+00	5.00E-08
12812	500892.55	3734333.13	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.93E-07	0.00E+00	0.00E+00	3.07E-07	1.71E-08	3.37E-08	0.00E+00	0.00E+00	5.08E-08
12813	500883.57	3734336.83	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.12E-07	1.74E-08	3.42E-08	0.00E+00	0.00E+00	5.16E-08
12814	500874.58	3734340.54	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.17E-07	1.76E-08	3.48E-08	0.00E+00	0.00E+00	5.24E-08
12815	500865.6	3734344.24	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.22E-07	1.79E-08	3.53E-08	0.00E+00	0.00E+00	5.32E-08
12816	500802.71	3734370.16	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.25E-07	0.00E+00	0.00E+00	3.57E-07	1.99E-08	3.92E-08	0.00E+00	0.00E+00	5.91E-08
12817	500793.72	3734373.86	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	2.28E-07	0.00E+00	0.00E+00	3.62E-07	2.02E-08	3.98E-08	0.00E+00	0.00E+00	6.00E-08
12818	500784.74	3734377.57	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	2.32E-07	0.00E+00	0.00E+00	3.68E-07	2.05E-08	4.03E-08	0.00E+00	0.00E+00	6.08E-08
12819	500775.76	3734381.27	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.35E-07	0.00E+00	0.00E+00	3.73E-07	2.08E-08	4.09E-08	0.00E+00	0.00E+00	6.17E-08
12820	500766.77	3734384.97	1.4E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.38E-07	0.00E+00	0.00E+00	3.78E-07	2.11E-08	4.15E-08	0.00E+00	0.00E+00	6.26E-08
12821	500757.79	3734388.68	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.21E-08	0.00E+00	0.00E+00	6.35E-08
12822	500748.8	3734392.38	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
12823	500739.82	3734396.08	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
12824	500730.84	3734399.79	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.01E-07	2.23E-08	4.40E-08	0.00E+00	0.00E+00	6.63E-08
12825	500721.85	3734403.49	1.5E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.56E-07	0.00E+00	0.00E+00	4.06E-07	2.26E-08	4.46E-08	0.00E+00	0.00E+00	6.72E-08
12826	500712.87	3734407.19	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.12E-07	2.29E-08	4.52E-08	0.00E+00	0.00E+00	6.81E-08
12827	500703.88	3734410.9	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.63E-07	0.00E+00	0.00E+00	4.17E-07	2.32E-08	4.58E-08	0.00E+00	0.00E+00	6.90E-08
12828	500694.9	3734414.6	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.64E-08	0.00E+00	0.00E+00	6.99E-08
12829	500685.92	3734418.3	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.70E-07	0.00E+00	0.00E+00	4.28E-07	2.38E-08	4.70E-08	0.00E+00	0.00E+00	7.08E-08
12830	500676.93	3734422	1.6E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.73E-07	0.00E+00	0.00E+00	4.33E-07	2.41E-08	4.76E-08	0.00E+00	0.00E+00	7.17E-08
12831	500667.95	3734425.71	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.76E-07	0.00E+00	0.00E+00	4.39E-07	2.44E-08	4.82E-08	0.00E+00	0.00E+00	7.26E-08
12832	500658.96	3734429.41	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	2.80E-07	0.00E+00	0.00E+00	4.44E-07	2.47E-08	4.88E-08	0.00E+00	0.00E+00	7.35E-08
12833	500649.98	3734433.11	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	2.83E-07	0.00E+00	0.00E+00	4.50E-07	2.50E-08	4.93E-08	0.00E+00	0.00E+00	7.44E-08
12834	500640.99	3734436.82	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.53E-08	4.99E-08	0.00E+00	0.00E+00	7.53E-08
12835	500632.01	3734440.52	1.7E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	2.90E-07	0.00E+00	0.00E+00	4.60E-07	2.56E-08	5.05E-08	0.00E+00	0.00E+00	7.62E-08
12836	500623.03	3734444.22	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	2.93E-07	0.00E+00	0.00E+00	4.66E-07	2.59E-08	5.11E-08	0.00E+00	0.00E+00	7.71E-08
12837	500587.09	3734459.04	1.8E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.07E-07	0.00E+00	0.00E+00	4.87E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
12838	500578.11	3734462.74	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	3.10E-07	0.00E+00	0.00E+00	4.92E-07	2.74E-08	5.40E-08	0.00E+00	0.00E+00	8.14E-08
12839	500569.12	3734466.44	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.13E-07	0.00E+00	0.00E+00	4.97E-07	2.77E-08	5.45E-08	0.00E+00	0.00E+00	8.22E-08
12840	500560.14	3734470.14	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.16E-07	0.00E+00	0.00E+00	5.02E-07	2.80E-08	5.51E-08	0.00E+00	0.00E+00	8.30E-08
12841	500551.15	3734473.85	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.19E-07	0.00E+00	0.00E+00	5.07E-07	2.82E-08	5.56E-08	0.00E+00	0.00E+00	8.39E-08
12842	500542.17	3734477.55	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.12E-07	2.85E-08	5.62E-08	0.00E+00	0.00E+00	8.47E-08
12843	500533.19	3734481.25	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.88E-08	5.67E-08	0.00E+00	0.00E+00	8.55E-08
12844	500524.2	3734484.96	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.21E-07	2.90E-08	5.72E-08	0.00E+00	0.00E+00	8.63E-08
12845	500326.55	3734566.42	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.11E-07	3.40E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
12846	500317.57	3734570.13	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
12847	500308.58	3734573.83	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.89E-07	0.00E+00	0.00E+00	6.17E-07	3.44E-08	6.77E-08	0.00E+00	0.00E+00	1.02E-07
12848	500299.6	3734577.53	2.3E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	3.91E-07	0.00E+00	0.00E+00	6.20E-07	3.46E-08	6.81E-08	0.00E+00	0.00E+00	1.03E-07
12849	500290.61	3734581.24	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	3.93E-07	0.00E+00	0.00E+00	6.23E-07	3.47E-08	6.84E-08	0.00E+00	0.00E+00	1.03E-07
12850	500281.63	3734584.94	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	3.94E-07	0.00E+00	0.00E+00	6.26E-07	3.49E-08	6.87E-08	0.00E+00	0.00E+00	1.04E-07
12851	500272.65	3734588.64	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.96E-07	0.00E+00	0.00E+00	6.29E-07	3.50E-08	6.90E-08	0.00E+00	0.00E+00	1.04E-07
12852	500263.66	3734592.34	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.98E-07	0.00E+00	0.00E+00	6.32E-07	3.52E-08	6.93E-08	0.00E+00	0.00E+00	1.05E-07
12853	500254.68	3734596.05	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	3.99E-07	0.00E+00	0.00E+00	6.34E-07	3.53E-08	6.96E-08	0.00E+00	0.00E+00	1.05E-07
12854	500245.69	3734599.75	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	4.01E-07	0.00E+00	0.00E+00	6.37E-07	3.55E-08	6.99E-08	0.00E+00	0.00E+00	1.05E-07
12855	500236.71	3734603.45	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.03E-07	0.00E+00	0.00E+00	6.39E-07	3.56E-08	7.01E-08	0.00E+00	0.00E+00	1.06E-07
12856	500227.73	3734607.16	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	4.04E-07	0.00E+00	0.00E+00	6.41E-07	3.57E-08	7.04E-08	0.00E+00	0.00E+00	1.06E-07
12857	500218.74	3734610.86	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	4.06E-07	0.00E+00	0.00E+00	6.44E-07	3.59E-08	7.07E-08	0.00E+00	0.00E+00	1.07E-07
12858	501272.49	3733544.51	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	8.29E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12859	501272.5	3733534.78	5.5E-08	9.37E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.37E-08	0.00E+00	0.00E+00	1.49E-07	8.29E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12860	501272.51	3733525.06	5.5E-08	9.37E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.37E-08	0.00E+00	0.00E+00	1.49E-07	8.28E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12861	501272.52	3733515.34	5.5E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	8.28E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12862	501272.53	3733505.61	5.5E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	8.28E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12863	501272.54	3733495.89	5.5E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	8.28E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12864	501272.55	3733486.16	5.5E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	8.28E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12865	501272.56	3733476.44	5.5E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	8.28E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12866	501272.57	3733466.71	5.5E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.36E-08	0.00E+00	0.00E+00	1.49E-07	8.28E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08

12867	501272.58	3733456.99	5.5E-08	9.37E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.37E-08	0.00E+00	0.00E+00	1.49E-07	8.29E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12868	501272.59	3733447.26	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	8.29E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12869	501272.6	3733437.54	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	8.30E-09	1.64E-08	0.00E+00	0.00E+00	2.47E-08
12870	501272.61	3733427.82	5.52E-08	9.39E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-08	9.39E-08	0.00E+00	0.00E+00	1.49E-07	8.31E-09	1.64E-08	0.00E+00	0.00E+00	2.47E-08
12871	501272.62	3733418.09	5.53E-08	9.41E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-08	9.41E-08	0.00E+00	0.00E+00	1.49E-07	8.32E-09	1.64E-08	0.00E+00	0.00E+00	2.47E-08
12872	501272.63	3733408.37	5.54E-08	9.42E-08	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-08	9.42E-08	0.00E+00	0.00E+00	1.50E-07	8.34E-09	1.64E-08	0.00E+00	0.00E+00	2.48E-08
12873	501272.64	3733398.64	5.55E-08	9.44E-08	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-08	9.44E-08	0.00E+00	0.00E+00	1.50E-07	8.35E-09	1.65E-08	0.00E+00	0.00E+00	2.48E-08
12874	501272.65	3733388.92	5.56E-08	9.46E-08	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-08	9.46E-08	0.00E+00	0.00E+00	1.50E-07	8.37E-09	1.65E-08	0.00E+00	0.00E+00	2.49E-08
12875	501272.66	3733379.19	5.57E-08	9.48E-08	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-08	9.48E-08	0.00E+00	0.00E+00	1.50E-07	8.38E-09	1.65E-08	0.00E+00	0.00E+00	2.49E-08
12876	501272.67	3733369.47	5.58E-08	9.50E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-08	9.50E-08	0.00E+00	0.00E+00	1.51E-07	8.40E-09	1.65E-08	0.00E+00	0.00E+00	2.49E-08
12877	501272.68	3733359.74	5.59E-08	9.52E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-08	9.52E-08	0.00E+00	0.00E+00	1.51E-07	8.42E-09	1.66E-08	0.00E+00	0.00E+00	2.50E-08
12878	501272.7	3733340.3	5.62E-08	9.56E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-08	9.56E-08	0.00E+00	0.00E+00	1.52E-07	8.46E-09	1.67E-08	0.00E+00	0.00E+00	2.51E-08
12879	501272.71	3733330.57	5.63E-08	9.59E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.59E-08	0.00E+00	0.00E+00	1.52E-07	8.48E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
12880	501272.72	3733320.85	5.65E-08	9.61E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-08	9.61E-08	0.00E+00	0.00E+00	1.53E-07	8.50E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
12881	501272.73	3733311.12	5.66E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	8.53E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
12882	501272.74	3733301.4	5.68E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	9.68E-08	0.00E+00	0.00E+00	1.54E-07	8.56E-09	1.69E-08	0.00E+00	0.00E+00	2.54E-08
12883	501272.76	3733281.95	5.73E-08	9.76E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-08	9.76E-08	0.00E+00	0.00E+00	1.55E-07	8.63E-09	1.70E-08	0.00E+00	0.00E+00	2.56E-08
12884	501272.77	3733272.22	5.76E-08	9.80E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-08	9.80E-08	0.00E+00	0.00E+00	1.56E-07	8.67E-09	1.71E-08	0.00E+00	0.00E+00	2.57E-08
12885	501272.78	3733262.5	5.78E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	9.83E-08	0.00E+00	0.00E+00	1.56E-07	8.70E-09	1.71E-08	0.00E+00	0.00E+00	2.58E-08
12886	501272.79	3733252.78	5.8E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	9.87E-08	0.00E+00	0.00E+00	1.57E-07	8.73E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12887	501272.8	3733243.05	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	9.91E-08	0.00E+00	0.00E+00	1.57E-07	8.76E-09	1.73E-08	0.00E+00	0.00E+00	2.60E-08
12888	501304.48	3733553.5	5.27E-08	8.97E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-08	8.97E-08	0.00E+00	0.00E+00	1.42E-07	7.94E-09	1.56E-08	0.00E+00	0.00E+00	2.36E-08
12889	501282.15	3733607.22	5.47E-08	9.32E-08	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-08	9.32E-08	0.00E+00	0.00E+00	1.48E-07	8.24E-09	1.62E-08	0.00E+00	0.00E+00	2.45E-08
12890	501278.43	3733616.18	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-08	9.38E-08	0.00E+00	0.00E+00	1.49E-07	8.30E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
12891	501274.71	3733625.13	5.55E-08	9.45E-08	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-08	9.45E-08	0.00E+00	0.00E+00	1.50E-07	8.35E-09	1.65E-08	0.00E+00	0.00E+00	2.48E-08
12892	501270.98	3733634.09	5.59E-08	9.51E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-08	9.51E-08	0.00E+00	0.00E+00	1.51E-07	8.41E-09	1.66E-08	0.00E+00	0.00E+00	2.50E-08
12893	501267.26	3733643.04	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	9.58E-08	0.00E+00	0.00E+00	1.52E-07	8.47E-09	1.67E-08	0.00E+00	0.00E+00	2.52E-08
12894	501263.54	3733651.99	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	9.65E-08	0.00E+00	0.00E+00	1.53E-07	8.53E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
12895	501259.82	3733660.95	5.71E-08	9.72E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-08	9.72E-08	0.00E+00	0.00E+00	1.54E-07	8.59E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
12896	501256.09	3733669.9	5.75E-08	9.79E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	9.79E-08	0.00E+00	0.00E+00	1.55E-07	8.66E-09	1.71E-08	0.00E+00	0.00E+00	2.57E-08
12897	501252.37	3733678.86	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.86E-08	0.00E+00	0.00E+00	1.56E-07	8.72E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
12898	501248.65	3733687.81	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	9.93E-08	0.00E+00	0.00E+00	1.58E-07	8.78E-09	1.73E-08	0.00E+00	0.00E+00	2.61E-08
12899	501244.93	3733696.76	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.00E-07	0.00E+00	0.00E+00	1.59E-07	8.85E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
12900	501241.21	3733705.72	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.91E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
12901	501237.48	3733714.67	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.98E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
12902	501233.76	3733723.63	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.05E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
12903	501230.04	3733732.58	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.12E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
12904	501226.32	3733741.53	6.1E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.19E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
12905	501215.15	3733768.4	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-08	1.06E-07	0.00E+00	0.00E+00	1.69E-07	9.40E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
12906	501211.43	3733777.35	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.47E-09	1.87E-08	0.00E+00	0.00E+00	2.81E-08
12907	501207.71	3733786.31	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.55E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
12908	501203.98	3733795.26	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.62E-09	1.89E-08	0.00E+00	0.00E+00	2.86E-08
12909	501200.26	3733804.21	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.10E-07	0.00E+00	0.00E+00	1.74E-07	9.69E-09	1.91E-08	0.00E+00	0.00E+00	2.88E-08
12910	501196.54	3733813.17	6.49E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.77E-09	1.92E-08	0.00E+00	0.00E+00	2.90E-08
12911	501192.82	3733822.12	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.11E-07	0.00E+00	0.00E+00	1.77E-07	9.84E-09	1.94E-08	0.00E+00	0.00E+00	2.92E-08
12912	501189.1	3733831.08	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.12E-07	0.00E+00	0.00E+00	1.78E-07	9.92E-09	1.95E-08	0.00E+00	0.00E+00	2.95E-08
12913	501185.37	3733840.03	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.13E-07	0.00E+00	0.00E+00	1.79E-07	9.99E-09	1.97E-08	0.00E+00	0.00E+00	2.97E-08
12914	501181.65	3733848.98	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.98E-08	0.00E+00	0.00E+00	2.99E-08
12915	501177.93	3733857.94	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.01E-08	2.00E-08	0.00E+00	0.00E+00	3.01E-08
12916	501174.21	3733866.89	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.04E-08
12917	501170.49	3733875.85	6.84E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
12918	501166.76	3733884.8	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
12919	501163.04	3733893.75	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.18E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.06E-08	0.00E+00	0.00E+00	3.10E-08
12920	501159.32	3733902.71	6.99E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-08	1.19E-07	0.00E+00	0.00E+00	1.89E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.13E-08
12921	501155.6	3733911.66	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.09E-08	0.00E+00	0.00E+00	3.15E-08
12922	501151.87	3733920.62	7.1E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.21E-07	0.00E+00	0.00E+00	1.92E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.17E-08
12923	501148.15	3733929.57	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.22E-07	0.00E+00	0.00E+00	1.93E-07	1.08E-08	2.12E-08	0.00E+00	0.00E+00	3.20E-08
12924	501144.43	3733938.52	7.2E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.08E-08	2.14E-08	0.00E+00	0.00E+00	3.22E-08
12925	501140.71	3733947.48	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.23E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.15E-08	0.00E+00	0.00E+00	3.24E-08
12926	501136.99	3733956.43	7.3E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.24E-07	0.00E+00	0.00E+00	1.97E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
12927	501133.26	3733965.39	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.18E-08	0.00E+00	0.00E+00	3.29E-08
12928	501129.54	3733974.34	7.41E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
12929	501125.82	3733983.29	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
12930	501122.1	3733992.25	7.52E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.36E-08
12931	501118.37	3734001.2	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
12932	501114.65	3734010.16	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
12933	501110.93	3734019.11	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-08	1.31E-07	0.00E+00	0.00E+00	2.07E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.43E-08
12934	501107.21	3734028.06	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.46E-08
12935	501103.49	3734037.02	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.33E-07	0.00E+00	0.00E+00	2.11E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
12936	501099.76	3734045.97	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.34E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.33E-08	0.00E+00	0.00E+00	3.51E-08
12937	501096.04	3734054.93	7.9E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-08	1.35E-07	0.00E+00	0.00E+00	2.14E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
12938	501092.32	3734063.88	7.96E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.36E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.56E-08
12939	501088.6	3734072.83	8.02E-08	1.36E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-08	1.36E-07	0.00E+00	0.00E+00	2.17E-07	1.21E-08	2.38E-08	0.00E+00	0.00E+00	3.58E-08
12940	501084.88	3734081.79	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-08	1.37E-07	0.00E+00	0.00E+00	2.18E-07	1.22E-08	2.39E-08	0.00E+00	0.00E+00	3.61E-08
12941	501081.15	3734090.74	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-08	1.38E-07	0.00E+00	0.00E+00	2.20E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.63E-08
12942	501077.43	3734099.7	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
12943	501073.71	3734108.65	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
12944	501069.99	3734117.6	8.3E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
12945	501066.26	3734126.56	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
12946	501062.54	3734135.51	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.27E-08	2.50E-08	0.00E+00	0.00E+00	3.76E-08
12947	501047.65	3734171.33	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.47E-07	0.00E+00	0.00E+00	2.34E-07	1.30E-08	2.57E-08	0.00E+00	0.00E+00	3.87E-08
12948	501043.93	3734180.28	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.89E-08
12949	501040.21	3734189.24	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	1.49E-07	0.00E+00	0.00E+00	2.37E-07	1.32E-08	2.60E-08	0.00E+00	0.00E+00	3.92E-08
12950	501036.49	3734198.19	8.83E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-08	1.50E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.62E-08	0.00E+00	0.00E+00	3.95E-08
12951	501032.76	3734207.15	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-08	1.51E-07	0.00E+00	0.00E+00	2.40E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.97E-08
12952	501029.04	3734216.1	8.95E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-08	1.52E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.65E-08	0.00E+00	0.00E+00	4.00E-08
12953	501025.32	3734225.05	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-08	1.53E-07	0.00E+00	0.00E+00	2.43E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.03E-08
12954	501021.6	3734234.01	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.36E-08	2.69E-08	0.00E+00	0.00E+00	4.05E-08
12955	501017.88	3734242.96	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	1.55E-07	0.00E+00	0.00E+00	2.47E-07	1.37E-08	2.71E-08	0.00E+00	0.00E+00	4.08E-08
12956	500991.82	3734305.64	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	1.62E-07	0.00E+00	0.00E+00	2.58E-07	1.44E-08	2.83E-08	0.00E+00	0.00E+00	4.26E-08
12957	500988.1	3734314.59	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.85E-08	0.00E+00	0.00E+00	4.29E-08
12958	500984.38	3734323.55	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-08	1.64E-07	0.00E+00	0.00E+00	2.61E-07	1.45E-08	2.86E-08	0.00E+00	0.00E+00	4.32E-08
12959	500971.69	3734336.2	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
12960	500962.72	3734339.89	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
12961	500953.76	3734343.59	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.74E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.56E-08
12962	500891	3734369.45	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.93E-07	0.00E+00	0.00E+00	3.06E-07	1.71E-08	3.36E-08	0.00E+00	0.00E+00	5.07E-08
12963	500882.04	3734373.15	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	1.96E-07	0.00E+00	0.00E+00	3.11E-07	1.73E-08	3.41E-08	0.00E+00	0.00E+00	5.14E-08
12964	500873.07	3734376.84	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	1.99E-07	0.00E+00	0.00E+00	3.15E-07	1.76E-08	3.46E-08	0.00E+00	0.00E+00	5.22E-08
12965	500864.11	3734380.54	1.18E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.02E-07	0.00E+00	0.00E+00	3.20E-07	1.78E-08	3.51E-08	0.00E+00	0.00E+00	5.29E-08
12966	500855.14	3734384.24	1.2E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.05E-07	0.00E+00	0.00E+00	3.25E-07	1.81E-08	3.56E-08	0.00E+00	0.00E+00	5.37E-08
12967	500846.18	3734387.93	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.08E-07	0.00E+00	0.00E+00	3.29E-07	1.84E-08	3.62E-08	0.00E+00	0.00E+00	5.45E-08
12968	500837.21	3734391.63	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.11E-07	0.00E+00	0.00E+00	3.34E-07	1.86E-08	3.67E-08	0.00E+00	0.00E+00	5.53E-08
12969	500828.25	3734395.32	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.14E-07	0.00E+00	0.00E+00	3.39E-07	1.89E-08	3.72E-08	0.00E+00	0.00E+00	5.61E-08
12970	500819.28	3734399.02	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.17E-07	0.00E+00	0.00E+00	3.44E-07	1.92E-08	3.78E-08	0.00E+00	0.00E+00	5.69E-08
12971	500810.32	3734402.71	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.20E-07	0.00E+00	0.00E+00	3.49E-07	1.94E-08	3.83E-08	0.00E+00	0.00E+00	5.77E-08
12972	500801.35	3734406.41	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	2.23E-07	0.00E+00	0.00E+00	3.54E-07	1.97E-08	3.88E-08	0.00E+00	0.00E+00	5.86E-08
12973	500792.39	3734410.1	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.26E-07	0.00E+00	0.00E+00	3.59E-07	2.00E-08	3.94E-08	0.00E+00	0.00E+00	5.94E-08
12974	500783.42	3734413.8	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.29E-07	0.00E+00	0.00E+00	3.64E-07	2.03E-08	3.99E-08	0.00E+00	0.00E+00	6.02E-08
12975	500774.46	3734417.49	1.37E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.32E-07	0.00E+00	0.00E+00	3.69E-07	2.06E-08	4.05E-08	0.00E+00	0.00E+00	6.11E-08
12976	500765.49	3734421.19	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	2.36E-07	0.00E+00	0.00E+00	3.74E-07	2.08E-08	4.11E-08	0.00E+00	0.00E+00	6.19E-08
12977	500756.52	3734424.88	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.79E-07	2.11E-08	4.16E-08	0.00E+00	0.00E+00	6.28E-08
12978	500747.56	3734428.58	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.85E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.37E-08
12979	500738.59	3734432.27	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.46E-07	0.00E+00	0.00E+00	3.90E-07	2.17E-08	4.28E-08	0.00E+00	0.00E+00	6.45E-08
12980	500729.63	3734435.97	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.49E-07	0.00E+00	0.00E+00	3.95E-07	2.20E-08	4.34E-08	0.00E+00	0.00E+00	6.54E-08
12981	500720.66	3734439.66	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.52E-07	0.00E+00	0.00E+00	4.00E-07	2.23E-08	4.39E-08	0.00E+00	0.00E+00	6.62E-08
12982	500711.7	3734443.36	1.5E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	2.55E-07	0.00E+00	0.00E+00	4.05E-07	2.26E-08	4.45E-08	0.00E+00	0.00E+00	6.71E-08
12983	500702.73	3734447.05	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.58E-07	0.00E+00	0.00E+00	4.10E-07	2.29E-08	4.50E-08	0.00E+00	0.00E+00	6.79E-08
12984	500693.77	3734450.75	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.62E-07	0.00E+00	0.00E+00	4.15E-07	2.31E-08	4.56E-08	0.00E+00	0.00E+00	6.87E-08
12985	500684.8	3734454.44	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.65E-07	0.00E+00	0.00E+00	4.20E-07	2.34E-08	4.61E-08	0.00E+00	0.00E+00	6.96E-08
12986	500675.84	3734458.14	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	2.68E-07	0.00E+00	0.00E+00	4.26E-07	2.37E-08	4.67E-08	0.00E+00	0.00E+00	7.04E-08
12987	500666.87	3734461.84	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.71E-07	0.00E+00	0.00E+00	4.31E-07	2.40E-08	4.73E-08	0.00E+00	0.00E+00	7.12E-08
12988	500657.91	3734465.53	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.74E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.78E-08	0.00E+00	0.00E+00	7.21E-08
12989	500648.94	3734469.23	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.45E-08	4.84E-08	0.00E+00	0.00E+00	7.29E-08
12990	500639.98	3734472.92	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.46E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
12991	500631.01	3734476.62	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	2.84E-07	0.00E+00	0.00E+00	4.51E-07	2.51E-08	4.94E-08	0.00E+00	0.00E+00	7.46E-08
12992	500622.05	3734480.31	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	2.87E-07	0.00E+00	0.00E+00	4.55E-07	2.54E-08	5.00E-08	0.00E+00	0.00E+00	7.54E-08
12993	500415.85	3734565.3	2.05E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.09E-08	0.00E+00	0.00E+00	9.19E-08
12994	500406.88	3734569	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.59E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.25E-08
12995	500397.92	3734572.69	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.62E-07	3.13E-08	6.17E-08	0.00E+00	0.00E+00	9.31E-08
12996	500388.95	3734576.39	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.56E-07	0.00E+00	0.00E+00	5.66E-07	3.15E-08	6.21E-08	0.00E+00	0.00E+00	9.36E-08

12997	500379.99	3734580.08	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
12998	500371.02	3734583.78	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.61E-07	0.00E+00	0.00E+00	5.73E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.47E-08
12999	500362.06	3734587.47	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
13000	500353.09	3734591.17	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.35E-08	0.00E+00	0.00E+00	9.58E-08
13001	500344.13	3734594.86	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.67E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.39E-08	0.00E+00	0.00E+00	9.63E-08
13002	500335.16	3734598.56	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.85E-07	3.26E-08	6.42E-08	0.00E+00	0.00E+00	9.68E-08
13003	500326.2	3734602.25	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.88E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.73E-08
13004	500317.23	3734605.95	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.72E-07	0.00E+00	0.00E+00	5.91E-07	3.29E-08	6.49E-08	0.00E+00	0.00E+00	9.78E-08
13005	500308.27	3734609.65	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
13006	500299.3	3734613.34	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	3.76E-07	0.00E+00	0.00E+00	5.97E-07	3.32E-08	6.55E-08	0.00E+00	0.00E+00	9.87E-08
13007	500290.34	3734617.04	2.22E-07	3.78E-07	0.00E+00	0.00E+00	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	3.78E-07	0.00E+00	0.00E+00	5.99E-07	3.34E-08	6.58E-08	0.00E+00	0.00E+00	9.92E-08
13008	500281.37	3734620.73	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	3.79E-07	0.00E+00	0.00E+00	6.02E-07	3.35E-08	6.61E-08	0.00E+00	0.00E+00	9.96E-08
13009	500272.4	3734624.43	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.05E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
13010	500263.44	3734628.12	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.82E-07	0.00E+00	0.00E+00	6.07E-07	3.38E-08	6.66E-08	0.00E+00	0.00E+00	1.00E-07
13011	500254.47	3734631.82	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	3.84E-07	0.00E+00	0.00E+00	6.09E-07	3.40E-08	6.69E-08	0.00E+00	0.00E+00	1.01E-07
13012	500245.51	3734635.51	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	3.85E-07	0.00E+00	0.00E+00	6.12E-07	3.41E-08	6.71E-08	0.00E+00	0.00E+00	1.01E-07
13013	500236.54	3734639.21	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	3.87E-07	0.00E+00	0.00E+00	6.14E-07	3.42E-08	6.74E-08	0.00E+00	0.00E+00	1.02E-07
13014	500227.58	3734642.9	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.88E-07	0.00E+00	0.00E+00	6.16E-07	3.43E-08	6.76E-08	0.00E+00	0.00E+00	1.02E-07
13015	500218.61	3734646.6	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.89E-07	0.00E+00	0.00E+00	6.18E-07	3.44E-08	6.78E-08	0.00E+00	0.00E+00	1.02E-07
13016	501308.21	3733544.55	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	7.89E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13017	501308.22	3733534.82	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	7.89E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13018	501308.23	3733525.1	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13019	501308.24	3733515.37	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13020	501308.25	3733505.65	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13021	501308.26	3733495.92	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13022	501308.27	3733486.2	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13023	501308.28	3733476.47	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13024	501308.29	3733466.75	5.24E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13025	501308.3	3733457.03	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	7.89E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13026	501308.31	3733447.3	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	8.92E-08	0.00E+00	0.00E+00	1.42E-07	7.89E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13027	501308.32	3733437.58	5.25E-08	8.93E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-08	8.93E-08	0.00E+00	0.00E+00	1.42E-07	7.90E-09	1.56E-08	0.00E+00	0.00E+00	2.35E-08
13028	501308.33	3733427.85	5.25E-08	8.94E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-08	8.94E-08	0.00E+00	0.00E+00	1.42E-07	7.91E-09	1.56E-08	0.00E+00	0.00E+00	2.35E-08
13029	501308.34	3733418.13	5.26E-08	8.95E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-08	8.95E-08	0.00E+00	0.00E+00	1.42E-07	7.92E-09	1.56E-08	0.00E+00	0.00E+00	2.35E-08
13030	501308.35	3733408.4	5.27E-08	8.97E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-08	8.97E-08	0.00E+00	0.00E+00	1.42E-07	7.93E-09	1.56E-08	0.00E+00	0.00E+00	2.36E-08
13031	501308.36	3733398.68	5.28E-08	8.98E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-08	8.98E-08	0.00E+00	0.00E+00	1.43E-07	7.94E-09	1.56E-08	0.00E+00	0.00E+00	2.36E-08
13032	501308.37	3733388.95	5.28E-08	9.00E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-08	9.00E-08	0.00E+00	0.00E+00	1.43E-07	7.96E-09	1.57E-08	0.00E+00	0.00E+00	2.36E-08
13033	501308.38	3733379.23	5.29E-08	9.01E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-08	9.01E-08	0.00E+00	0.00E+00	1.43E-07	7.97E-09	1.57E-08	0.00E+00	0.00E+00	2.37E-08
13034	501308.39	3733369.51	5.31E-08	9.03E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-08	9.03E-08	0.00E+00	0.00E+00	1.43E-07	7.99E-09	1.57E-08	0.00E+00	0.00E+00	2.37E-08
13035	501308.4	3733359.78	5.32E-08	9.05E-08	0.00E+00	0.00E+00	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-08	9.05E-08	0.00E+00	0.00E+00	1.44E-07	8.00E-09	1.58E-08	0.00E+00	0.00E+00	2.38E-08
13036	501308.43	3733330.61	5.36E-08	9.12E-08	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-08	9.12E-08	0.00E+00	0.00E+00	1.45E-07	8.06E-09	1.59E-08	0.00E+00	0.00E+00	2.39E-08
13037	501308.44	3733320.88	5.37E-08	9.14E-08	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-08	9.14E-08	0.00E+00	0.00E+00	1.45E-07	8.09E-09	1.59E-08	0.00E+00	0.00E+00	2.40E-08
13038	501308.45	3733311.16	5.39E-08	9.17E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-08	9.17E-08	0.00E+00	0.00E+00	1.46E-07	8.11E-09	1.60E-08	0.00E+00	0.00E+00	2.41E-08
13039	501308.46	3733301.43	5.4E-08	9.20E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-08	9.20E-08	0.00E+00	0.00E+00	1.46E-07	8.13E-09	1.60E-08	0.00E+00	0.00E+00	2.42E-08
13040	501308.48	3733281.99	5.44E-08	9.26E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	9.26E-08	0.00E+00	0.00E+00	1.47E-07	8.19E-09	1.61E-08	0.00E+00	0.00E+00	2.43E-08
13041	501308.49	3733272.26	5.46E-08	9.29E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-08	9.29E-08	0.00E+00	0.00E+00	1.47E-07	8.22E-09	1.62E-08	0.00E+00	0.00E+00	2.44E-08
13042	501308.5	3733262.54	5.48E-08	9.32E-08	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-08	9.32E-08	0.00E+00	0.00E+00	1.48E-07	8.24E-09	1.62E-08	0.00E+00	0.00E+00	2.45E-08
13043	501308.51	3733252.81	5.5E-08	9.35E-08	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-08	9.35E-08	0.00E+00	0.00E+00	1.48E-07	8.27E-09	1.63E-08	0.00E+00	0.00E+00	2.46E-08
13044	501340.2	3733553.52	5.02E-08	8.55E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-08	8.55E-08	0.00E+00	0.00E+00	1.36E-07	7.56E-09	1.49E-08	0.00E+00	0.00E+00	2.25E-08
13045	501336.49	3733562.46	5.05E-08	8.60E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-08	8.60E-08	0.00E+00	0.00E+00	1.36E-07	7.60E-09	1.50E-08	0.00E+00	0.00E+00	2.26E-08
13046	501332.77	3733571.39	5.08E-08	8.65E-08	0.00E+00	0.00E+00	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-08	8.65E-08	0.00E+00	0.00E+00	1.37E-07	7.65E-09	1.51E-08	0.00E+00	0.00E+00	2.27E-08
13047	501280.77	3733696.5	5.58E-08	9.50E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-08	9.50E-08	0.00E+00	0.00E+00	1.51E-07	8.40E-09	1.65E-08	0.00E+00	0.00E+00	2.49E-08
13048	501277.05	3733705.44	5.62E-08	9.57E-08	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-08	9.57E-08	0.00E+00	0.00E+00	1.52E-07	8.46E-09	1.67E-08	0.00E+00	0.00E+00	2.51E-08
13049	501273.34	3733714.37	5.66E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	9.64E-08	0.00E+00	0.00E+00	1.53E-07	8.52E-09	1.68E-08	0.00E+00	0.00E+00	2.53E-08
13050	501269.62	3733723.31	5.7E-08	9.71E-08	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-08	9.71E-08	0.00E+00	0.00E+00	1.54E-07	8.59E-09	1.69E-08	0.00E+00	0.00E+00	2.55E-08
13051	501265.91	3733732.25	5.75E-08	9.78E-08	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	9.78E-08	0.00E+00	0.00E+00	1.55E-07	8.65E-09	1.70E-08	0.00E+00	0.00E+00	2.57E-08
13052	501262.19	3733741.18	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-08	9.85E-08	0.00E+00	0.00E+00	1.56E-07	8.71E-09	1.72E-08	0.00E+00	0.00E+00	2.59E-08
13053	501251.05	3733767.99	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-08	1.01E-07	0.00E+00	0.00E+00	1.60E-07	8.91E-09	1.76E-08	0.00E+00	0.00E+00	2.65E-08
13054	501247.33	3733776.93	5.96E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-08	1.02E-07	0.00E+00	0.00E+00	1.61E-07	8.98E-09	1.77E-08	0.00E+00	0.00E+00	2.67E-08
13055	501243.62	3733785.86	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	1.02E-07	0.00E+00	0.00E+00	1.62E-07	9.04E-09	1.78E-08	0.00E+00	0.00E+00	2.69E-08
13056	501239.9	3733794.8	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.03E-07	0.00E+00	0.00E+00	1.64E-07	9.11E-09	1.80E-08	0.00E+00	0.00E+00	2.71E-08
13057	501236.19	3733803.74	6.1E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.04E-07	0.00E+00	0.00E+00	1.65E-07	9.18E-09	1.81E-08	0.00E+00	0.00E+00	2.73E-08
13058	501232.47	3733812.67	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-08	1.05E-07	0.00E+00	0.00E+00	1.66E-07	9.25E-09	1.82E-08	0.00E+00	0.00E+00	2.75E-08
13059	501228.76	3733821.61	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.05E-07	0.00E+00	0.00E+00	1.67E-07	9.32E-09	1.84E-08	0.00E+00	0.00E+00	2.77E-08
13060	501225.05	3733830.55	6.23E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-08	1.06E-07	0.00E+00	0.00E+00	1.68E-07	9.39E-09	1.85E-08	0.00E+00	0.00E+00	2.79E-08
13061	501221.33	3733839.48	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.07E-07	0.00E+00	0.00E+00	1.70E-07	9.46E-09	1.86E-08	0.00E+00	0.00E+00	2.81E-08
13062	501217.62	3733848.42	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.08E-07	0.00E+00	0.00E+00	1.71E-07	9.53E-09	1.88E-08	0.00E+00	0.00E+00	2.83E-08
13063	501213.9	3733857.36	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-08	1.08E-07	0.00E+00	0.00E+00	1.72E-07	9.59E-09	1.89E-08	0.00E+00	0.00E+00	2.85E-08
13064	501210.19	3733866.29	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	1.09E-07	0.00E+00	0.00E+00	1.73E-07	9.66E-09	1.90E-08	0.00E+00	0.00E+00	2.87E-08
13065	501206.47	3733875.23	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.10E-07	0.00E+00	0.00E+00	1.75E-07	9.72E-09	1.92E-08	0.00E+00	0.00E+00	2.89E-08
13066	501202.76	3733884.17	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.11E-07	0.00E+00	0.00E+00	1.76E-07	9.80E-09	1.93E-08	0.00E+00	0.00E+00	2.91E-08
13067	501199.04	3733893.1	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-08	1.12E-07	0.00E+00	0.00E+00	1.77E-07	9.87E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
13068	501195.33	3733902.04	6.61E-08	1.12E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.12E-07	0.00E+00	0.00E+00	1.79E-07	9.95E-09	1.96E-08	0.00E+00	0.00E+00	2.95E-08
13069	501191.61	3733910.97	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	1.13E-07	0.00E+00	0.00E+00	1.80E-07	1.00E-08	1.97E-08	0.00E+00	0.00E+00	2.98E-08
13070	501187.9	3733919.91	6.7E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.14E-07	0.00E+00	0.00E+00	1.81E-07	1.01E-08	1.99E-08	0.00E+00	0.00E+00	2.99E-08
13071	501184.18	3733928.85	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-08	1.15E-07	0.00E+00	0.00E+00	1.82E-07	1.02E-08	2.00E-08	0.00E+00	0.00E+00	3.01E-08
13072	501180.47	3733937.78	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.16E-07	0.00E+00	0.00E+00	1.83E-07	1.02E-08	2.01E-08	0.00E+00	0.00E+00	3.04E-08
13073	501176.75	3733946.72	6.84E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-08	1.16E-07	0.00E+00	0.00E+00	1.85E-07	1.03E-08	2.03E-08	0.00E+00	0.00E+00	3.06E-08
13074	501173.04	3733955.66	6.88E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-08	1.17E-07	0.00E+00	0.00E+00	1.86E-07	1.04E-08	2.04E-08	0.00E+00	0.00E+00	3.08E-08
13075	501169.32	3733964.59	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.18E-07	0.00E+00	0.00E+00	1.87E-07	1.04E-08	2.05E-08	0.00E+00	0.00E+00	3.10E-08
13076	501165.61	3733973.53	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.19E-07	0.00E+00	0.00E+00	1.88E-07	1.05E-08	2.07E-08	0.00E+00	0.00E+00	3.12E-08
13077	501161.89	3733982.47	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.20E-07	0.00E+00	0.00E+00	1.90E-07	1.06E-08	2.08E-08	0.00E+00	0.00E+00	3.14E-08
13078	501158.18	3733991.4	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.20E-07	0.00E+00	0.00E+00	1.91E-07	1.06E-08	2.10E-08	0.00E+00	0.00E+00	3.16E-08
13079	501154.46	3734000.34	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.21E-07	0.00E+00	0.00E+00	1.93E-07	1.07E-08	2.11E-08	0.00E+00	0.00E+00	3.19E-08
13080	501150.75	3734009.27	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	1.22E-07	0.00E+00	0.00E+00	1.94E-07	1.08E-08	2.13E-08	0.00E+00	0.00E+00	3.21E-08
13081	501147.03	3734018.21	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.23E-07	0.00E+00	0.00E+00	1.95E-07	1.09E-08	2.14E-08	0.00E+00	0.00E+00	3.23E-08
13082	501143.32	3734027.15	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.24E-07	0.00E+00	0.00E+00	1.96E-07	1.09E-08	2.16E-08	0.00E+00	0.00E+00	3.25E-08
13083	501139.6	3734036.08	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.25E-07	0.00E+00	0.00E+00	1.98E-07	1.10E-08	2.17E-08	0.00E+00	0.00E+00	3.27E-08
13084	501135.89	3734045.02	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.25E-07	0.00E+00	0.00E+00	1.99E-07	1.11E-08	2.19E-08	0.00E+00	0.00E+00	3.29E-08
13085	501132.17	3734053.96	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-08	1.26E-07	0.00E+00	0.00E+00	2.00E-07	1.12E-08	2.20E-08	0.00E+00	0.00E+00	3.32E-08
13086	501128.46	3734062.89	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-08	1.27E-07	0.00E+00	0.00E+00	2.02E-07	1.12E-08	2.22E-08	0.00E+00	0.00E+00	3.34E-08
13087	501124.74	3734071.83	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.28E-07	0.00E+00	0.00E+00	2.03E-07	1.13E-08	2.23E-08	0.00E+00	0.00E+00	3.37E-08
13088	501121.03	3734080.77	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-08	1.29E-07	0.00E+00	0.00E+00	2.05E-07	1.14E-08	2.25E-08	0.00E+00	0.00E+00	3.39E-08
13089	501117.32	3734089.7	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.30E-07	0.00E+00	0.00E+00	2.06E-07	1.15E-08	2.26E-08	0.00E+00	0.00E+00	3.41E-08
13090	501113.6	3734098.64	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.31E-07	0.00E+00	0.00E+00	2.08E-07	1.16E-08	2.28E-08	0.00E+00	0.00E+00	3.44E-08
13091	501109.89	3734107.57	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.32E-07	0.00E+00	0.00E+00	2.09E-07	1.16E-08	2.29E-08	0.00E+00	0.00E+00	3.46E-08
13092	501106.17	3734116.51	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.32E-07	0.00E+00	0.00E+00	2.10E-07	1.17E-08	2.31E-08	0.00E+00	0.00E+00	3.48E-08
13093	501102.46	3734125.45	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.33E-07	0.00E+00	0.00E+00	2.12E-07	1.18E-08	2.32E-08	0.00E+00	0.00E+00	3.50E-08
13094	501098.74	3734134.38	7.89E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.34E-07	0.00E+00	0.00E+00	2.13E-07	1.19E-08	2.34E-08	0.00E+00	0.00E+00	3.53E-08
13095	501095.03	3734143.32	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-08	1.35E-07	0.00E+00	0.00E+00	2.15E-07	1.20E-08	2.36E-08	0.00E+00	0.00E+00	3.55E-08
13096	501083.88	3734170.13	8.12E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-08	1.38E-07	0.00E+00	0.00E+00	2.19E-07	1.22E-08	2.41E-08	0.00E+00	0.00E+00	3.63E-08
13097	501080.17	3734179.07	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-08	1.39E-07	0.00E+00	0.00E+00	2.21E-07	1.23E-08	2.43E-08	0.00E+00	0.00E+00	3.66E-08
13098	501076.45	3734188	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.40E-07	0.00E+00	0.00E+00	2.23E-07	1.24E-08	2.44E-08	0.00E+00	0.00E+00	3.68E-08
13099	501072.74	3734196.94	8.3E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.41E-07	0.00E+00	0.00E+00	2.24E-07	1.25E-08	2.46E-08	0.00E+00	0.00E+00	3.71E-08
13100	501069.02	3734205.87	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.42E-07	0.00E+00	0.00E+00	2.26E-07	1.26E-08	2.48E-08	0.00E+00	0.00E+00	3.74E-08
13101	501065.31	3734214.81	8.41E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-08	1.43E-07	0.00E+00	0.00E+00	2.27E-07	1.27E-08	2.49E-08	0.00E+00	0.00E+00	3.76E-08
13102	501061.59	3734223.75	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.44E-07	0.00E+00	0.00E+00	2.29E-07	1.27E-08	2.51E-08	0.00E+00	0.00E+00	3.79E-08
13103	501057.88	3734232.68	8.52E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-08	1.45E-07	0.00E+00	0.00E+00	2.30E-07	1.28E-08	2.53E-08	0.00E+00	0.00E+00	3.81E-08
13104	501054.16	3734241.62	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	1.46E-07	0.00E+00	0.00E+00	2.32E-07	1.29E-08	2.54E-08	0.00E+00	0.00E+00	3.84E-08
13105	501050.45	3734250.56	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-08	1.47E-07	0.00E+00	0.00E+00	2.33E-07	1.30E-08	2.56E-08	0.00E+00	0.00E+00	3.86E-08
13106	501046.73	3734259.49	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	1.48E-07	0.00E+00	0.00E+00	2.35E-07	1.31E-08	2.58E-08	0.00E+00	0.00E+00	3.88E-08
13107	501043.02	3734268.43	8.74E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-08	1.49E-07	0.00E+00	0.00E+00	2.36E-07	1.32E-08	2.59E-08	0.00E+00	0.00E+00	3.91E-08
13108	501039.3	3734277.37	8.8E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-08	1.50E-07	0.00E+00	0.00E+00	2.38E-07	1.32E-08	2.61E-08	0.00E+00	0.00E+00	3.93E-08
13109	501035.59	3734286.3	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	1.51E-07	0.00E+00	0.00E+00	2.39E-07	1.33E-08	2.63E-08	0.00E+00	0.00E+00	3.96E-08
13110	501031.87	3734295.24	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	1.52E-07	0.00E+00	0.00E+00	2.41E-07	1.34E-08	2.64E-08	0.00E+00	0.00E+00	3.98E-08
13111	501028.16	3734304.18	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-08	1.53E-07	0.00E+00	0.00E+00	2.42E-07	1.35E-08	2.66E-08	0.00E+00	0.00E+00	4.01E-08
13112	501024.44	3734313.11	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	1.54E-07	0.00E+00	0.00E+00	2.44E-07	1.36E-08	2.67E-08	0.00E+00	0.00E+00	4.03E-08
13113	501020.73	3734322.05	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	1.54E-07	0.00E+00	0.00E+00	2.45E-07	1.37E-08	2.69E-08	0.00E+00	0.00E+00	4.06E-08
13114	500987.98	3734365.17	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-08	1.63E-07	0.00E+00	0.00E+00	2.59E-07	1.44E-08	2.84E-08	0.00E+00	0.00E+00	4.28E-08
13115	500979.03	3734368.86	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	1.65E-07	0.00E+00	0.00E+00	2.62E-07	1.46E-08	2.88E-08	0.00E+00	0.00E+00	4.34E-08
13116	500970.08	3734372.55	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-08	1.68E-07	0.00E+00	0.00E+00	2.67E-07	1.49E-08	2.93E-08	0.00E+00	0.00E+00	4.41E-08
13117	500961.13	3734376.23	1E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	1.71E-07	0.00E+00	0.00E+00	2.71E-07	1.51E-08	2.97E-08	0.00E+00	0.00E+00	4.48E-08
13118	500952.19	3734379.92	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	1.73E-07	0.00E+00	0.00E+00	2.75E-07	1.53E-08	3.02E-08	0.00E+00	0.00E+00	4.55E-08
13119	500943.24	3734383.61	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	1.76E-07	0.00E+00	0.00E+00	2.79E-07	1.56E-08	3.07E-08	0.00E+00	0.00E+00	4.62E-08
13120	500934.29	3734387.3	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.79E-07	0.00E+00	0.00E+00	2.83E-07	1.58E-08	3.11E-08	0.00E+00	0.00E+00	4.69E-08
13121	500925.34	3734390.98	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	1.81E-07	0.00E+00	0.00E+00	2.88E-07	1.60E-08	3.16E-08	0.00E+00	0.00E+00	4.76E-08
13122	500916.4	3734394.67	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.84E-07	0.00E+00	0.00E+00	2.92E-07	1.63E-08	3.20E-08	0.00E+00	0.00E+00	4.83E-08
13123	500907.45	3734398.36	1.1E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	1.87E-07	0.00E+00	0.00E+00	2.96E-07	1.65E-08	3.25E-08	0.00E+00	0.00E+00	4.90E-08
13124	500898.5	3734402.05	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	1.89E-07	0.00E+00	0.00E+00	3.00E-07	1.67E-08	3.30E-08	0.00E+00	0.00E+00	4.97E-08
13125	500889.55	3734405.74	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.92E-07	0.00E+00	0.00E+00	3.05E-07	1.70E-08	3.34E-08	0.00E+00	0.00E+00	5.04E-08
13126	500880.61	3734409.42	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	1.95E-07	0.00E+00	0.00E+00	3.09E-07	1.72E-08	3.39E-08	0.00E+00	0.00E+00	5.12E-08

13127	500871.66	3734413.11	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	1.98E-07	0.00E+00	0.00E+00	3.14E-07	1.75E-08	3.44E-08	0.00E+00	0.00E+00	5.19E-08
13128	500862.71	3734416.8	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.00E-07	0.00E+00	0.00E+00	3.18E-07	1.77E-08	3.49E-08	0.00E+00	0.00E+00	5.26E-08
13129	500853.76	3734420.49	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.03E-07	0.00E+00	0.00E+00	3.23E-07	1.80E-08	3.54E-08	0.00E+00	0.00E+00	5.34E-08
13130	500844.82	3734424.18	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.06E-07	0.00E+00	0.00E+00	3.27E-07	1.82E-08	3.59E-08	0.00E+00	0.00E+00	5.41E-08
13131	500835.87	3734427.86	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.09E-07	0.00E+00	0.00E+00	3.32E-07	1.85E-08	3.64E-08	0.00E+00	0.00E+00	5.49E-08
13132	500826.92	3734431.55	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.12E-07	0.00E+00	0.00E+00	3.36E-07	1.87E-08	3.69E-08	0.00E+00	0.00E+00	5.57E-08
13133	500817.97	3734435.24	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.15E-07	0.00E+00	0.00E+00	3.41E-07	1.90E-08	3.74E-08	0.00E+00	0.00E+00	5.64E-08
13134	500809.03	3734438.93	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.18E-07	0.00E+00	0.00E+00	3.46E-07	1.93E-08	3.79E-08	0.00E+00	0.00E+00	5.72E-08
13135	500800.08	3734442.62	1.3E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.21E-07	0.00E+00	0.00E+00	3.50E-07	1.95E-08	3.85E-08	0.00E+00	0.00E+00	5.80E-08
13136	500791.13	3734446.3	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	2.24E-07	0.00E+00	0.00E+00	3.55E-07	1.98E-08	3.90E-08	0.00E+00	0.00E+00	5.88E-08
13137	500782.18	3734449.99	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	2.27E-07	0.00E+00	0.00E+00	3.60E-07	2.01E-08	3.95E-08	0.00E+00	0.00E+00	5.96E-08
13138	500773.24	3734453.68	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	2.30E-07	0.00E+00	0.00E+00	3.65E-07	2.04E-08	4.01E-08	0.00E+00	0.00E+00	6.04E-08
13139	500764.29	3734457.37	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	2.33E-07	0.00E+00	0.00E+00	3.70E-07	2.06E-08	4.06E-08	0.00E+00	0.00E+00	6.12E-08
13140	500755.34	3734461.06	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	2.36E-07	0.00E+00	0.00E+00	3.75E-07	2.09E-08	4.11E-08	0.00E+00	0.00E+00	6.20E-08
13141	500746.39	3734464.74	1.4E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	2.39E-07	0.00E+00	0.00E+00	3.80E-07	2.11E-08	4.17E-08	0.00E+00	0.00E+00	6.28E-08
13142	500737.45	3734468.43	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	2.42E-07	0.00E+00	0.00E+00	3.84E-07	2.14E-08	4.22E-08	0.00E+00	0.00E+00	6.36E-08
13143	500728.5	3734472.12	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	2.45E-07	0.00E+00	0.00E+00	3.89E-07	2.17E-08	4.27E-08	0.00E+00	0.00E+00	6.44E-08
13144	500719.55	3734475.81	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	2.48E-07	0.00E+00	0.00E+00	3.94E-07	2.19E-08	4.32E-08	0.00E+00	0.00E+00	6.52E-08
13145	500710.6	3734479.5	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	2.51E-07	0.00E+00	0.00E+00	3.99E-07	2.22E-08	4.38E-08	0.00E+00	0.00E+00	6.60E-08
13146	500701.66	3734483.18	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.54E-07	0.00E+00	0.00E+00	4.03E-07	2.25E-08	4.43E-08	0.00E+00	0.00E+00	6.67E-08
13147	500692.71	3734486.87	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	2.57E-07	0.00E+00	0.00E+00	4.08E-07	2.27E-08	4.48E-08	0.00E+00	0.00E+00	6.75E-08
13148	500683.76	3734490.56	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	2.60E-07	0.00E+00	0.00E+00	4.13E-07	2.30E-08	4.53E-08	0.00E+00	0.00E+00	6.83E-08
13149	500674.81	3734494.25	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08
13150	500665.87	3734497.94	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	2.66E-07	0.00E+00	0.00E+00	4.22E-07	2.35E-08	4.63E-08	0.00E+00	0.00E+00	6.99E-08
13151	500656.92	3734501.62	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	2.69E-07	0.00E+00	0.00E+00	4.27E-07	2.38E-08	4.69E-08	0.00E+00	0.00E+00	7.06E-08
13152	500647.97	3734505.31	1.6E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	2.72E-07	0.00E+00	0.00E+00	4.32E-07	2.40E-08	4.74E-08	0.00E+00	0.00E+00	7.14E-08
13153	500639.02	3734509	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	2.75E-07	0.00E+00	0.00E+00	4.36E-07	2.43E-08	4.79E-08	0.00E+00	0.00E+00	7.22E-08
13154	500630.08	3734512.69	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	2.78E-07	0.00E+00	0.00E+00	4.41E-07	2.46E-08	4.84E-08	0.00E+00	0.00E+00	7.29E-08
13155	500621.13	3734516.38	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	2.81E-07	0.00E+00	0.00E+00	4.45E-07	2.48E-08	4.89E-08	0.00E+00	0.00E+00	7.37E-08
13156	500495.86	3734568.01	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	3.17E-07	0.00E+00	0.00E+00	5.04E-07	2.81E-08	5.53E-08	0.00E+00	0.00E+00	8.33E-08
13157	500486.92	3734571.7	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	3.20E-07	0.00E+00	0.00E+00	5.07E-07	2.83E-08	5.57E-08	0.00E+00	0.00E+00	8.40E-08
13158	500477.97	3734575.38	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	3.22E-07	0.00E+00	0.00E+00	5.11E-07	2.85E-08	5.61E-08	0.00E+00	0.00E+00	8.46E-08
13159	500469.02	3734579.07	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	3.25E-07	0.00E+00	0.00E+00	5.16E-07	2.87E-08	5.66E-08	0.00E+00	0.00E+00	8.53E-08
13160	500460.07	3734582.76	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	3.27E-07	0.00E+00	0.00E+00	5.19E-07	2.89E-08	5.70E-08	0.00E+00	0.00E+00	8.59E-08
13161	500451.13	3734586.45	1.94E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.29E-07	0.00E+00	0.00E+00	5.23E-07	2.91E-08	5.74E-08	0.00E+00	0.00E+00	8.65E-08
13162	500442.18	3734590.13	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.32E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.78E-08	0.00E+00	0.00E+00	8.71E-08
13163	500433.23	3734593.82	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	3.34E-07	0.00E+00	0.00E+00	5.30E-07	2.95E-08	5.82E-08	0.00E+00	0.00E+00	8.77E-08
13164	500424.28	3734597.51	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	3.36E-07	0.00E+00	0.00E+00	5.33E-07	2.97E-08	5.85E-08	0.00E+00	0.00E+00	8.83E-08
13165	500415.34	3734601.2	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.89E-08	0.00E+00	0.00E+00	8.88E-08
13166	500406.39	3734604.89	2E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	3.40E-07	0.00E+00	0.00E+00	5.40E-07	3.01E-08	5.93E-08	0.00E+00	0.00E+00	8.93E-08
13167	500397.44	3734608.57	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	3.42E-07	0.00E+00	0.00E+00	5.43E-07	3.03E-08	5.96E-08	0.00E+00	0.00E+00	8.99E-08
13168	500388.49	3734612.26	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	3.44E-07	0.00E+00	0.00E+00	5.46E-07	3.04E-08	6.00E-08	0.00E+00	0.00E+00	9.04E-08
13169	500379.55	3734615.95	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	3.46E-07	0.00E+00	0.00E+00	5.49E-07	3.06E-08	6.03E-08	0.00E+00	0.00E+00	9.09E-08
13170	500370.6	3734619.64	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	3.48E-07	0.00E+00	0.00E+00	5.52E-07	3.08E-08	6.06E-08	0.00E+00	0.00E+00	9.14E-08
13171	500361.65	3734623.33	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	3.50E-07	0.00E+00	0.00E+00	5.55E-07	3.09E-08	6.10E-08	0.00E+00	0.00E+00	9.19E-08
13172	500352.7	3734627.01	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	3.52E-07	0.00E+00	0.00E+00	5.58E-07	3.11E-08	6.13E-08	0.00E+00	0.00E+00	9.24E-08
13173	500343.76	3734630.7	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	3.54E-07	0.00E+00	0.00E+00	5.61E-07	3.13E-08	6.16E-08	0.00E+00	0.00E+00	9.29E-08
13174	500334.81	3734634.39	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	3.55E-07	0.00E+00	0.00E+00	5.64E-07	3.14E-08	6.19E-08	0.00E+00	0.00E+00	9.33E-08
13175	500325.86	3734638.08	2.1E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	3.57E-07	0.00E+00	0.00E+00	5.67E-07	3.16E-08	6.22E-08	0.00E+00	0.00E+00	9.38E-08
13176	500316.91	3734641.77	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.69E-07	3.17E-08	6.25E-08	0.00E+00	0.00E+00	9.42E-08
13177	500307.97	3734645.45	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	3.60E-07	0.00E+00	0.00E+00	5.72E-07	3.19E-08	6.28E-08	0.00E+00	0.00E+00	9.46E-08
13178	500299.02	3734649.14	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.62E-07	0.00E+00	0.00E+00	5.74E-07	3.20E-08	6.31E-08	0.00E+00	0.00E+00	9.51E-08
13179	500290.07	3734652.83	2.14E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.63E-07	0.00E+00	0.00E+00	5.77E-07	3.21E-08	6.33E-08	0.00E+00	0.00E+00	9.55E-08
13180	500281.12	3734656.52	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	3.65E-07	0.00E+00	0.00E+00	5.79E-07	3.23E-08	6.36E-08	0.00E+00	0.00E+00	9.59E-08
13181	500272.18	3734660.21	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	3.66E-07	0.00E+00	0.00E+00	5.82E-07	3.24E-08	6.38E-08	0.00E+00	0.00E+00	9.62E-08
13182	500263.23	3734663.89	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.68E-07	0.00E+00	0.00E+00	5.84E-07	3.25E-08	6.41E-08	0.00E+00	0.00E+00	9.66E-08
13183	500254.28	3734667.58	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	3.69E-07	0.00E+00	0.00E+00	5.86E-07	3.27E-08	6.43E-08	0.00E+00	0.00E+00	9.70E-08
13184	500245.33	3734671.27	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.71E-07	0.00E+00	0.00E+00	5.88E-07	3.28E-08	6.46E-08	0.00E+00	0.00E+00	9.73E-08
13185	500236.39	3734674.96	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	3.72E-07	0.00E+00	0.00E+00	5.90E-07	3.29E-08	6.48E-08	0.00E+00	0.00E+00	9.77E-08
13186	500227.44	3734678.65	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
13187	500218.49	3734682.33	2.2E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	3.74E-07	0.00E+00	0.00E+00	5.94E-07	3.31E-08	6.52E-08	0.00E+00	0.00E+00	9.83E-08
13188	501343.92	3733544.58	4.99E-08	8.50E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.50E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13189	501343.93	3733534.86	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13190	501343.94	3733525.13	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13191	501343.95	3733515.41	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13192	501343.96	3733505.68	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13193	501343.97	3733495.96	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13194	501343.98	3733486.24	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13195	501343.99	3733476.51	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.49E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13196	501344	3733466.79	4.99E-08	8.50E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.50E-08	0.00E+00	0.00E+00	1.35E-07	7.51E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13197	501344.01	3733457.06	4.99E-08	8.50E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	8.50E-08	0.00E+00	0.00E+00	1.35E-07	7.52E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13198	501344.02	3733447.34	5E-08	8.51E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-08	8.51E-08	0.00E+00	0.00E+00	1.35E-07	7.52E-09	1.48E-08	0.00E+00	0.00E+00	2.23E-08
13199	501344.03	3733437.61	5E-08	8.52E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-08	8.52E-08	0.00E+00	0.00E+00	1.35E-07	7.53E-09	1.48E-08	0.00E+00	0.00E+00	2.24E-08
13200	501344.04	3733427.89	5.01E-08	8.53E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-08	8.53E-08	0.00E+00	0.00E+00	1.35E-07	7.54E-09	1.49E-08	0.00E+00	0.00E+00	2.24E-08
13201	501344.05	3733418.16	5.01E-08	8.54E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-08	8.54E-08	0.00E+00	0.00E+00	1.36E-07	7.55E-09	1.49E-08	0.00E+00	0.00E+00	2.24E-08
13202	501344.06	3733408.44	5.02E-08	8.55E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-08	8.55E-08	0.00E+00	0.00E+00	1.36E-07	7.56E-09	1.49E-08	0.00E+00	0.00E+00	2.25E-08
13203	501344.07	3733398.72	5.03E-08	8.56E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-08	8.56E-08	0.00E+00	0.00E+00	1.36E-07	7.57E-09	1.49E-08	0.00E+00	0.00E+00	2.25E-08
13204	501344.08	3733388.99	5.04E-08	8.58E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-08	8.58E-08	0.00E+00	0.00E+00	1.36E-07	7.59E-09	1.49E-08	0.00E+00	0.00E+00	2.25E-08
13205	501344.09	3733379.27	5.05E-08	8.59E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-08	8.59E-08	0.00E+00	0.00E+00	1.36E-07	7.60E-09	1.50E-08	0.00E+00	0.00E+00	2.26E-08
13206	501344.1	3733369.54	5.06E-08	8.61E-08	0.00E+00	0.00E+00	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	8.61E-08	0.00E+00	0.00E+00	1.37E-07	7.62E-09	1.50E-08	0.00E+00	0.00E+00	2.26E-08
13207	501344.11	3733359.82	5.07E-08	8.63E-08	0.00E+00	0.00E+00	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-08	8.63E-08	0.00E+00	0.00E+00	1.37E-07	7.63E-09	1.50E-08	0.00E+00	0.00E+00	2.27E-08
13208	501344.14	3733330.64	5.11E-08	8.69E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-08	8.69E-08	0.00E+00	0.00E+00	1.38E-07	7.69E-09	1.51E-08	0.00E+00	0.00E+00	2.28E-08
13209	501344.15	3733320.92	5.12E-08	8.72E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-08	8.72E-08	0.00E+00	0.00E+00	1.38E-07	7.71E-09	1.52E-08	0.00E+00	0.00E+00	2.29E-08
13210	501344.16	3733311.2	5.14E-08	8.74E-08	0.00E+00	0.00E+00	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-08	8.74E-08	0.00E+00	0.00E+00	1.39E-07	7.73E-09	1.52E-08	0.00E+00	0.00E+00	2.30E-08
13211	501344.17	3733301.47	5.15E-08	8.77E-08	0.00E+00	0.00E+00	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-08	8.77E-08	0.00E+00	0.00E+00	1.39E-07	7.75E-09	1.53E-08	0.00E+00	0.00E+00	2.30E-08
13212	501344.19	3733282.02	5.18E-08	8.82E-08	0.00E+00	0.00E+00	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-08	8.82E-08	0.00E+00	0.00E+00	1.40E-07	7.80E-09	1.54E-08	0.00E+00	0.00E+00	2.32E-08
13213	501344.2	3733272.3	5.2E-08	8.85E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-08	8.85E-08	0.00E+00	0.00E+00	1.41E-07	7.83E-09	1.54E-08	0.00E+00	0.00E+00	2.33E-08
13214	501344.21	3733262.57	5.22E-08	8.88E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-08	8.88E-08	0.00E+00	0.00E+00	1.41E-07	7.86E-09	1.55E-08	0.00E+00	0.00E+00	2.33E-08
13215	501344.22	3733252.85	5.24E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	8.91E-08	0.00E+00	0.00E+00	1.41E-07	7.88E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
13216	501344.23	3733243.12	5.25E-08	8.94E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-08	8.94E-08	0.00E+00	0.00E+00	1.42E-07	7.91E-09	1.56E-08	0.00E+00	0.00E+00	2.35E-08
13217	501344.24	3733233.4	5.27E-08	8.98E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-08	8.98E-08	0.00E+00	0.00E+00	1.43E-07	7.94E-09	1.56E-08	0.00E+00	0.00E+00	2.36E-08
13218	501344.25	3733223.68	5.29E-08	9.01E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-08	9.01E-08	0.00E+00	0.00E+00	1.43E-07	7.97E-09	1.57E-08	0.00E+00	0.00E+00	2.37E-08
13219	501344.26	3733213.95	5.31E-08	9.05E-08	0.00E+00	0.00E+00	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-08	9.05E-08	0.00E+00	0.00E+00	1.44E-07	8.00E-09	1.58E-08	0.00E+00	0.00E+00	2.38E-08
13220	501344.27	3733204.23	5.33E-08	9.08E-08	0.00E+00	0.00E+00	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-08	9.08E-08	0.00E+00	0.00E+00	1.44E-07	8.03E-09	1.58E-08	0.00E+00	0.00E+00	2.39E-08
13221	499793.22	3733259.6	2.03E-06	3.46E-06	0.00E+00	0.00E+00	5.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-06	3.46E-06	0.00E+00	0.00E+00	5.50E-06	3.06E-07	6.04E-07	0.00E+00	0.00E+00	9.10E-07
13222	499776.52	3733259.6	1.71E-06	2.92E-06	0.00E+00	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.92E-06	0.00E+00	0.00E+00	4.63E-06	2.58E-07	5.08E-07	0.00E+00	0.00E+00	7.66E-07
13223	499751.47	3733258.4	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	2.31E-06	0.00E+00	0.00E+00	3.67E-06	2.05E-07	4.03E-07	0.00E+00	0.00E+00	6.08E-07
13224	499797.99	3733217.85	2.04E-06	3.47E-06	0.00E+00	0.00E+00	5.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	3.47E-06	0.00E+00	0.00E+00	5.51E-06	3.07E-07	6.05E-07	0.00E+00	0.00E+00	9.12E-07
13225	499777.71	3733219.04	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.79E-06	0.00E+00	0.00E+00	4.43E-06	2.47E-07	4.86E-07	0.00E+00	0.00E+00	7.33E-07
13226	499749.08	3733217.85	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.13E-06	0.00E+00	0.00E+00	3.38E-06	1.88E-07	3.71E-07	0.00E+00	0.00E+00	5.59E-07
13227	499789.64	3733178.49	1.74E-06	2.96E-06	0.00E+00	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	2.96E-06	0.00E+00	0.00E+00	4.70E-06	2.62E-07	5.16E-07	0.00E+00	0.00E+00	7.78E-07
13228	499768.17	3733176.1	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06	2.35E-06	0.00E+00	0.00E+00	3.73E-06	2.08E-07	4.09E-07	0.00E+00	0.00E+00	6.16E-07
13229	499751.47	3733176.1	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.00E-06	0.00E+00	0.00E+00	3.18E-06	1.77E-07	3.49E-07	0.00E+00	0.00E+00	5.27E-07
13230	499826.61	3733099.77	2.49E-06	4.24E-06	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-06	4.24E-06	0.00E+00	0.00E+00	6.74E-06	3.75E-07	7.40E-07	0.00E+00	0.00E+00	1.11E-06
13231	499824.23	3733085.45	2.28E-06	3.88E-06	0.00E+00	0.00E+00	6.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-06	3.88E-06	0.00E+00	0.00E+00	6.15E-06	3.43E-07	6.75E-07	0.00E+00	0.00E+00	1.02E-06
13232	499823.04	3733043.71	1.86E-06	3.16E-06	0.00E+00	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-06	3.16E-06	0.00E+00	0.00E+00	5.01E-06	2.79E-07	5.50E-07	0.00E+00	0.00E+00	8.30E-07
13233	499823.04	3733025.82	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	2.84E-06	0.00E+00	0.00E+00	4.51E-06	2.51E-07	4.95E-07	0.00E+00	0.00E+00	7.46E-07
13234	499801.57	3732975.72	9.5E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-07	1.62E-06	0.00E+00	0.00E+00	2.57E-06	1.43E-07	2.82E-07	0.00E+00	0.00E+00	4.25E-07
13235	499788.45	3732967.37	8.2E-07	1.40E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-07	1.40E-06	0.00E+00	0.00E+00	2.21E-06	1.23E-07	2.43E-07	0.00E+00	0.00E+00	3.66E-07
13236	499761.01	3732957.83	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-07	1.11E-06	0.00E+00	0.00E+00	1.77E-06	9.84E-08	1.94E-07	0.00E+00	0.00E+00	2.92E-07
13237	499744.31	3732950.67	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	9.84E-07	0.00E+00	0.00E+00	1.56E-06	8.70E-08	1.71E-07	0.00E+00	0.00E+00	2.59E-07
13238	499783.67	3733028.2	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	1.72E-06	0.00E+00	0.00E+00	2.74E-06	1.53E-07	3.00E-07	0.00E+00	0.00E+00	4.53E-07
13239	499761.01	3733029.39	8.32E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-07	1.42E-06	0.00E+00	0.00E+00	2.25E-06	1.25E-07	2.47E-07	0.00E+00	0.00E+00	3.72E-07
13240	499738.35	3733029.39	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-07	1.20E-06	0.00E+00	0.00E+00	1.90E-06	1.06E-07	2.09E-07	0.00E+00	0.00E+00	3.15E-07
13241	499781.29	3733073.53	1.18E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.02E-06	0.00E+00	0.00E+00	3.20E-06	1.78E-07	3.51E-07	0.00E+00	0.00E+00	5.30E-07
13242	499761.01	3733073.53	9.69E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-07	1.65E-06	0.00E+00	0.00E+00	2.62E-06	1.46E-07	2.88E-07	0.00E+00	0.00E+00	4.34E-07
13243	499732.39	3733073.53	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-07	1.31E-06	0.00E+00	0.00E+00	2.08E-06	1.16E-07	2.28E-07	0.00E+00	0.00E+00	3.44E-07
13244	499685.87	3732951.87	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	7.35E-07	0.00E+00	0.00E+00	1.17E-06	6.50E-08	1.28E-07	0.00E+00	0.00E+00	1.93E-07
13245	499687.06	3732973.33	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	7.75E-07	0.00E+00	0.00E+00	1.23E-06	6.86E-08	1.35E-07	0.00E+00	0.00E+00	2.04E-07
13246	499687.06	3732999.58	4.83E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-07	8.23E-07	0.00E+00	0.00E+00	1.31E-06	7.28E-08	1.43E-07	0.00E+00	0.00E+00	2.16E-07
13247	499687.06	3733032.97	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.88E-07	0.00E+00	0.00E+00	1.41E-06	7.86E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
13248	499688.25	3733053.25	5.51E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-07	9.37E-07	0.00E+00	0.00E+00	1.49E-06	8.29E-08	1.63E-07	0.00E+00	0.00E+00	2.46E-07
13249	499688.25	3733075.91	5.8E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	9.88E-07	0.00E+00	0.00E+00	1.57E-06	8.74E-08	1.72E-07	0.00E+00	0.00E+00	2.60E-07
13250	499696.6	3733166.56	7.52E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-07	1.28E-06	0.00E+00	0.00E+00	2.03E-06	1.13E-07	2.23E-07	0.00E+00	0.00E+00	3.36E-07
13251	499698.99	3733179.68	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-07	1.34E-06	0.00E+00	0.00E+00	2.12E-06	1.18E-07	2.33E-07	0.00E+00	0.00E+00	3.51E-07
13252	499697.8	3733220.24	8.42E-07	1.43E-06	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-07	1.43E-06	0.00E+00	0.00E+00	2.28E-06	1.27E-07	2.50E-07	0.00E+00	0.00E+00	3.77E-07
13253	499697.8	3733235.74	8.65E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-07	1.47E-06	0.00E+00	0.00E+00	2.34E-06	1.30E-07	2.57E-07	0.00E+00	0.00E+00	3.87E-07
13254	499697.8	3733258.4	8.98E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-07	1.53E-06	0.00E+00	0.00E+00	2.43E-06	1.35E-07	2.66E-07	0.00E+00	0.00E+00	4.01E-07
13255	499639.35	3733264.37	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.07E-06	0.00E+00	0.00E+00	1.70E-06	9.47E-08	1.87E-07	0.00E+00	0.00E+00	2.81E-07
13256	499614.3	3733261.98	5.47E-07	9.32E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-07	9.32E-07	0.00E+00	0.00E+00	1.48E-06	8.24E-08	1.62E-07	0.00E+00	0.00E+00	2.45E-07

13257	499638.16	3733240.51	6.02E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-07	1.03E-06	0.00E+00	0.00E+00	1.63E-06	9.07E-08	1.79E-07	0.00E+00	0.00E+00	2.69E-07
13258	499613.11	3733240.51	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	8.97E-07	0.00E+00	0.00E+00	1.42E-06	7.93E-08	1.56E-07	0.00E+00	0.00E+00	2.36E-07
13259	499635.77	3733214.27	5.69E-07	9.69E-07	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	9.69E-07	0.00E+00	0.00E+00	1.54E-06	8.57E-08	1.69E-07	0.00E+00	0.00E+00	2.55E-07
13260	499636.97	3733189.22	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	9.34E-07	0.00E+00	0.00E+00	1.48E-06	8.26E-08	1.63E-07	0.00E+00	0.00E+00	2.45E-07
13261	499614.3	3733184.45	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-07	8.24E-07	0.00E+00	0.00E+00	1.31E-06	7.29E-08	1.44E-07	0.00E+00	0.00E+00	2.17E-07
13262	499613.11	3733213.08	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	8.59E-07	0.00E+00	0.00E+00	1.36E-06	7.60E-08	1.50E-07	0.00E+00	0.00E+00	2.26E-07
13263	499617.88	3733085.45	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	7.05E-07	0.00E+00	0.00E+00	1.12E-06	6.24E-08	1.23E-07	0.00E+00	0.00E+00	1.85E-07
13264	499616.69	3733071.14	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-07	6.84E-07	0.00E+00	0.00E+00	1.09E-06	6.05E-08	1.19E-07	0.00E+00	0.00E+00	1.80E-07
13265	499615.5	3733046.09	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-07	6.51E-07	0.00E+00	0.00E+00	1.03E-06	5.75E-08	1.13E-07	0.00E+00	0.00E+00	1.71E-07
13266	499614.3	3733030.59	3.7E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	6.30E-07	0.00E+00	0.00E+00	1.00E-06	5.57E-08	1.10E-07	0.00E+00	0.00E+00	1.65E-07
13267	499614.3	3733007.92	3.56E-07	6.05E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	6.05E-07	0.00E+00	0.00E+00	9.61E-07	5.35E-08	1.05E-07	0.00E+00	0.00E+00	1.59E-07
13268	499620.27	3732978.11	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	5.88E-07	0.00E+00	0.00E+00	9.33E-07	5.20E-08	1.02E-07	0.00E+00	0.00E+00	1.54E-07
13269	499622.65	3732942.32	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	5.57E-07	0.00E+00	0.00E+00	8.84E-07	4.92E-08	9.70E-08	0.00E+00	0.00E+00	1.46E-07
13270	499607.15	3732928.01	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	5.14E-07	0.00E+00	0.00E+00	8.16E-07	4.54E-08	8.95E-08	0.00E+00	0.00E+00	1.35E-07
13271	499573.75	3732942.32	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	4.70E-07	0.00E+00	0.00E+00	7.45E-07	4.15E-08	8.18E-08	0.00E+00	0.00E+00	1.23E-07
13272	499573.75	3732929.2	2.7E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	4.60E-07	0.00E+00	0.00E+00	7.31E-07	4.07E-08	8.02E-08	0.00E+00	0.00E+00	1.21E-07
13273	499539.16	3732926.82	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	4.12E-07	0.00E+00	0.00E+00	6.54E-07	3.64E-08	7.18E-08	0.00E+00	0.00E+00	1.08E-07
13274	499541.54	3732941.13	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	4.23E-07	0.00E+00	0.00E+00	6.72E-07	3.74E-08	7.37E-08	0.00E+00	0.00E+00	1.11E-07
13275	499511.73	3732941.13	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.87E-07	0.00E+00	0.00E+00	6.15E-07	3.43E-08	6.75E-08	0.00E+00	0.00E+00	1.02E-07
13276	499487.87	3732942.32	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
13277	499491.45	3732928.01	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.60E-07	0.00E+00	0.00E+00	5.71E-07	3.18E-08	6.27E-08	0.00E+00	0.00E+00	9.45E-08
13278	499511.73	3732928.01	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	3.81E-07	0.00E+00	0.00E+00	6.04E-07	3.37E-08	6.63E-08	0.00E+00	0.00E+00	1.00E-07
13279	499436.58	3732935.17	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	3.14E-07	0.00E+00	0.00E+00	4.98E-07	2.78E-08	5.47E-08	0.00E+00	0.00E+00	8.25E-08
13280	499436.58	3733001.96	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3.38E-07	0.00E+00	0.00E+00	5.37E-07	2.99E-08	5.90E-08	0.00E+00	0.00E+00	8.89E-08
13281	499436.58	3733089.03	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	3.73E-07	0.00E+00	0.00E+00	5.92E-07	3.30E-08	6.50E-08	0.00E+00	0.00E+00	9.80E-08
13282	499526.04	3733091.42	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	4.96E-07	0.00E+00	0.00E+00	7.88E-07	4.39E-08	8.64E-08	0.00E+00	0.00E+00	1.30E-07
13283	499523.65	3733141.51	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	4.66E-08	9.18E-08	0.00E+00	0.00E+00	1.38E-07
13284	499435.39	3733148.67	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	3.97E-07	0.00E+00	0.00E+00	6.31E-07	3.51E-08	6.92E-08	0.00E+00	0.00E+00	1.04E-07
13285	499437.77	3733233.36	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	4.39E-07	0.00E+00	0.00E+00	6.97E-07	3.88E-08	7.65E-08	0.00E+00	0.00E+00	1.15E-07
13286	499483.1	3733258.4	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	5.27E-07	0.00E+00	0.00E+00	8.36E-07	4.66E-08	9.18E-08	0.00E+00	0.00E+00	1.38E-07
13287	499506.95	3733257.21	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	5.75E-07	0.00E+00	0.00E+00	9.12E-07	5.08E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
13288	499530.81	3733257.21	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	6.31E-07	0.00E+00	0.00E+00	1.00E-06	5.58E-08	1.10E-07	0.00E+00	0.00E+00	1.66E-07
13289	499555.86	3733256.02	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	7.00E-07	0.00E+00	0.00E+00	1.11E-06	6.19E-08	1.22E-07	0.00E+00	0.00E+00	1.84E-07
13290	499638.16	3733158.21	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	8.89E-07	0.00E+00	0.00E+00	1.41E-06	7.86E-08	1.55E-07	0.00E+00	0.00E+00	2.33E-07
13291	499616.69	3733158.21	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	7.97E-07	0.00E+00	0.00E+00	1.27E-06	7.05E-08	1.39E-07	0.00E+00	0.00E+00	2.09E-07
13292	499632.19	3732882.69	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	5.18E-07	0.00E+00	0.00E+00	8.22E-07	4.58E-08	9.02E-08	0.00E+00	0.00E+00	1.36E-07
13293	499658.44	3732889.84	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	5.77E-07	0.00E+00	0.00E+00	9.15E-07	5.10E-08	1.00E-07	0.00E+00	0.00E+00	1.51E-07
13294	499559.44	3732891.03	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	4.16E-07	0.00E+00	0.00E+00	6.60E-07	3.68E-08	7.24E-08	0.00E+00	0.00E+00	1.09E-07
13295	499473.56	3732891.03	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	3.28E-07	0.00E+00	0.00E+00	5.20E-07	2.90E-08	5.71E-08	0.00E+00	0.00E+00	8.61E-08
13296	499512.92	3732888.65	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	3.63E-07	0.00E+00	0.00E+00	5.76E-07	3.21E-08	6.32E-08	0.00E+00	0.00E+00	9.53E-08
13297	499490.26	3732864.79	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	3.31E-07	0.00E+00	0.00E+00	5.26E-07	2.93E-08	5.77E-08	0.00E+00	0.00E+00	8.70E-08
13298	499584.48	3732858.83	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	4.27E-07	0.00E+00	0.00E+00	6.77E-07	3.77E-08	7.43E-08	0.00E+00	0.00E+00	1.12E-07
13299	499559.44	3732846.9	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	3.90E-07	0.00E+00	0.00E+00	6.18E-07	3.45E-08	6.79E-08	0.00E+00	0.00E+00	1.02E-07
13300	499535.58	3732836.17	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	3.59E-07	0.00E+00	0.00E+00	5.70E-07	3.18E-08	6.26E-08	0.00E+00	0.00E+00	9.44E-08
13301	499509.34	3732825.43	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.31E-07	0.00E+00	0.00E+00	5.25E-07	2.93E-08	5.76E-08	0.00E+00	0.00E+00	8.69E-08
13302	499484.29	3732813.51	1.8E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	3.06E-07	0.00E+00	0.00E+00	4.86E-07	2.71E-08	5.34E-08	0.00E+00	0.00E+00	8.05E-08
13303	499441.35	3732807.54	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	2.75E-07	0.00E+00	0.00E+00	4.37E-07	2.43E-08	4.80E-08	0.00E+00	0.00E+00	7.23E-08
13304	499411.53	3732812.31	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	2.59E-07	0.00E+00	0.00E+00	4.11E-07	2.29E-08	4.51E-08	0.00E+00	0.00E+00	6.80E-08
13305	499411.53	3732789.65	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	2.53E-07	0.00E+00	0.00E+00	4.01E-07	2.24E-08	4.41E-08	0.00E+00	0.00E+00	6.64E-08
13306	499428.23	3732793.23	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	2.63E-07	0.00E+00	0.00E+00	4.18E-07	2.33E-08	4.58E-08	0.00E+00	0.00E+00	6.91E-08

			UnMitigated		10090	10090	T2				T2L3				T4			
			10086	500234.13	3733339.23	3.45E-03												
			3.45E-03	6.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	6.35E-03	0.00E+00	0.00E+00	5.19E-04	1.11E-03	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4
1	500234.28	3733193.32	3.38E-03	6.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	6.23E-03	0.00E+00	0.00E+00	5.09E-04	1.09E-03	0.00E+00	0.00E+00
2	500294.28	3733193.32	1.90E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.11E-04	0.00E+00	0.00E+00
3	500484.28	3733193.32	5.90E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.89E-05	1.90E-04	0.00E+00	0.00E+00
4	500514.28	3733193.32	5.14E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
5	500544.28	3733193.32	4.52E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
6	500574.28	3733193.32	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
7	500604.28	3733193.32	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
8	500634.28	3733193.32	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
9	500664.28	3733193.32	2.92E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
10	500694.28	3733193.32	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
11	500734.28	3733193.32	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
12	500774.28	3733193.32	2.11E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
13	500814.28	3733193.32	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
14	500854.28	3733193.32	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
15	500894.28	3733193.32	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
16	500934.28	3733193.32	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
17	500974.28	3733193.32	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
18	501054.28	3733193.32	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
19	501094.28	3733193.32	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
20	501129.99	3733193.32	9.82E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
21	501165.71	3733193.32	9.27E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
22	501201.42	3733193.32	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
23	501272.85	3733193.32	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
24	501308.57	3733193.32	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
25	501344.28	3733193.32	7.09E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
26	500232.22	3733179.13	3.40E-03	6.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	6.26E-03	0.00E+00	0.00E+00	5.11E-04	1.09E-03	0.00E+00	0.00E+00
27	500252.22	3733179.13	2.75E-03	5.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03	5.06E-03	0.00E+00	0.00E+00	4.14E-04	8.82E-04	0.00E+00	0.00E+00
28	500343.92	3733134.8	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.32E-04	0.00E+00	0.00E+00
29	500366.02	3733141.08	1.17E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
30	500362.89	3733128.46	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
31	500384.99	3733134.74	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
32	500387.05	3733147.42	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
33	500381.86	3733122.11	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
34	500413.4	3733124.96	9.05E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
35	500415.38	3733137.11	8.87E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
36	500417.35	3733149.27	8.69E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
37	500419.33	3733161.43	8.50E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
38	500410.31	3733112.6	9.28E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
39	500441.89	3733115.71	7.86E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
40	500443.96	3733128.39	7.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
41	500446.02	3733141.08	7.53E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
42	500448.09	3733153.76	7.36E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
43	500450.15	3733166.45	7.19E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
44	500452.22	3733179.13	7.02E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
45	500438.76	3733103.09	8.07E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
46	500470.31	3733105.98	6.90E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
47	500472.3	3733118.24	6.76E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
48	500474.3	3733130.51	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
49	500476.3	3733142.77	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.75E-05	2.08E-04	0.00E+00	0.00E+00
50	500478.29	3733155.03	6.33E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
51	500480.29	3733167.29	6.19E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
52	500482.28	3733179.56	6.05E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
53	500467.21	3733093.57	7.08E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.30E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
54	500498.79	3733096.68	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
55	500500.86	3733109.37	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
56	500502.92	3733122.05	5.84E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
57	500504.99	3733134.74	5.71E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.84E-04	0.00E+00	0.00E+00
58	500507.05	3733147.42	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
59	500509.12	3733160.11	5.46E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.22E-05	1.75E-04	0.00E+00	0.00E+00
60	500511.18	3733172.79	5.33E-04	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
61	500495.66	3733084.06	6.26E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
62	500527.28	3733087.35	5.44E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
63	500529.4	3733100.41	5.32E-04	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.81E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
64	500531.53	3733113.47	5.21E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
65	500533.65	3733126.53	5.09E-04	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
66	500535.78	3733139.59	4.97E-04	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
67	500537.9	3733152.64	4.86E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
68	500540.03	3733165.7	4.75E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
69	500542.15	3733178.76	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
70	500524.11	3733074.54	5.58E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
71	500555.7	3733077.65	4.89E-04	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
72	500557.76	3733090.34	4.78E-04	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.82E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
73	500559.83	3733103.02	4.68E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
74	500561.89	3733115.71	4.58E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
75	500563.96	3733128.39	4.48E-04	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
76	500566.02	3733141.08	4.38E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
77	500568.09	3733153.76	4.29E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
78	500570.15	3733166.45	4.20E-04	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
79	500572.22	3733179.13	4.10E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
80	500552.56	3733065.03	5.01E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
81	500584.17	3733068.3	4.41E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
82	500586.29	3733081.3	4.32E-04	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.95E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
83	500588.41	3733094.3	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
84	500590.52	3733107.3	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
85	500592.64	3733120.31	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
86	500594.76	3733133.31	3.95E-04	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.29E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
87	500596.87	3733146.31	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
88	500598.99	3733159.31	3.79E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
89	500601.11	3733172.32	3.70E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
90	500581.02	3733055.52	4.52E-04	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
91	500612.6	3733058.62	4.00E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
92	500614.66	3733071.31	3.92E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
93	500616.73	3733083.99	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
94	500618.79	3733096.68	3.76E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
95	500620.86	3733109.37	3.69E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.79E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
96	500622.92	3733122.05	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
97	500624.99	3733134.74	3.54E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
98	500627.05	3733147.42	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
99	500629.12	3733160.11	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
100	500631.18	3733172.79	3.32E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
101	500609.47	3733046	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
102	500641.07	3733049.25	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
103	500643.18	3733062.21	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
104	500645.29	3733075.17	3.51E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
105	500647.4	3733088.13	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
106	500649.51	3733101.09	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
107	500651.62	3733114.05	3.30E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
108	500653.73	3733127.01	3.23E-04	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00

109	500655.84	3733139.98	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
110	500657.95	3733152.94	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
111	500660.06	3733165.9	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
112	500662.17	3733178.86	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
113	500637.92	3733036.49	3.74E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
114	500669.5	3733039.6	3.35E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
115	500671.57	3733052.28	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
116	500673.63	3733064.97	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
117	500675.7	3733077.65	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
118	500677.76	3733090.34	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.95E-05	0.00E+00	0.00E+00
119	500679.83	3733103.02	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
120	500681.89	3733115.71	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
121	500683.96	3733128.39	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
122	500686.02	3733141.08	2.86E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.20E-05	0.00E+00	0.00E+00
123	500688.09	3733153.76	2.81E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
124	500690.15	3733166.45	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
125	500692.22	3733179.13	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
126	500666.37	3733026.97	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
127	500707.44	3733026.91	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
128	500709.5	3733039.6	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
129	500711.57	3733052.28	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
130	500713.63	3733064.97	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
131	500715.7	3733077.65	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
132	500717.76	3733090.34	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
133	500719.83	3733103.02	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
134	500721.89	3733115.71	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
135	500723.96	3733128.39	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
136	500726.02	3733141.08	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
137	500728.09	3733153.76	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
138	500730.15	3733166.45	2.44E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
139	500732.22	3733179.13	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
140	500704.31	3733014.29	3.07E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
141	500745.37	3733014.23	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
142	500747.44	3733026.91	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
143	500749.5	3733039.6	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
144	500751.57	3733052.28	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
145	500753.63	3733064.97	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
146	500755.7	3733077.65	2.47E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
147	500757.76	3733090.34	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
148	500759.83	3733103.02	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
149	500761.89	3733115.71	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.52E-05	7.52E-05	0.00E+00	0.00E+00
150	500763.96	3733128.39	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.39E-05	0.00E+00	0.00E+00
151	500766.02	3733141.08	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
152	500768.09	3733153.76	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
153	500770.15	3733166.45	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
154	500772.22	3733179.13	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
155	500742.24	3733001.6	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
156	500783.31	3733001.54	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
157	500785.37	3733014.23	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
158	500787.44	3733026.91	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
159	500789.5	3733039.6	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
160	500791.57	3733052.28	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
161	500793.63	3733064.97	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.22E-05	0.00E+00	0.00E+00
162	500795.7	3733077.65	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
163	500797.76	3733090.34	2.17E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
164	500799.83	3733103.02	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
165	500801.89	3733115.71	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
166	500803.96	3733128.39	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
167	500806.02	3733141.08	2.03E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
168	500808.09	3733153.76	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
169	500810.15	3733166.45	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
170	500812.22	3733179.13	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
171	500780.18	3732988.92	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
172	500821.24	3732988.85	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
173	500823.31	3733001.54	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
174	500825.37	3733014.23	2.17E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
175	500827.44	3733026.91	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
176	500829.5	3733039.6	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
177	500831.57	3733052.28	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
178	500833.63	3733064.97	1.97E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
179	500835.7	3733077.65	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
180	500837.76	3733090.34	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
181	500839.83	3733103.02	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
182	500841.89	3733115.71	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
183	500843.96	3733128.39	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
184	500846.02	3733141.08	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
185	500848.09	3733153.76	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
186	500850.15	3733166.45	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
187	500852.22	3733179.13	1.72E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
188	500818.11	3732976.23	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
189	500859.21	3732976.36	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.39E-05	0.00E+00	0.00E+00
190	500861.33	3732989.41	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.28E-05	0.00E+00	0.00E+00
191	500863.46	3733002.47	1.92E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
192	500865.59	3733015.53	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
193	500867.71	3733028.59	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
194	500869.84	3733041.65	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
195	500871.96	3733054.71	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
196	500874.09	3733067.76	1.77E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
197	500876.21	3733080.82	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
198	500878.34	3733093.88	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
199	500880.46	3733106.94	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
200	500882.59	3733120	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
201	500884.72	3733133.06	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
202	500886.84	3733146.12	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
203	500888.97	3733159.17	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
204	500891.09	3733172.23	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
205	500899.26	3732976.7	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
206	500901.39	3732989.74	1.77E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
207	500903.51	3733002.77	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
208	500905.63	3733015.81	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
209	500907.75	3733028.85	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
210	500909.88	3733041.89	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
211	500912	3733054.92	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
212	500914.12	3733067.96	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
213	500916.24	3733081	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
214	500918.36	3733094.04	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
215	500920.49	3733107.07	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
216	500922.61	3733120.11	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
217	500924.73	3733133.15	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
218	500926.85	3733146.19	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
219	500928.97	3733159.23	1.46E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
220	500931.1	3733172.26	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.64E-05	0.00E+00	0.00E+00

221	500939.31	3732977	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
222	500941.43	3732990.02	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
223	500943.55	3733003.04	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
224	500945.67	3733016.06	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
225	500947.79	3733029.08	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
226	500949.91	3733042.1	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
227	500952.03	3733055.12	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
228	500954.15	3733068.14	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
229	500956.27	3733081.16	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
230	500958.39	3733094.18	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
231	500960.51	3733107.2	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
232	500962.62	3733120.21	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
233	500964.74	3733133.23	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
234	500966.86	3733146.25	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
235	500968.98	3733159.27	1.35E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
236	500971.1	3733172.29	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
237	500979.36	3732977.28	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
238	500981.48	3732990.28	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
239	500983.59	3733003.28	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
240	500985.71	3733016.29	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
241	500987.83	3733029.29	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
242	500989.94	3733042.29	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
243	500992.06	3733055.29	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
244	500994.17	3733068.3	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
245	500996.29	3733081.3	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
246	500998.41	3733094.3	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
247	501000.52	3733107.3	1.30E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.41E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
248	501002.64	3733120.31	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
249	500969.85	3732925.49	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
250	501021.51	3732990.52	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
251	501023.63	3733003.5	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
252	501025.74	3733016.49	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
253	501027.86	3733029.48	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
254	501029.97	3733042.47	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
255	501032.08	3733055.45	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
256	501036.31	3733081.43	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
257	501038.43	3733094.41	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
258	501040.54	3733107.4	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.87E-05	0.00E+00	0.00E+00
259	501042.65	3733120.39	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.79E-05	3.83E-05	0.00E+00	0.00E+00
260	501044.77	3733133.38	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
261	501046.88	3733146.36	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
262	501049	3733159.35	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
263	501048.88	3732912.89	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
264	501050.99	3732925.86	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
265	501053.1	3732938.83	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
266	501057.33	3732964.78	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
267	501059.44	3732977.75	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
268	501061.55	3732990.73	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
269	501072.11	3733055.6	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
270	501076.33	3733081.54	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
271	501078.44	3733094.52	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
272	501080.55	3733107.49	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
273	501084.78	3733133.44	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
274	501086.89	3733146.41	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
275	501089	3733159.39	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
276	501045.72	3732900.12	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
277	501082.74	3732901.52	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
278	501084.84	3732914.43	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
279	501086.94	3732927.33	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.00E-05	0.00E+00	0.00E+00
280	501093.24	3732966.03	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
281	501095.34	3732978.94	1.19E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.81E-05	0.00E+00	0.00E+00
282	501097.44	3732991.84	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
283	501101.64	3733017.64	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
284	501103.74	3733030.54	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
285	501105.84	3733043.45	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
286	501107.94	3733056.35	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
287	501112.14	3733082.15	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
288	501114.24	3733095.05	1.06E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
289	501116.34	3733107.96	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
290	501120.54	3733133.76	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
291	501122.64	3733146.66	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
292	501124.74	3733159.56	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
293	501079.59	3732888.79	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
294	501116.61	3732890.17	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
295	501118.7	3732903	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
296	501120.79	3732915.84	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
297	501122.88	3732928.67	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
298	501129.14	3732967.18	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
299	501131.23	3732980.02	1.11E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
300	501133.32	3732992.86	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
301	501137.5	3733018.53	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
302	501139.59	3733031.37	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
303	501141.68	3733044.2	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
304	501143.77	3733057.04	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
305	501147.95	3733082.71	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
306	501150.04	3733095.55	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
307	501152.13	3733108.38	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
308	501156.31	3733134.06	9.70E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
309	501158.4	3733146.89	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
310	501160.49	3733159.73	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
311	501162.57	3733172.57	9.41E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
312	501113.46	3732877.47	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
313	501150.5	3732878.94	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
314	501152.62	3732891.98	1.13E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
315	501154.74	3732905.01	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
316	501156.86	3732918.05	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
317	501158.98	3732931.09	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
318	501165.35	3732970.2	1.05E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
319	501167.47	3732983.23	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
320	501169.59	3732996.27	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
321	501173.84	3733022.34	9.99E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
322	501175.96	3733035.38	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
323	501178.08	3733048.42	9.77E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
324	501182.33	3733074.49	9.56E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
325	501184.45	3733087.53	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
326	501186.57	3733100.56	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
327	501188.69	3733113.6	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.98E-05	0.00E+00	0.00E+00
328	501197.18	3733165.75	8.90E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
329	501147.33	3732866.14	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
330	501184.36	3732867.58	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
331	501186.47	3732880.55	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.42E-05	0.00E+00	0.00E+00
332	501188.58	3732893.52	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00

333	501190.69	3732906.49	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
334	501192.81	3732919.46	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
335	501194.92	3732932.43	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
336	501201.25	3732971.34	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
337	501203.36	3732984.31	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
338	501205.47	3732997.28	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
339	501209.69	3733023.22	9.41E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
340	501211.8	3733036.18	9.31E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
341	501213.92	3733049.15	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
342	501222.36	3733101.03	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
343	501224.47	3733114	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
344	501226.58	3733126.97	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
345	501228.69	3733139.94	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
346	501230.8	3733152.91	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
347	501232.92	3733165.88	8.43E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
348	501235.03	3733178.85	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
349	501181.21	3732854.81	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
350	501218.23	3732856.22	1.02E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
351	501220.33	3732869.13	1.01E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.25E-05	0.00E+00	0.00E+00
352	501222.43	3732882.04	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
353	501224.53	3732894.95	9.90E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
354	501226.63	3732907.85	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
355	501228.73	3732920.76	9.68E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
356	501230.83	3732933.67	9.58E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
357	501239.24	3732985.3	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
358	501241.34	3732998.21	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
359	501243.44	3733011.11	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.89E-05	0.00E+00	0.00E+00
360	501245.54	3733024.02	8.89E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
361	501247.64	3733036.93	8.80E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
362	501249.74	3733049.84	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
363	501251.84	3733062.74	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
364	501258.14	3733101.47	8.38E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
365	501260.25	3733114.37	8.30E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
366	501266.55	3733153.1	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
367	501268.65	3733166	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
368	501270.75	3733178.91	7.93E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
369	501215.08	3732843.49	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
370	501252.09	3732844.87	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
371	501254.18	3732857.72	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
372	501256.28	3732870.57	9.54E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.06E-05	0.00E+00	0.00E+00
373	501258.37	3732883.42	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
374	501260.46	3732896.27	9.33E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	3.00E-05	0.00E+00	0.00E+00
375	501262.55	3732909.12	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
376	501264.64	3732921.97	9.13E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	1.68E-04	0.00E+00	0.00E+00	1.38E-05	2.93E-05	0.00E+00	0.00E+00
377	501266.73	3732934.82	9.04E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
378	501270.92	3732960.52	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
379	501273.01	3732973.37	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
380	501275.1	3732986.22	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.78E-05	0.00E+00	0.00E+00
381	501277.19	3732999.07	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
382	501291.83	3733089.02	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
383	501293.92	3733101.87	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
384	501296.02	3733114.72	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
385	501298.11	3733127.57	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
386	501300.2	3733140.42	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
387	501302.29	3733153.27	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
388	501304.38	3733166.12	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
389	501306.47	3733178.97	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
390	501248.95	3732832.16	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
391	501285.98	3732833.63	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
392	501288.1	3732846.65	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
393	501290.22	3732859.68	9.09E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
394	501292.34	3732872.7	8.99E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.89E-05	0.00E+00	0.00E+00
395	501294.46	3732885.73	8.90E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
396	501296.58	3732898.75	8.80E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
397	501298.7	3732911.78	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
398	501300.82	3732924.8	8.62E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
399	501302.94	3732937.83	8.53E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
400	501307.18	3732963.88	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
401	501309.3	3732976.91	8.28E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
402	501311.42	3732989.93	8.20E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
403	501313.54	3733002.96	8.11E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
404	501315.66	3733015.98	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
405	501317.78	3733029.01	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
406	501319.9	3733042.03	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
407	501322.02	3733055.06	7.80E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
408	501324.14	3733068.08	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
409	501326.26	3733081.11	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
410	501328.38	3733094.13	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
411	501330.5	3733107.16	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
412	501332.62	3733120.18	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
413	501334.74	3733133.21	7.37E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
414	501336.86	3733146.23	7.31E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
415	501338.98	3733159.26	7.24E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
416	501341.1	3733172.28	7.18E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	1.32E-04	0.00E+00	0.00E+00	1.08E-05	2.31E-05	0.00E+00	0.00E+00
417	501282.82	3732820.84	9.40E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
418	500229.2	3733168.95	3.46E-03	6.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	6.37E-03	0.00E+00	0.00E+00	5.20E-04	1.11E-03	0.00E+00	0.00E+00
419	501024.68	3732969.8	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
420	501201.69	3732923.93	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
421	501236.26	3732914.97	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
422	501269.13	3732899.45	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
423	501303.71	3732890.49	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
424	500342	3733120.27	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
425	500361.69	3733116.75	1.21E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
426	500915.82	3733034.31	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
427	500956.63	3733035.28	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
428	500994.58	3733020.24	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
429	501035.38	3733021.22	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
430	501032.52	3733005.2	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
431	501071.9	3732998.17	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
432	501107.06	3732991.89	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
433	501142.22	3732985.61	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
434	501180.23	3732995.35	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
435	501177.37	3732979.33	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
436	501215.39	3732989.07	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
437	501212.53	3732973.05	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
438	501250.55	3732982.79	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
439	501247.69	3732966.77	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
440	501285.71	3732976.51	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
441	501282.85	3732960.49	8.69E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
442	501320.87	3732970.23	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
443	500323.76	3733120.12	1.53E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.83E-03	0.00E+00	0.00E+00	2.31E-04	4.93E-04	0.00E+00	0.00E+00
444	500440.74	3733163.88	7.57E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00

445	500470.38	3733168.48	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
446	500500.03	3733173.08	5.61E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
447	500529.67	3733177.68	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
448	500559.32	3733182.28	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
449	500562.64	3733160.88	4.35E-04	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
450	500588.96	3733186.88	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
451	500591.18	3733172.61	3.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
452	500618.61	3733191.47	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
453	500620.82	3733177.21	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
454	500648.25	3733196.07	3.06E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
455	500650.47	3733181.81	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
456	500677.9	3733200.67	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
457	500680.11	3733186.41	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
458	500717.43	3733206.81	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.86E-05	0.00E+00	0.00E+00
459	500719.64	3733192.54	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
460	500756.95	3733212.94	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
461	500759.17	3733198.67	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
462	500796.48	3733219.07	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
463	500798.69	3733204.8	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
464	500836.01	3733225.2	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
465	500838.22	3733210.94	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
466	500875.54	3733231.33	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
467	500877.75	3733217.07	1.58E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
468	500915.06	3733237.47	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
469	500917.28	3733223.2	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
470	500954.59	3733243.6	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
471	500956.8	3733229.33	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
472	500994.12	3733249.73	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
473	500996.33	3733235.46	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
474	501033.64	3733255.86	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
475	501035.86	3733241.6	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
476	501108.46	3733267.47	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
477	501110.68	3733253.2	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
478	501143.76	3733272.95	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
479	501145.97	3733258.68	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
480	501214.34	3733283.9	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
481	501216.55	3733269.63	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.66E-05	0.00E+00	0.00E+00
482	501251.84	3733275.11	7.84E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
483	501287.14	3733280.58	7.43E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
484	501320.22	3733300.32	7.04E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.26E-05	0.00E+00	0.00E+00
485	500184.22	3733058.1	3.97E-03	7.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03	7.31E-03	0.00E+00	0.00E+00	5.97E-04	1.27E-03	0.00E+00	0.00E+00
486	500175.1	3733054.31	4.15E-03	7.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-03	7.66E-03	0.00E+00	0.00E+00	6.26E-04	1.33E-03	0.00E+00	0.00E+00
487	500165.97	3733050.52	4.31E-03	7.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-03	7.95E-03	0.00E+00	0.00E+00	6.49E-04	1.39E-03	0.00E+00	0.00E+00
488	500156.84	3733046.73	4.44E-03	8.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-03	8.18E-03	0.00E+00	0.00E+00	6.68E-04	1.43E-03	0.00E+00	0.00E+00
489	500147.72	3733042.93	4.53E-03	8.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03	8.36E-03	0.00E+00	0.00E+00	6.83E-04	1.46E-03	0.00E+00	0.00E+00
490	500138.59	3733039.14	4.61E-03	8.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03	8.49E-03	0.00E+00	0.00E+00	6.94E-04	1.48E-03	0.00E+00	0.00E+00
491	500129.47	3733035.35	4.66E-03	8.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-03	8.59E-03	0.00E+00	0.00E+00	7.02E-04	1.50E-03	0.00E+00	0.00E+00
492	500120.34	3733031.56	4.70E-03	8.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-03	8.66E-03	0.00E+00	0.00E+00	7.07E-04	1.51E-03	0.00E+00	0.00E+00
493	500111.21	3733027.77	4.72E-03	8.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-03	8.71E-03	0.00E+00	0.00E+00	7.11E-04	1.52E-03	0.00E+00	0.00E+00
494	500102.09	3733023.98	4.74E-03	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03	8.73E-03	0.00E+00	0.00E+00	7.13E-04	1.52E-03	0.00E+00	0.00E+00
495	500092.96	3733020.19	4.74E-03	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03	8.73E-03	0.00E+00	0.00E+00	7.13E-04	1.52E-03	0.00E+00	0.00E+00
496	500083.83	3733016.4	4.73E-03	8.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-03	8.72E-03	0.00E+00	0.00E+00	7.12E-04	1.52E-03	0.00E+00	0.00E+00
497	500074.71	3733012.61	4.71E-03	8.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-03	8.69E-03	0.00E+00	0.00E+00	7.10E-04	1.51E-03	0.00E+00	0.00E+00
498	500065.58	3733008.81	4.69E-03	8.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-03	8.64E-03	0.00E+00	0.00E+00	7.06E-04	1.51E-03	0.00E+00	0.00E+00
499	500056.46	3733005.02	4.66E-03	8.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-03	8.59E-03	0.00E+00	0.00E+00	7.01E-04	1.50E-03	0.00E+00	0.00E+00
500	500047.33	3733001.23	4.62E-03	8.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-03	8.51E-03	0.00E+00	0.00E+00	6.95E-04	1.48E-03	0.00E+00	0.00E+00
501	500038.2	3732997.44	4.57E-03	8.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-03	8.43E-03	0.00E+00	0.00E+00	6.88E-04	1.47E-03	0.00E+00	0.00E+00
502	500029.08	3732993.65	4.52E-03	8.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03	8.32E-03	0.00E+00	0.00E+00	6.80E-04	1.45E-03	0.00E+00	0.00E+00
503	500019.95	3732989.86	4.45E-03	8.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-03	8.21E-03	0.00E+00	0.00E+00	6.71E-04	1.43E-03	0.00E+00	0.00E+00
504	500010.82	3732986.07	4.38E-03	8.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-03	8.08E-03	0.00E+00	0.00E+00	6.60E-04	1.41E-03	0.00E+00	0.00E+00
505	500001.7	3732982.28	4.30E-03	7.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-03	7.93E-03	0.00E+00	0.00E+00	6.48E-04	1.38E-03	0.00E+00	0.00E+00
506	499992.57	3732978.49	4.22E-03	7.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-03	7.77E-03	0.00E+00	0.00E+00	6.35E-04	1.35E-03	0.00E+00	0.00E+00
507	499983.45	3732974.69	4.12E-03	7.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-03	7.59E-03	0.00E+00	0.00E+00	6.20E-04	1.32E-03	0.00E+00	0.00E+00
508	499974.32	3732970.9	4.01E-03	7.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-03	7.39E-03	0.00E+00	0.00E+00	6.04E-04	1.29E-03	0.00E+00	0.00E+00
509	499965.19	3732967.11	3.89E-03	7.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03	7.17E-03	0.00E+00	0.00E+00	5.86E-04	1.25E-03	0.00E+00	0.00E+00
510	500224.8	3733060.23	2.89E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	5.33E-03	0.00E+00	0.00E+00	4.35E-04	9.29E-04	0.00E+00	0.00E+00
511	500232.12	3733066.74	2.78E-03	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	5.12E-03	0.00E+00	0.00E+00	4.18E-04	8.92E-04	0.00E+00	0.00E+00
512	500241.19	3733082.89	2.66E-03	4.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	4.91E-03	0.00E+00	0.00E+00	4.01E-04	8.56E-04	0.00E+00	0.00E+00
513	500191.89	3733039.63	3.40E-03	6.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	6.27E-03	0.00E+00	0.00E+00	5.12E-04	1.09E-03	0.00E+00	0.00E+00
514	500182.77	3733035.84	3.54E-03	6.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.52E-03	0.00E+00	0.00E+00	5.32E-04	1.14E-03	0.00E+00	0.00E+00
515	500173.64	3733032.05	3.65E-03	6.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-03	6.73E-03	0.00E+00	0.00E+00	5.50E-04	1.17E-03	0.00E+00	0.00E+00
516	500164.52	3733028.26	3.75E-03	6.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-03	6.91E-03	0.00E+00	0.00E+00	5.64E-04	1.20E-03	0.00E+00	0.00E+00
517	500155.39	3733024.46	3.83E-03	7.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-03	7.05E-03	0.00E+00	0.00E+00	5.76E-04	1.23E-03	0.00E+00	0.00E+00
518	500146.26	3733020.67	3.89E-03	7.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03	7.17E-03	0.00E+00	0.00E+00	5.86E-04	1.25E-03	0.00E+00	0.00E+00
519	500137.14	3733016.88	3.94E-03	7.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-03	7.25E-03	0.00E+00	0.00E+00	5.93E-04	1.26E-03	0.00E+00	0.00E+00
520	500128.01	3733013.09	3.97E-03	7.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03	7.32E-03	0.00E+00	0.00E+00	5.98E-04	1.27E-03	0.00E+00	0.00E+00
521	500118.89	3733009.3	3.99E-03	7.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03	7.36E-03	0.00E+00	0.00E+00	6.01E-04	1.28E-03	0.00E+00	0.00E+00
522	500109.76	3733005.51	4.00E-03	7.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	7.38E-03	0.00E+00	0.00E+00	6.03E-04	1.29E-03	0.00E+00	0.00E+00
523	500100.63	3733001.72	4.01E-03	7.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-03	7.38E-03	0.00E+00	0.00E+00	6.03E-04	1.29E-03	0.00E+00	0.00E+00
524	500091.51	3732997.93	4.00E-03	7.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	7.37E-03	0.00E+00	0.00E+00	6.02E-04	1.28E-03	0.00E+00	0.00E+00
525	500082.38	3732994.14	3.99E-03	7.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03	7.35E-03	0.00E+00	0.00E+00	6.00E-04	1.28E-03	0.00E+00	0.00E+00
526	500073.25	3732990.34	3.96E-03	7.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-03	7.31E-03	0.00E+00	0.00E+00	5.97E-04	1.27E-03	0.00E+00	0.00E+00
527	500064.13	3732986.55	3.94E-03	7.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-03	7.26E-03	0.00E+00	0.00E+00	5.93E-04	1.26E-03	0.00E+00	0.00E+00
528	500055	3732982.76	3.90E-03	7.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	7.19E-03	0.00E+00	0.00E+00	5.87E-04	1.25E-03	0.00E+00	0.00E+00
529	500045.88	3732978.97	3.86E-03	7.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-03	7.11E-03	0.00E+00	0.00E+00	5.81E-04	1.24E-03	0.00E+00	0.00E+00
530	500036.75	3732975.18	3.81E-03	7.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03	7.02E-03	0.00E+00	0.00E+00	5.73E-04	1.22E-03	0.00E+00	0.00E+00
531	500027.62	3732971.39	3.75E-03	6.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-03	6.92E-03	0.00E+00	0.00E+00	5.65E-04	1.21E-03	0.00E+00	0.00E+00
532	500018.5	3732967.6	3.69E-03	6.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03	6.80E-03	0.00E+00	0.00E+00	5.55E-04	1.18E-03	0.00E+00	0.00E+00
533	500009.37	3732963.81	3.62E-03	6.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-03	6.67E-03	0.00E+00	0.00E+00	5.45E-04	1.16E-03	0.00E+00	0.00E+00
534	500000.24	3732960.02	3.54E-03	6.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.52E-03	0.00E+00	0.00E+00	5.33E-04	1.14E-03	0.00E+00	0.00E+00
535	499991.12	3732956.22	3.45E-03	6.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	6.36E-03	0.00E+00	0.00E+00	5.20E-04	1.11E-03	0.00E+00	0.00E+00
536	499981.99	3732952.43	3.36E-03	6.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03	6.18E-03	0.00E+00	0.00E+00	5.05E-04	1.08E-03	0.00E+00	0.00E+00
537	499927.23	3732929.69	2.56E-03	4.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	4.71E-03	0.00E+00	0.00E+00	3.85E-04	8.21E-04	0.00E+00	0.00E+00
538	499918.11	3732925.9	2.38E-03	4.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	4.40E-03	0.00E+00	0.00E+00	3.59E-04	7.66E-04	0.00E+00	0.00E+00
539	499908.98	3732922.1	2.21E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.07E-03	0.00E+00	0.00E+00	3.32E-04	7.09E-04	0.00E+00	0.00E+00
540	499899.86	3732918.31	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.06E-04	6.52E-04	0.00E+00	0.00E+00
541	499890.73	3732914.52	1.86E-03	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.42E-03	0.00E+00	0.00E+00	2.80E-04	5.97E-04	0.00E+00	0.00E+00
542	499881.6	3732910.73	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.44E-04	0.00E+00	0.00E+00
543	499872.48	3732906.94	1.54E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.85E-03	0.00E+00	0.00E+00	2.33E-04	4.96E-04	0.00E+00	0.00E+00
544	500224.33	3733034.53	2.70E-03	4.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.98E-03	0.00E+00	0.00E+00	4.07E-04	8.68E-04	0.00E+00	0.00E+00
545	500237.35	3733046.1	2.56E-03	4.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	4.71E-03	0.00E+00	0.00E+00	3.85E-04	8.21E-04	0.00E+00	0.00E+00
546	500250.38	3733057.67	2.39E-03	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	4.41E-03	0.00E+00	0.00E+00	3.60E-04	7.68E-04	0.00E+00	0.00E+00
547	500258.44	3733072.03	2.31E-03	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.26E-03	0.00E+00	0.00E+00	3.48E-04	7.42E-04	0.00E+00	0.00E+00
548	500261.54	3733089.17	2.31E-03	4.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.25E-03	0.00E+00	0.00E+00	3.47E-04	7.41E-04	0.00E+00	0.00E+00
549	500190.44	3733017.37	3.09E-03	5.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-03	5.70E-03	0.00E+00	0.00E+00	4.66E-04	9.94E-04	0.00E+00	0.00E+00
550	500181.31	3733013.58	3.18E-03	5.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03	5.87E-03	0.00E+00	0.00E+00	4.79E-04	1.02E-03	0.00E+00	0.00E+00
551	500172.19	3733009.79	3.26E-03	6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	6.01E-03	0.00E+00	0.00E+00	4.91E-04	1.05E-03	0.00E+00	0.00E+00
552	500163.06	3733005.99	3.32E-03	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03	6.13E-03	0.00E+00	0.00E+00	5.01E-04	1.07E-03	0.00E+00	0.00E+00
553	500153.94	3733002.2	3.38E-03	6.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	6.22E-03	0.00E+00	0.00E+00	5.08E-04	1.08E-03	0.00E+00	0.00E+00
554	500144.81	3732998.41	3.42E-03	6.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	6.30E-03	0.00E+00	0.00E+00	5.14E-04	1.10E-03	0.00E+00	0.00E+00
555	500135.68	3732994.62	3.45E-03	6.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	6.35E-03	0.00E+00	0.00E+00	5.19E-04	1.11E-03	0.00E+00	0.00E+00
556	500126.56	3732990.83	3.47E-03	6.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	6.39E-03	0.00E+00	0.00E+00	5.22E-04	1.11E-03	0.00E+00	0.00E+00

557	500117.43	3732987.04	3.48E-03	6.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	6.41E-03	0.00E+00	0.00E+00	5.23E-04	1.12E-03	0.00E+00	0.00E+00
558	500108.31	3732983.25	3.48E-03	6.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	6.41E-03	0.00E+00	0.00E+00	5.24E-04	1.12E-03	0.00E+00	0.00E+00
559	500099.18	3732979.46	3.47E-03	6.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	6.40E-03	0.00E+00	0.00E+00	5.23E-04	1.12E-03	0.00E+00	0.00E+00
560	500090.05	3732975.67	3.46E-03	6.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	6.38E-03	0.00E+00	0.00E+00	5.21E-04	1.11E-03	0.00E+00	0.00E+00
561	500080.93	3732971.87	3.44E-03	6.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	6.34E-03	0.00E+00	0.00E+00	5.18E-04	1.11E-03	0.00E+00	0.00E+00
562	500071.8	3732968.08	3.42E-03	6.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	6.30E-03	0.00E+00	0.00E+00	5.14E-04	1.10E-03	0.00E+00	0.00E+00
563	500062.67	3732964.29	3.38E-03	6.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	6.24E-03	0.00E+00	0.00E+00	5.10E-04	1.09E-03	0.00E+00	0.00E+00
564	500053.55	3732960.5	3.35E-03	6.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-03	6.17E-03	0.00E+00	0.00E+00	5.04E-04	1.07E-03	0.00E+00	0.00E+00
565	500044.42	3732956.71	3.30E-03	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03	6.08E-03	0.00E+00	0.00E+00	4.97E-04	1.06E-03	0.00E+00	0.00E+00
566	500035.3	3732952.92	3.25E-03	5.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03	5.99E-03	0.00E+00	0.00E+00	4.89E-04	1.04E-03	0.00E+00	0.00E+00
567	499989.66	3732933.96	2.89E-03	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	5.34E-03	0.00E+00	0.00E+00	4.36E-04	9.30E-04	0.00E+00	0.00E+00
568	499980.54	3732930.17	2.80E-03	5.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.16E-03	0.00E+00	0.00E+00	4.22E-04	9.00E-04	0.00E+00	0.00E+00
569	499971.41	3732926.38	2.70E-03	4.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.98E-03	0.00E+00	0.00E+00	4.07E-04	8.67E-04	0.00E+00	0.00E+00
570	499962.29	3732922.59	2.59E-03	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03	4.78E-03	0.00E+00	0.00E+00	3.90E-04	8.33E-04	0.00E+00	0.00E+00
571	499953.16	3732918.8	2.48E-03	4.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.56E-03	0.00E+00	0.00E+00	3.73E-04	7.95E-04	0.00E+00	0.00E+00
572	499944.03	3732915.01	2.35E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	4.33E-03	0.00E+00	0.00E+00	3.54E-04	7.55E-04	0.00E+00	0.00E+00
573	499934.91	3732911.22	2.22E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.09E-03	0.00E+00	0.00E+00	3.34E-04	7.13E-04	0.00E+00	0.00E+00
574	499925.78	3732907.43	2.09E-03	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.85E-03	0.00E+00	0.00E+00	3.14E-04	6.70E-04	0.00E+00	0.00E+00
575	499916.65	3732903.64	1.95E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.26E-04	0.00E+00	0.00E+00
576	499907.53	3732899.84	1.81E-03	3.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.34E-03	0.00E+00	0.00E+00	2.73E-04	5.82E-04	0.00E+00	0.00E+00
577	499898.4	3732896.05	1.68E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.09E-03	0.00E+00	0.00E+00	2.53E-04	5.39E-04	0.00E+00	0.00E+00
578	499889.28	3732892.26	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
579	499880.15	3732888.47	1.43E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
580	500232.47	3733016.47	2.45E-03	4.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03	4.51E-03	0.00E+00	0.00E+00	3.68E-04	7.86E-04	0.00E+00	0.00E+00
581	500239.45	3733022.67	2.39E-03	4.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	4.40E-03	0.00E+00	0.00E+00	3.60E-04	7.67E-04	0.00E+00	0.00E+00
582	500246.42	3733028.87	2.32E-03	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03	4.28E-03	0.00E+00	0.00E+00	3.50E-04	7.46E-04	0.00E+00	0.00E+00
583	500253.4	3733035.07	2.25E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.16E-03	0.00E+00	0.00E+00	3.39E-04	7.24E-04	0.00E+00	0.00E+00
584	500260.37	3733041.27	2.18E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	4.02E-03	0.00E+00	0.00E+00	3.29E-04	7.01E-04	0.00E+00	0.00E+00
585	500267.35	3733047.47	2.11E-03	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	3.89E-03	0.00E+00	0.00E+00	3.18E-04	6.77E-04	0.00E+00	0.00E+00
586	500275.99	3733062.85	2.03E-03	3.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.75E-03	0.00E+00	0.00E+00	3.06E-04	6.53E-04	0.00E+00	0.00E+00
587	500277.65	3733072.03	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.06E-04	6.52E-04	0.00E+00	0.00E+00
588	500279.31	3733081.22	2.02E-03	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.73E-03	0.00E+00	0.00E+00	3.05E-04	6.50E-04	0.00E+00	0.00E+00
589	500280.97	3733090.4	2.02E-03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.72E-03	0.00E+00	0.00E+00	3.04E-04	6.47E-04	0.00E+00	0.00E+00
590	500282.63	3733099.58	2.01E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.70E-03	0.00E+00	0.00E+00	3.02E-04	6.44E-04	0.00E+00	0.00E+00
591	500284.29	3733108.77	2.00E-03	3.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	3.68E-03	0.00E+00	0.00E+00	3.00E-04	6.41E-04	0.00E+00	0.00E+00
592	500225.49	3733010.27	2.50E-03	4.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03	4.61E-03	0.00E+00	0.00E+00	3.76E-04	8.02E-04	0.00E+00	0.00E+00
593	500188.99	3732995.11	2.83E-03	5.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03	5.21E-03	0.00E+00	0.00E+00	4.26E-04	9.08E-04	0.00E+00	0.00E+00
594	500179.86	3732991.32	2.89E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	5.33E-03	0.00E+00	0.00E+00	4.35E-04	9.28E-04	0.00E+00	0.00E+00
595	500170.73	3732987.52	2.94E-03	5.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03	5.42E-03	0.00E+00	0.00E+00	4.43E-04	9.45E-04	0.00E+00	0.00E+00
596	500161.61	3732983.73	2.99E-03	5.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	5.50E-03	0.00E+00	0.00E+00	4.50E-04	9.59E-04	0.00E+00	0.00E+00
597	500152.48	3732979.94	3.02E-03	5.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	5.57E-03	0.00E+00	0.00E+00	4.55E-04	9.70E-04	0.00E+00	0.00E+00
598	500143.36	3732976.15	3.05E-03	5.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-03	5.61E-03	0.00E+00	0.00E+00	4.59E-04	9.78E-04	0.00E+00	0.00E+00
599	500134.23	3732972.36	3.06E-03	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03	5.65E-03	0.00E+00	0.00E+00	4.61E-04	9.84E-04	0.00E+00	0.00E+00
600	500125.1	3732968.57	3.07E-03	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.66E-03	0.00E+00	0.00E+00	4.63E-04	9.87E-04	0.00E+00	0.00E+00
601	500115.98	3732964.78	3.07E-03	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.67E-03	0.00E+00	0.00E+00	4.63E-04	9.87E-04	0.00E+00	0.00E+00
602	500106.85	3732960.99	3.07E-03	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.66E-03	0.00E+00	0.00E+00	4.62E-04	9.86E-04	0.00E+00	0.00E+00
603	500097.73	3732957.2	3.06E-03	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03	5.64E-03	0.00E+00	0.00E+00	4.61E-04	9.82E-04	0.00E+00	0.00E+00
604	500088.6	3732953.4	3.04E-03	5.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03	5.61E-03	0.00E+00	0.00E+00	4.58E-04	9.77E-04	0.00E+00	0.00E+00
605	500033.84	3732930.66	2.81E-03	5.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	5.19E-03	0.00E+00	0.00E+00	4.24E-04	9.04E-04	0.00E+00	0.00E+00
606	500024.72	3732926.87	2.76E-03	5.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	5.08E-03	0.00E+00	0.00E+00	4.15E-04	8.85E-04	0.00E+00	0.00E+00
607	500015.59	3732923.08	2.69E-03	4.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	4.96E-03	0.00E+00	0.00E+00	4.05E-04	8.65E-04	0.00E+00	0.00E+00
608	500006.46	3732919.29	2.62E-03	4.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	4.84E-03	0.00E+00	0.00E+00	3.95E-04	8.43E-04	0.00E+00	0.00E+00
609	499997.34	3732915.49	2.55E-03	4.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03	4.70E-03	0.00E+00	0.00E+00	3.84E-04	8.18E-04	0.00E+00	0.00E+00
610	499988.21	3732911.7	2.47E-03	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	4.55E-03	0.00E+00	0.00E+00	3.71E-04	7.92E-04	0.00E+00	0.00E+00
611	499979.08	3732907.91	2.38E-03	4.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	4.38E-03	0.00E+00	0.00E+00	3.58E-04	7.64E-04	0.00E+00	0.00E+00
612	499969.96	3732904.12	2.29E-03	4.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	4.21E-03	0.00E+00	0.00E+00	3.44E-04	7.34E-04	0.00E+00	0.00E+00
613	499960.83	3732900.33	2.19E-03	4.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	4.03E-03	0.00E+00	0.00E+00	3.29E-04	7.02E-04	0.00E+00	0.00E+00
614	499951.71	3732896.54	2.08E-03	3.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	3.84E-03	0.00E+00	0.00E+00	3.14E-04	6.69E-04	0.00E+00	0.00E+00
615	499942.58	3732892.75	1.97E-03	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	3.64E-03	0.00E+00	0.00E+00	2.97E-04	6.34E-04	0.00E+00	0.00E+00
616	499933.45	3732888.96	1.86E-03	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
617	499924.33	3732885.17	1.75E-03	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.63E-04	0.00E+00	0.00E+00
618	499915.2	3732881.37	1.64E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.28E-04	0.00E+00	0.00E+00
619	499906.07	3732877.58	1.53E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.83E-03	0.00E+00	0.00E+00	2.31E-04	4.93E-04	0.00E+00	0.00E+00
620	499896.95	3732873.79	1.43E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.15E-04	4.60E-04	0.00E+00	0.00E+00
621	499887.82	3732870	1.33E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
622	500240.49	3732998.31	2.24E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	4.12E-03	0.00E+00	0.00E+00	3.37E-04	7.18E-04	0.00E+00	0.00E+00
623	500247.82	3733004.82	2.19E-03	4.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	4.03E-03	0.00E+00	0.00E+00	3.29E-04	7.02E-04	0.00E+00	0.00E+00
624	500255.14	3733011.33	2.13E-03	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	3.93E-03	0.00E+00	0.00E+00	3.21E-04	6.85E-04	0.00E+00	0.00E+00
625	500262.47	3733017.84	2.07E-03	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.82E-03	0.00E+00	0.00E+00	3.12E-04	6.66E-04	0.00E+00	0.00E+00
626	500269.79	3733024.35	2.01E-03	3.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.71E-03	0.00E+00	0.00E+00	3.03E-04	6.46E-04	0.00E+00	0.00E+00
627	500277.12	3733030.86	1.95E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
628	500284.44	3733037.36	1.88E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.47E-03	0.00E+00	0.00E+00	2.83E-04	6.04E-04	0.00E+00	0.00E+00
629	500293.51	3733053.52	1.81E-03	3.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.34E-03	0.00E+00	0.00E+00	2.72E-04	5.81E-04	0.00E+00	0.00E+00
630	500295.25	3733063.16	1.80E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.79E-04	0.00E+00	0.00E+00
631	500297	3733072.8	1.80E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.31E-03	0.00E+00	0.00E+00	2.70E-04	5.76E-04	0.00E+00	0.00E+00
632	500298.74	3733082.44	1.79E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	3.29E-03	0.00E+00	0.00E+00	2.69E-04	5.73E-04	0.00E+00	0.00E+00
633	500300.48	3733092.09	1.77E-03	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.27E-03	0.00E+00	0.00E+00	2.67E-04	5.70E-04	0.00E+00	0.00E+00
634	500302.23	3733101.73	1.76E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.65E-04	5.65E-04	0.00E+00	0.00E+00
635	500303.97	3733111.37	1.75E-03	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
636	500233.16	3732991.8	2.28E-03	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
637	500224.04	3732988.01	2.35E-03	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	4.34E-03	0.00E+00	0.00E+00	3.54E-04	7.56E-04	0.00E+00	0.00E+00
638	500187.53	3732972.85	2.60E-03	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	4.78E-03	0.00E+00	0.00E+00	3.91E-04	8.33E-04	0.00E+00	0.00E+00
639	500178.41	3732969.05	2.64E-03	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03	4.86E-03	0.00E+00	0.00E+00	3.97E-04	8.47E-04	0.00E+00	0.00E+00
640	500169.28	3732965.26	2.67E-03	4.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	4.93E-03	0.00E+00	0.00E+00	4.03E-04	8.59E-04	0.00E+00	0.00E+00
641	500160.16	3732961.47	2.70E-03	4.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.98E-03	0.00E+00	0.00E+00	4.07E-04	8.68E-04	0.00E+00	0.00E+00
642	500151.03	3732957.68	2.73E-03	5.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03	5.03E-03	0.00E+00	0.00E+00	4.11E-04	8.76E-04	0.00E+00	0.00E+00
643	500141.9	3732953.89	2.74E-03	5.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	5.05E-03	0.00E+00	0.00E+00	4.13E-04	8.80E-04	0.00E+00	0.00E+00
644	500087.15	3732931.14	2.70E-03	4.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.97E-03	0.00E+00	0.00E+00	4.06E-04	8.67E-04	0.00E+00	0.00E+00
645	500078.02	3732927.35	2.67E-03	4.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	4.92E-03	0.00E+00	0.00E+00	4.02E-04	8.58E-04	0.00E+00	0.00E+00
646	500068.89	3732923.56	2.64E-03	4.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03	4.87E-03	0.00E+00	0.00E+00	3.97E-04	8.48E-04	0.00E+00	0.00E+00
647	500059.77	3732919.77	2.60E-03	4.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	4.80E-03	0.00E+00	0.00E+00	3.92E-04	8.36E-04	0.00E+00	0.00E+00
648	500050.64	3732915.98	2.56E-03	4.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	4.72E-03	0.00E+00	0.00E+00	3.86E-04	8.22E-04	0.00E+00	0.00E+00
649	500041.51	3732912.19	2.51E-03	4.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	4.63E-03	0.00E+00	0.00E+00	3.78E-04	8.07E-04	0.00E+00	0.00E+00
650	500032.39	3732908.4	2.46E-03	4.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	4.54E-03	0.00E+00	0.00E+00	3.71E-04	7.91E-04	0.00E+00	0.00E+00
651	500023.26	3732904.61	2.40E-03	4.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	4.43E-03	0.00E+00	0.00E+00	3.62E-04	7.72E-04	0.00E+00	0.00E+00
652	500014.14	3732900.82	2.34E-03	4.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	4.32E-03	0.00E+00	0.00E+00	3.53E-04	7.52E-04	0.00E+00	0.00E+00
653	500005.01	3732897.02	2.28E-03	4.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.19E-03	0.00E+00	0.00E+00	3.43E-04	7.31E-04	0.00E+00	0.00E+00
654	499995.88	3732893.23	2.20E-03	4.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	4.06E-03	0.00E+00	0.00E+00	3.32E-04	7.08E-04	0.00E+00	0.00E+00
655	499986.76	3732889.44	2.13E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	3.92E-03	0.00E+00	0.00E+00	3.20E-04	6.83E-04	0.00E+00	0.00E+00
656	499977.63	3732885.65	2.05E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	3.77E-03	0.00E+00	0.00E+00	3.08E-04	6.57E-04	0.00E+00	0.00E+00
657	499968.5	3732881.86	1.96E-03	3.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	3.62E-03	0.00E+00	0.00E+00	2.95E-04	6.30E-04	0.00E+00	0.00E+00
658	499959.38	3732878.07	1.87E-03	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.02E-04	0.00E+00	0.00E+00
659	499950.25	3732874.28	1.78E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.29E-03	0.00E+00	0.00E+00	2.68E-04	5.73E-04	0.00E+00	0.00E+00
660	499941.13	3732870.49	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.43E-04	0.00E+00	0.00E+00
661	499932	3732866.7	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.13E-04	0.00E+00	0.00E+00
662	499922.87	3732862.9	1.51E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.84E-04	0.00E+00	0.00E+00
663	499913.75	3732859.11	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
664	499904.62	3732855.32	1.33E-03	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
665	499895.49	3732851.53	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00
666	500247.67	3732979.41	2.06E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.80E-03	0.00E+00	0.00E+00	3.10E-04	6.62E-04	0.00E+00	0.00E+00
667	500254.51	3732985.48	2.02E-03	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.73E-03	0.00E+00	0.00E+00	3.05E-04	6.50E-04	0.00E+00	0.00E+00
668	500261.35	3732991.56	1.98E-03	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.66E-03	0.00E+00	0.00E+00	2.99E-04	6.37E-04	0.00E+00	0.00E+00

669	500268.18	3732997.63	1.94E-03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.57E-03	0.00E+00	0.00E+00	2.92E-04	6.23E-04	0.00E+00	0.00E+00
670	500275.02	3733003.71	1.89E-03	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.08E-04	0.00E+00	0.00E+00
671	500281.86	3733009.78	1.84E-03	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.40E-03	0.00E+00	0.00E+00	2.77E-04	5.92E-04	0.00E+00	0.00E+00
672	500288.7	3733015.86	1.79E-03	3.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	3.30E-03	0.00E+00	0.00E+00	2.70E-04	5.75E-04	0.00E+00	0.00E+00
673	500295.53	3733021.93	1.74E-03	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
674	500302.37	3733028.01	1.68E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.10E-03	0.00E+00	0.00E+00	2.53E-04	5.40E-04	0.00E+00	0.00E+00
675	500310.83	3733043.08	1.62E-03	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.21E-04	0.00E+00	0.00E+00
676	500312.46	3733052.08	1.62E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.43E-04	5.19E-04	0.00E+00	0.00E+00
677	500314.09	3733061.08	1.61E-03	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.97E-03	0.00E+00	0.00E+00	2.42E-04	5.17E-04	0.00E+00	0.00E+00
678	500315.71	3733070.08	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
679	500317.34	3733079.08	1.59E-03	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
680	500318.97	3733088.08	1.58E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.06E-04	0.00E+00	0.00E+00
681	500320.59	3733097.08	1.56E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.02E-04	0.00E+00	0.00E+00
682	500322.22	3733106.08	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.97E-04	0.00E+00	0.00E+00
683	500240.84	3732973.33	2.09E-03	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.86E-03	0.00E+00	0.00E+00	3.15E-04	6.72E-04	0.00E+00	0.00E+00
684	500231.71	3732969.54	2.15E-03	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	3.97E-03	0.00E+00	0.00E+00	3.24E-04	6.92E-04	0.00E+00	0.00E+00
685	500222.58	3732965.75	2.21E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.08E-03	0.00E+00	0.00E+00	3.33E-04	7.10E-04	0.00E+00	0.00E+00
686	500140.45	3732931.63	2.48E-03	4.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.58E-03	0.00E+00	0.00E+00	3.74E-04	7.97E-04	0.00E+00	0.00E+00
687	500131.32	3732927.84	2.48E-03	4.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.58E-03	0.00E+00	0.00E+00	3.74E-04	7.98E-04	0.00E+00	0.00E+00
688	500122.2	3732924.05	2.48E-03	4.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.57E-03	0.00E+00	0.00E+00	3.73E-04	7.96E-04	0.00E+00	0.00E+00
689	500113.07	3732920.26	2.47E-03	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	4.55E-03	0.00E+00	0.00E+00	3.72E-04	7.93E-04	0.00E+00	0.00E+00
690	500103.94	3732916.47	2.46E-03	4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	4.53E-03	0.00E+00	0.00E+00	3.70E-04	7.89E-04	0.00E+00	0.00E+00
691	500094.82	3732912.67	2.44E-03	4.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	4.49E-03	0.00E+00	0.00E+00	3.67E-04	7.82E-04	0.00E+00	0.00E+00
692	500085.69	3732908.88	2.41E-03	4.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	4.44E-03	0.00E+00	0.00E+00	3.63E-04	7.74E-04	0.00E+00	0.00E+00
693	500076.57	3732905.09	2.38E-03	4.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	4.39E-03	0.00E+00	0.00E+00	3.59E-04	7.65E-04	0.00E+00	0.00E+00
694	500067.44	3732901.3	2.35E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	4.33E-03	0.00E+00	0.00E+00	3.54E-04	7.54E-04	0.00E+00	0.00E+00
695	500058.31	3732897.51	2.31E-03	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.26E-03	0.00E+00	0.00E+00	3.48E-04	7.42E-04	0.00E+00	0.00E+00
696	500049.19	3732893.72	2.27E-03	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.18E-03	0.00E+00	0.00E+00	3.41E-04	7.28E-04	0.00E+00	0.00E+00
697	500040.06	3732889.93	2.22E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.09E-03	0.00E+00	0.00E+00	3.34E-04	7.13E-04	0.00E+00	0.00E+00
698	500030.93	3732886.14	2.17E-03	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
699	500021.81	3732882.35	2.11E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	3.90E-03	0.00E+00	0.00E+00	3.18E-04	6.79E-04	0.00E+00	0.00E+00
700	500012.68	3732878.55	2.05E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	3.79E-03	0.00E+00	0.00E+00	3.09E-04	6.60E-04	0.00E+00	0.00E+00
701	500003.56	3732874.76	1.99E-03	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	3.67E-03	0.00E+00	0.00E+00	3.00E-04	6.39E-04	0.00E+00	0.00E+00
702	499994.43	3732870.97	1.92E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
703	499985.3	3732867.18	1.85E-03	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.42E-03	0.00E+00	0.00E+00	2.79E-04	5.95E-04	0.00E+00	0.00E+00
704	499976.18	3732863.39	1.78E-03	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.28E-03	0.00E+00	0.00E+00	2.68E-04	5.72E-04	0.00E+00	0.00E+00
705	499967.05	3732859.6	1.71E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.14E-03	0.00E+00	0.00E+00	2.57E-04	5.48E-04	0.00E+00	0.00E+00
706	499957.92	3732855.81	1.63E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
707	499948.8	3732852.02	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
708	499939.67	3732848.23	1.47E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
709	499930.55	3732844.43	1.39E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
710	499921.42	3732840.64	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
711	499912.29	3732836.85	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
712	499903.17	3732833.06	1.17E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
713	500255.61	3732961.17	1.91E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
714	500262.72	3732967.49	1.87E-03	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.02E-04	0.00E+00	0.00E+00
715	500269.82	3732973.8	1.84E-03	3.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.39E-03	0.00E+00	0.00E+00	2.77E-04	5.91E-04	0.00E+00	0.00E+00
716	500276.92	3732980.11	1.80E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
717	500284.03	3732986.42	1.76E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.65E-04	5.65E-04	0.00E+00	0.00E+00
718	500291.13	3732992.73	1.71E-03	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.51E-04	0.00E+00	0.00E+00
719	500298.23	3732999.04	1.67E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.36E-04	0.00E+00	0.00E+00
720	500305.34	3733005.36	1.62E-03	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
721	500312.44	3733011.67	1.57E-03	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.90E-03	0.00E+00	0.00E+00	2.37E-04	5.04E-04	0.00E+00	0.00E+00
722	500319.54	3733017.98	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
723	500328.34	3733033.64	1.47E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.71E-04	0.00E+00	0.00E+00
724	500330.03	3733042.99	1.46E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.68E-04	0.00E+00	0.00E+00
725	500331.72	3733052.34	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.66E-04	0.00E+00	0.00E+00
726	500333.41	3733061.69	1.44E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.17E-04	4.62E-04	0.00E+00	0.00E+00
727	500335.1	3733071.04	1.43E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
728	500336.79	3733080.4	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
729	500338.48	3733089.75	1.40E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.58E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
730	500340.17	3733099.1	1.39E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
731	500341.86	3733108.45	1.37E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.06E-04	4.40E-04	0.00E+00	0.00E+00
732	500193.75	3732932.12	2.18E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	4.02E-03	0.00E+00	0.00E+00	3.29E-04	7.01E-04	0.00E+00	0.00E+00
733	500184.63	3732928.32	2.21E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.07E-03	0.00E+00	0.00E+00	3.32E-04	7.09E-04	0.00E+00	0.00E+00
734	500175.5	3732924.53	2.23E-03	4.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	4.11E-03	0.00E+00	0.00E+00	3.36E-04	7.16E-04	0.00E+00	0.00E+00
735	500166.37	3732920.74	2.24E-03	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	4.14E-03	0.00E+00	0.00E+00	3.38E-04	7.21E-04	0.00E+00	0.00E+00
736	500157.25	3732916.95	2.25E-03	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.15E-03	0.00E+00	0.00E+00	3.39E-04	7.24E-04	0.00E+00	0.00E+00
737	500148.12	3732913.16	2.26E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.16E-03	0.00E+00	0.00E+00	3.40E-04	7.26E-04	0.00E+00	0.00E+00
738	500139	3732909.37	2.26E-03	4.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.17E-03	0.00E+00	0.00E+00	3.40E-04	7.26E-04	0.00E+00	0.00E+00
739	500129.87	3732905.58	2.26E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.16E-03	0.00E+00	0.00E+00	3.40E-04	7.25E-04	0.00E+00	0.00E+00
740	500120.74	3732901.79	2.25E-03	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.14E-03	0.00E+00	0.00E+00	3.38E-04	7.22E-04	0.00E+00	0.00E+00
741	500111.62	3732898	2.23E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	4.12E-03	0.00E+00	0.00E+00	3.36E-04	7.17E-04	0.00E+00	0.00E+00
742	500102.49	3732894.2	2.22E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.08E-03	0.00E+00	0.00E+00	3.34E-04	7.11E-04	0.00E+00	0.00E+00
743	500093.36	3732890.41	2.19E-03	4.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	4.04E-03	0.00E+00	0.00E+00	3.30E-04	7.04E-04	0.00E+00	0.00E+00
744	500084.24	3732886.62	2.17E-03	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	3.99E-03	0.00E+00	0.00E+00	3.26E-04	6.96E-04	0.00E+00	0.00E+00
745	500075.11	3732882.83	2.14E-03	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.94E-03	0.00E+00	0.00E+00	3.22E-04	6.86E-04	0.00E+00	0.00E+00
746	500065.99	3732879.04	2.10E-03	3.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	3.87E-03	0.00E+00	0.00E+00	3.16E-04	6.75E-04	0.00E+00	0.00E+00
747	500056.86	3732875.25	2.06E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.80E-03	0.00E+00	0.00E+00	3.11E-04	6.62E-04	0.00E+00	0.00E+00
748	500047.73	3732871.46	2.02E-03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.72E-03	0.00E+00	0.00E+00	3.04E-04	6.49E-04	0.00E+00	0.00E+00
749	500038.61	3732867.67	1.97E-03	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	3.64E-03	0.00E+00	0.00E+00	2.97E-04	6.34E-04	0.00E+00	0.00E+00
750	500029.48	3732863.88	1.92E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
751	500020.35	3732860.08	1.87E-03	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.01E-04	0.00E+00	0.00E+00
752	500011.23	3732856.29	1.82E-03	3.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.35E-03	0.00E+00	0.00E+00	2.73E-04	5.83E-04	0.00E+00	0.00E+00
753	500002.1	3732852.5	1.76E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.64E-04	5.64E-04	0.00E+00	0.00E+00
754	499992.98	3732848.71	1.70E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.44E-04	0.00E+00	0.00E+00
755	499983.85	3732844.92	1.63E-03	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.01E-03	0.00E+00	0.00E+00	2.46E-04	5.24E-04	0.00E+00	0.00E+00
756	499974.72	3732841.13	1.57E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.03E-04	0.00E+00	0.00E+00
757	499965.6	3732837.34	1.50E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.26E-04	4.81E-04	0.00E+00	0.00E+00
758	499956.47	3732833.55	1.43E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.16E-04	4.60E-04	0.00E+00	0.00E+00
759	499947.34	3732829.76	1.36E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
760	499938.22	3732825.96	1.30E-03	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.17E-04	0.00E+00	0.00E+00
761	499929.09	3732822.17	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.96E-04	0.00E+00	0.00E+00
762	499919.97	3732818.38	1.17E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
763	499910.84	3732814.59	1.11E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.66E-04	3.55E-04	0.00E+00	0.00E+00
764	500278.16	3732955.92	1.71E-03	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.50E-04	0.00E+00	0.00E+00
765	500285.48	3732962.43	1.68E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.09E-03	0.00E+00	0.00E+00	2.53E-04	5.39E-04	0.00E+00	0.00E+00
766	500292.81	3732968.94	1.64E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
767	500300.13	3732975.45	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.15E-04	0.00E+00	0.00E+00
768	500307.46	3732981.95	1.56E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.01E-04	0.00E+00	0.00E+00
769	500314.78	3732988.46	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.87E-04	0.00E+00	0.00E+00
770	500322.11	3732994.97	1.47E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.72E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
771	500329.43	3733001.48	1.43E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
772	500336.76	3733007.99	1.38E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.44E-04	0.00E+00	0.00E+00
773	500345.83	3733024.14	1.33E-03	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
774	500347.57	3733033.79	1.32E-03	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.25E-04	0.00E+00	0.00E+00
775	500349.31	3733043.43	1.31E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.98E-04	4.22E-04	0.00E+00	0.00E+00
776	500351.06	3733053.07	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.19E-04	0.00E+00	0.00E+00
777	500352.8	3733062.71	1.29E-03	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.95E-04	4.15E-04	0.00E+00	0.00E+00
778	500354.54	3733072.36	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
779	500356.29	3733082	1.26E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
780	500358.03	3733091.64	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00

781	500359.77	3733101.29	1.23E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.96E-04	0.00E+00	0.00E+00
782	500256.18	3732936.39	1.79E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	3.31E-03	0.00E+00	0.00E+00	2.70E-04	5.76E-04	0.00E+00	0.00E+00
783	500247.06	3732932.6	1.84E-03	3.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.39E-03	0.00E+00	0.00E+00	2.77E-04	5.90E-04	0.00E+00	0.00E+00
784	500237.93	3732928.81	1.88E-03	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.46E-03	0.00E+00	0.00E+00	2.83E-04	6.03E-04	0.00E+00	0.00E+00
785	500228.8	3732925.02	1.92E-03	3.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.53E-03	0.00E+00	0.00E+00	2.88E-04	6.15E-04	0.00E+00	0.00E+00
786	500219.68	3732921.23	1.95E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.94E-04	6.26E-04	0.00E+00	0.00E+00
787	500192.3	3732909.85	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.05E-04	6.51E-04	0.00E+00	0.00E+00
788	500183.17	3732906.06	2.04E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	3.77E-03	0.00E+00	0.00E+00	3.08E-04	6.56E-04	0.00E+00	0.00E+00
789	500174.05	3732902.27	2.06E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.79E-03	0.00E+00	0.00E+00	3.10E-04	6.60E-04	0.00E+00	0.00E+00
790	500164.92	3732898.48	2.07E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.11E-04	6.63E-04	0.00E+00	0.00E+00
791	500155.79	3732894.69	2.07E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.12E-04	6.65E-04	0.00E+00	0.00E+00
792	500146.67	3732890.9	2.07E-03	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.82E-03	0.00E+00	0.00E+00	3.12E-04	6.65E-04	0.00E+00	0.00E+00
793	500137.54	3732887.11	2.07E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.11E-04	6.63E-04	0.00E+00	0.00E+00
794	500128.42	3732883.32	2.06E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.79E-03	0.00E+00	0.00E+00	3.10E-04	6.61E-04	0.00E+00	0.00E+00
795	500119.29	3732879.53	2.04E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	3.77E-03	0.00E+00	0.00E+00	3.08E-04	6.56E-04	0.00E+00	0.00E+00
796	500110.16	3732875.73	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.05E-04	6.51E-04	0.00E+00	0.00E+00
797	500101.04	3732871.94	2.01E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.70E-03	0.00E+00	0.00E+00	3.02E-04	6.45E-04	0.00E+00	0.00E+00
798	500091.91	3732868.15	1.98E-03	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.65E-03	0.00E+00	0.00E+00	2.99E-04	6.37E-04	0.00E+00	0.00E+00
799	500082.78	3732864.36	1.95E-03	3.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.60E-03	0.00E+00	0.00E+00	2.94E-04	6.28E-04	0.00E+00	0.00E+00
800	500073.66	3732860.57	1.92E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
801	500064.53	3732856.78	1.89E-03	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.48E-03	0.00E+00	0.00E+00	2.84E-04	6.07E-04	0.00E+00	0.00E+00
802	500055.41	3732852.99	1.85E-03	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.41E-03	0.00E+00	0.00E+00	2.79E-04	5.94E-04	0.00E+00	0.00E+00
803	500046.28	3732849.2	1.81E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.81E-04	0.00E+00	0.00E+00
804	500037.15	3732845.41	1.76E-03	3.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.25E-03	0.00E+00	0.00E+00	2.66E-04	5.67E-04	0.00E+00	0.00E+00
805	500028.03	3732841.61	1.72E-03	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
806	500018.9	3732837.82	1.67E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.36E-04	0.00E+00	0.00E+00
807	500009.77	3732834.03	1.62E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.43E-04	5.19E-04	0.00E+00	0.00E+00
808	500000.65	3732830.24	1.56E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.01E-04	0.00E+00	0.00E+00
809	499991.52	3732826.45	1.51E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.77E-03	0.00E+00	0.00E+00	2.27E-04	4.83E-04	0.00E+00	0.00E+00
810	499982.4	3732822.66	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
811	499973.27	3732818.87	1.39E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.46E-04	0.00E+00	0.00E+00
812	499964.14	3732815.08	1.33E-03	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
813	499955.02	3732811.29	1.27E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
814	499945.89	3732807.5	1.21E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
815	499936.76	3732803.7	1.16E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
816	499927.64	3732799.91	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
817	499918.51	3732796.12	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.36E-04	0.00E+00	0.00E+00
818	500270.83	3732924.12	1.65E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
819	500277.81	3732930.32	1.63E-03	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.01E-03	0.00E+00	0.00E+00	2.46E-04	5.24E-04	0.00E+00	0.00E+00
820	500284.78	3732936.52	1.61E-03	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.96E-03	0.00E+00	0.00E+00	2.42E-04	5.16E-04	0.00E+00	0.00E+00
821	500312.69	3732961.32	1.49E-03	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.77E-04	0.00E+00	0.00E+00
822	500319.67	3732967.51	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.66E-04	0.00E+00	0.00E+00
823	500326.64	3732973.71	1.41E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.54E-04	0.00E+00	0.00E+00
824	500333.62	3732979.91	1.38E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
825	500340.59	3732986.11	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.30E-04	0.00E+00	0.00E+00
826	500347.57	3732992.31	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.17E-04	0.00E+00	0.00E+00
827	500354.55	3732998.51	1.26E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
828	500363.18	3733013.89	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
829	500364.84	3733023.08	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
830	500366.5	3733032.26	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.85E-04	0.00E+00	0.00E+00
831	500368.16	3733041.44	1.19E-03	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
832	500369.82	3733050.63	1.18E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.78E-04	3.79E-04	0.00E+00	0.00E+00
833	500371.48	3733059.81	1.17E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
834	500373.14	3733068.99	1.16E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
835	500374.81	3733078.18	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
836	500376.47	3733087.36	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
837	500378.13	3733096.55	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
838	500379.79	3733105.73	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
839	500263.85	3732917.92	1.67E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.08E-03	0.00E+00	0.00E+00	2.52E-04	5.37E-04	0.00E+00	0.00E+00
840	500254.73	3732914.13	1.71E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.15E-03	0.00E+00	0.00E+00	2.57E-04	5.49E-04	0.00E+00	0.00E+00
841	500245.6	3732910.34	1.74E-03	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.63E-04	5.60E-04	0.00E+00	0.00E+00
842	500236.48	3732906.55	1.78E-03	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.27E-03	0.00E+00	0.00E+00	2.67E-04	5.70E-04	0.00E+00	0.00E+00
843	500227.35	3732902.76	1.80E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.80E-04	0.00E+00	0.00E+00
844	500190.84	3732887.59	1.88E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.47E-03	0.00E+00	0.00E+00	2.84E-04	6.05E-04	0.00E+00	0.00E+00
845	500181.72	3732883.8	1.90E-03	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.09E-04	0.00E+00	0.00E+00
846	500172.59	3732880.01	1.90E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.86E-04	6.11E-04	0.00E+00	0.00E+00
847	500163.47	3732876.22	1.91E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
848	500154.34	3732872.43	1.91E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
849	500145.21	3732868.64	1.90E-03	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
850	500136.09	3732864.85	1.89E-03	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.08E-04	0.00E+00	0.00E+00
851	500126.96	3732861.06	1.88E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.47E-03	0.00E+00	0.00E+00	2.83E-04	6.04E-04	0.00E+00	0.00E+00
852	500117.84	3732857.26	1.87E-03	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
853	500108.71	3732853.47	1.85E-03	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.40E-03	0.00E+00	0.00E+00	2.78E-04	5.93E-04	0.00E+00	0.00E+00
854	500099.58	3732849.68	1.82E-03	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.36E-03	0.00E+00	0.00E+00	2.75E-04	5.86E-04	0.00E+00	0.00E+00
855	500090.46	3732845.89	1.80E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
856	500081.33	3732842.1	1.77E-03	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.26E-03	0.00E+00	0.00E+00	2.67E-04	5.69E-04	0.00E+00	0.00E+00
857	500072.2	3732838.31	1.74E-03	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
858	500063.08	3732834.52	1.70E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.14E-03	0.00E+00	0.00E+00	2.57E-04	5.47E-04	0.00E+00	0.00E+00
859	500053.95	3732830.73	1.67E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.35E-04	0.00E+00	0.00E+00
860	500044.83	3732826.94	1.63E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
861	500035.7	3732823.15	1.59E-03	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.92E-03	0.00E+00	0.00E+00	2.39E-04	5.09E-04	0.00E+00	0.00E+00
862	500026.57	3732819.35	1.54E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
863	500017.45	3732815.56	1.49E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
864	500008.32	3732811.77	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.64E-04	0.00E+00	0.00E+00
865	499999.19	3732807.98	1.40E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.49E-04	0.00E+00	0.00E+00
866	499990.07	3732804.19	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.32E-04	0.00E+00	0.00E+00
867	499980.94	3732800.4	1.30E-03	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
868	499971.82	3732796.61	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
869	499962.69	3732792.82	1.19E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.79E-04	3.83E-04	0.00E+00	0.00E+00
870	499953.56	3732789.03	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
871	499944.44	3732785.23	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
872	499935.31	3732781.44	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
873	499926.18	3732777.65	9.92E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.19E-04	0.00E+00	0.00E+00
874	500282.38	3732896.46	1.50E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.26E-04	4.81E-04	0.00E+00	0.00E+00
875	500289.4	3732902.69	1.48E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.76E-04	0.00E+00	0.00E+00
876	500296.42	3732908.93	1.46E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.70E-04	0.00E+00	0.00E+00
877	500303.44	3732915.17	1.44E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
878	500310.46	3732921.41	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
879	500317.48	3732927.64	1.39E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.47E-04	0.00E+00	0.00E+00
880	500324.5	3732933.88	1.36E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
881	500331.52	3732940.12	1.34E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.29E-04	0.00E+00	0.00E+00
882	500352.58	3732958.83	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
883	500359.6	3732965.07	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
884	500366.62	3732971.31	1.18E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
885	500373.64	3732977.55	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
886	500380.66	3732983.78	1.11E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
887	500389.35	3732999.26	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
888	500391.02	3733008.5	1.06E-03	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
889	500392.69	3733017.75	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.38E-04	0.00E+00	0.00E+00
890	500394.37	3733026.99	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
891	500396.04	3733036.23	1.03E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.32E-04	0.00E+00	0.00E+00
892	500397.71	3733045.47	1.02E-03	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00

893	500399.38	3733054.71	1.01E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
894	500401.05	3733063.95	1.00E-03	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
895	500402.72	3733073.19	9.88E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
896	500404.39	3733082.43	9.75E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
897	500406.06	3733091.67	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
898	500407.73	3733100.92	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
899	500275.36	3732890.22	1.51E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
900	500266.24	3732886.43	1.54E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
901	500257.11	3732882.64	1.57E-03	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.90E-03	0.00E+00	0.00E+00	2.37E-04	5.04E-04	0.00E+00	0.00E+00
902	500247.98	3732878.84	1.60E-03	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.13E-04	0.00E+00	0.00E+00
903	500238.86	3732875.05	1.62E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
904	500229.73	3732871.26	1.64E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.02E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
905	500220.61	3732867.47	1.66E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.32E-04	0.00E+00	0.00E+00
906	500193.23	3732856.1	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.43E-04	0.00E+00	0.00E+00
907	500184.1	3732852.31	1.70E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.55E-04	5.45E-04	0.00E+00	0.00E+00
908	500174.97	3732848.52	1.70E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.56E-04	5.45E-04	0.00E+00	0.00E+00
909	500165.85	3732844.72	1.70E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.55E-04	5.45E-04	0.00E+00	0.00E+00
910	500156.72	3732840.93	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.43E-04	0.00E+00	0.00E+00
911	500147.6	3732837.14	1.68E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.10E-03	0.00E+00	0.00E+00	2.54E-04	5.41E-04	0.00E+00	0.00E+00
912	500138.47	3732833.35	1.67E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.08E-03	0.00E+00	0.00E+00	2.52E-04	5.37E-04	0.00E+00	0.00E+00
913	500129.34	3732829.56	1.66E-03	3.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	3.06E-03	0.00E+00	0.00E+00	2.50E-04	5.33E-04	0.00E+00	0.00E+00
914	500120.22	3732825.77	1.64E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.28E-04	0.00E+00	0.00E+00
915	500111.09	3732821.98	1.62E-03	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.45E-04	5.22E-04	0.00E+00	0.00E+00
916	500101.97	3732818.19	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
917	500092.84	3732814.4	1.58E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.07E-04	0.00E+00	0.00E+00
918	500083.71	3732810.6	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
919	500074.59	3732806.81	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
920	500065.46	3732803.02	1.49E-03	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.78E-04	0.00E+00	0.00E+00
921	500056.33	3732799.23	1.45E-03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
922	500047.21	3732795.44	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
923	500038.08	3732791.65	1.38E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
924	500028.96	3732787.86	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
925	500019.83	3732784.07	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
926	500010.7	3732780.28	1.26E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
927	500001.58	3732776.48	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
928	499992.45	3732772.69	1.17E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
929	499983.32	3732768.9	1.13E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
930	499974.2	3732765.11	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
931	499965.07	3732761.32	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
932	499955.95	3732757.53	1.00E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
933	499946.82	3732753.74	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
934	499937.69	3732749.95	9.21E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
935	500293.93	3732868.78	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
936	500300.98	3732875.05	1.35E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.49E-03	0.00E+00	0.00E+00	2.04E-04	4.35E-04	0.00E+00	0.00E+00
937	500308.03	3732881.32	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.01E-04	4.30E-04	0.00E+00	0.00E+00
938	500315.09	3732887.58	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
939	500322.14	3732893.85	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
940	500329.2	3732900.12	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
941	500336.25	3732906.39	1.26E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.04E-04	0.00E+00	0.00E+00
942	500343.3	3732912.66	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.86E-04	3.96E-04	0.00E+00	0.00E+00
943	500350.36	3732918.92	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
944	500357.41	3732925.19	1.18E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
945	500364.46	3732931.46	1.16E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
946	500371.52	3732937.73	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
947	500399.73	3732962.8	1.01E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.25E-04	0.00E+00	0.00E+00
948	500406.79	3732969.07	9.84E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
949	500415.52	3732984.62	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
950	500417.2	3732993.91	9.40E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
951	500418.88	3733003.19	9.32E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
952	500420.56	3733012.48	9.24E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
953	500422.24	3733021.76	9.14E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
954	500423.91	3733031.05	9.05E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
955	500425.59	3733040.34	8.94E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
956	500427.27	3733049.62	8.84E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
957	500428.95	3733058.91	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
958	500430.63	3733068.19	8.61E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
959	500432.31	3733077.48	8.49E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
960	500433.99	3733086.76	8.36E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
961	500286.87	3732862.51	1.38E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.43E-04	0.00E+00	0.00E+00
962	500277.75	3732858.72	1.40E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.59E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
963	500268.62	3732854.93	1.43E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.58E-04	0.00E+00	0.00E+00
964	500259.49	3732851.14	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.64E-04	0.00E+00	0.00E+00
965	500250.37	3732847.35	1.46E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.70E-03	0.00E+00	0.00E+00	2.20E-04	4.70E-04	0.00E+00	0.00E+00
966	500241.24	3732843.56	1.48E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.76E-04	0.00E+00	0.00E+00
967	500232.11	3732839.77	1.49E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
968	500222.99	3732835.98	1.51E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.84E-04	0.00E+00	0.00E+00
969	500186.48	3732820.81	1.53E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.81E-03	0.00E+00	0.00E+00	2.30E-04	4.90E-04	0.00E+00	0.00E+00
970	500177.36	3732817.02	1.52E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.81E-03	0.00E+00	0.00E+00	2.29E-04	4.89E-04	0.00E+00	0.00E+00
971	500168.23	3732813.23	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
972	500159.1	3732809.44	1.51E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
973	500149.98	3732805.65	1.50E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.77E-03	0.00E+00	0.00E+00	2.26E-04	4.82E-04	0.00E+00	0.00E+00
974	500140.85	3732801.86	1.49E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.24E-04	4.79E-04	0.00E+00	0.00E+00
975	500131.73	3732798.06	1.48E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.72E-03	0.00E+00	0.00E+00	2.22E-04	4.74E-04	0.00E+00	0.00E+00
976	500122.6	3732794.27	1.46E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.68E-04	0.00E+00	0.00E+00
977	500113.47	3732790.48	1.44E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.17E-04	4.62E-04	0.00E+00	0.00E+00
978	500104.35	3732786.69	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
979	500095.22	3732782.9	1.39E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
980	500086.1	3732779.11	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
981	500076.97	3732775.32	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
982	500067.84	3732771.53	1.31E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.98E-04	4.21E-04	0.00E+00	0.00E+00
983	500058.72	3732767.74	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
984	500049.59	3732763.94	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00
985	500040.46	3732760.15	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
986	500031.34	3732756.36	1.18E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.79E-04	0.00E+00	0.00E+00
987	500022.21	3732752.57	1.15E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.73E-04	3.68E-04	0.00E+00	0.00E+00
988	500013.09	3732748.78	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
989	500003.96	3732744.99	1.07E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
990	499994.83	3732741.2	1.04E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
991	499985.71	3732737.41	1.00E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
992	499976.58	3732733.62	9.65E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
993	499967.45	3732729.82	9.29E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
994	499958.33	3732726.03	8.93E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
995	499949.2	3732722.24	8.58E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
996	500305.46	3732841.1	1.25E-03	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.89E-04	4.02E-04	0.00E+00	0.00E+00
997	500312.54	3732847.39	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
998	500319.62	3732853.68	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
999	500326.7	3732859.98	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
1000	500333.79	3732866.27	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.85E-04	0.00E+00	0.00E+00
1001	500340.87	3732872.56	1.18E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
1002	500347.95	3732878.85	1.16E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
1003	500355.03	3732885.14	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
1004	500362.11	3732891.44	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.61E-04	0.00E+00	0.00E+00

1005	500369.19	3732897.73	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
1006	500376.27	3732904.02	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
1007	500383.35	3732910.31	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1008	500390.43	3732916.6	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
1009	500397.52	3732922.9	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.23E-04	0.00E+00	0.00E+00
1010	500404.6	3732929.19	9.82E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
1011	500411.68	3732935.48	9.56E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
1012	500418.76	3732941.77	9.30E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
1013	500441.69	3732969.97	8.47E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
1014	500443.37	3732979.29	8.39E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	1.55E-03	0.00E+00	0.00E+00	1.26E-04	2.70E-04	0.00E+00	0.00E+00
1015	500445.06	3732988.61	8.32E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1016	500446.74	3732997.93	8.24E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
1017	500448.43	3733007.26	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
1018	500450.11	3733016.58	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
1019	500451.8	3733025.9	7.96E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
1020	500453.48	3733035.22	7.87E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.53E-04	0.00E+00	0.00E+00
1021	500455.17	3733044.54	7.76E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1022	500456.85	3733053.86	7.66E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
1023	500458.54	3733063.18	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1024	500460.22	3733072.51	7.44E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
1025	500461.91	3733081.83	7.33E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
1026	500298.38	3732834.81	1.26E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
1027	500289.25	3732831.02	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
1028	500280.13	3732827.23	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
1029	500271	3732823.43	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
1030	500261.88	3732819.64	1.33E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
1031	500252.75	3732815.85	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.32E-04	0.00E+00	0.00E+00
1032	500243.62	3732812.06	1.36E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
1033	500234.5	3732808.27	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
1034	500225.37	3732804.48	1.37E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
1035	500188.87	3732789.31	1.38E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
1036	500179.74	3732785.52	1.37E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
1037	500170.61	3732781.73	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
1038	500161.49	3732777.94	1.36E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
1039	500152.36	3732774.15	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.33E-04	0.00E+00	0.00E+00
1040	500143.23	3732770.36	1.33E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
1041	500134.11	3732766.57	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
1042	500124.98	3732762.78	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
1043	500115.86	3732758.99	1.28E-03	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.37E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
1044	500106.73	3732755.2	1.26E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
1045	500097.6	3732751.4	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.98E-04	0.00E+00	0.00E+00
1046	500088.48	3732747.61	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
1047	500079.35	3732743.82	1.19E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.79E-04	3.83E-04	0.00E+00	0.00E+00
1048	500070.23	3732740.03	1.17E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
1049	500061.1	3732736.24	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1050	500051.97	3732732.45	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
1051	500042.85	3732728.66	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
1052	500033.72	3732724.87	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
1053	500024.59	3732721.08	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
1054	500015.47	3732717.28	9.88E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
1055	500006.34	3732713.49	9.57E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
1056	499997.22	3732709.7	9.26E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1057	499988.09	3732705.91	8.94E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
1058	499978.96	3732702.12	8.63E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
1059	499969.84	3732698.33	8.33E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1060	499960.71	3732694.54	8.03E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
1061	500316.99	3732813.41	1.15E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
1062	500324.1	3732819.73	1.15E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
1063	500331.2	3732826.04	1.14E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1064	500338.3	3732832.35	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.61E-04	0.00E+00	0.00E+00
1065	500345.41	3732838.66	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1066	500352.51	3732844.97	1.10E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
1067	500359.61	3732851.29	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
1068	500366.72	3732857.6	1.07E-03	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.42E-04	0.00E+00	0.00E+00
1069	500373.82	3732863.91	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
1070	500380.92	3732870.22	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
1071	500388.02	3732876.53	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
1072	500395.13	3732882.84	9.90E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
1073	500402.23	3732889.16	9.69E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1074	500409.33	3732895.47	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
1075	500416.44	3732901.78	9.26E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1076	500423.54	3732908.09	9.04E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1077	500430.64	3732914.4	8.81E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-04	1.62E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
1078	500437.75	3732920.71	8.58E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1079	500444.85	3732927.03	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1080	500451.95	3732933.34	8.12E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
1081	500459.06	3732939.65	7.90E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1082	500469.54	3732964.66	7.54E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1083	500471.23	3732974.01	7.46E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
1084	500472.92	3732983.36	7.39E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1085	500474.61	3732992.72	7.31E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
1086	500476.3	3733002.07	7.23E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1087	500477.99	3733011.42	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1088	500479.68	3733020.77	7.05E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1089	500481.37	3733030.12	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1090	500483.06	3733039.47	6.86E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
1091	500484.75	3733048.82	6.77E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
1092	500486.44	3733058.17	6.67E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1093	500488.13	3733067.52	6.57E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
1094	500489.82	3733076.87	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
1095	500309.89	3732807.1	1.16E-03	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.73E-04	0.00E+00	0.00E+00
1096	500300.76	3732803.31	1.18E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
1097	500291.64	3732799.52	1.19E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.83E-04	0.00E+00	0.00E+00
1098	500282.51	3732795.73	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
1099	500273.38	3732791.94	1.22E-03	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
1100	500264.26	3732788.15	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
1101	500255.13	3732784.36	1.24E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.28E-03	0.00E+00	0.00E+00	1.87E-04	3.98E-04	0.00E+00	0.00E+00
1102	500246.01	3732780.57	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00
1103	500236.88	3732776.77	1.25E-03	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.88E-04	4.02E-04	0.00E+00	0.00E+00
1104	500227.75	3732772.98	1.25E-03	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
1105	500191.25	3732757.82	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00
1106	500182.12	3732754.03	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
1107	500173	3732750.24	1.24E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
1108	500163.87	3732746.45	1.23E-03	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
1109	500154.74	3732742.65	1.21E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
1110	500145.62	3732738.86	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
1111	500136.49	3732735.07	1.19E-03	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
1112	500127.36	3732731.28	1.17E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
1113	500118.24	3732727.49	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.70E-04	0.00E+00	0.00E+00
1114	500109.11	3732723.7	1.13E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.70E-04	3.64E-04	0.00E+00	0.00E+00
1115	500099.99	3732719.91	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1116	500090.86	3732716.12	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00

1117	500081.73	3732712.33	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
1118	500072.61	3732708.54	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
1119	500063.48	3732704.74	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
1120	500054.36	3732700.95	9.93E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
1121	500045.23	3732697.16	9.67E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1122	500036.1	3732693.37	9.41E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
1123	500026.98	3732689.58	9.14E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	1.68E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
1124	500017.85	3732685.79	8.87E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
1125	500008.72	3732682	8.60E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.59E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1126	499999.6	3732678.21	8.33E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.54E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1127	499990.47	3732674.42	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
1128	499981.35	3732670.62	7.79E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1129	499972.22	3732666.83	7.53E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1130	500328.52	3732785.73	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
1131	500335.64	3732792.05	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.40E-04	0.00E+00	0.00E+00
1132	500342.76	3732798.38	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
1133	500349.88	3732804.71	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
1134	500357.01	3732811.04	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.32E-04	0.00E+00	0.00E+00
1135	500364.13	3732817.37	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
1136	500371.25	3732823.7	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
1137	500378.37	3732830.02	9.94E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
1138	500385.49	3732836.35	9.79E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	1.81E-03	0.00E+00	0.00E+00	1.47E-04	3.15E-04	0.00E+00	0.00E+00
1139	500392.62	3732842.68	9.64E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
1140	500399.74	3732849.01	9.47E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
1141	500406.86	3732855.34	9.30E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
1142	500413.98	3732861.66	9.12E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
1143	500421.1	3732867.99	8.93E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
1144	500428.22	3732874.32	8.74E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
1145	500435.35	3732880.65	8.55E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
1146	500442.47	3732886.98	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1147	500449.59	3732893.31	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
1148	500456.71	3732899.63	7.95E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	1.46E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
1149	500463.83	3732905.96	7.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1150	500470.95	3732912.29	7.54E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1151	500478.08	3732918.62	7.34E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
1152	500485.2	3732924.95	7.13E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1153	500494.01	3732940.65	6.87E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
1154	500497.4	3732959.4	6.74E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
1155	500499.1	3732968.77	6.67E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1156	500500.79	3732978.15	6.60E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
1157	500502.49	3732987.53	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.82E-05	2.09E-04	0.00E+00	0.00E+00
1158	500504.18	3732996.9	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
1159	500505.88	3733006.28	6.36E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
1160	500507.57	3733015.65	6.28E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.16E-03	0.00E+00	0.00E+00	9.46E-05	2.02E-04	0.00E+00	0.00E+00
1161	500509.27	3733025.03	6.20E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
1162	500510.96	3733034.4	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
1163	500512.66	3733043.78	6.02E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
1164	500514.35	3733053.15	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.91E-04	0.00E+00	0.00E+00
1165	500516.05	3733062.53	5.84E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
1166	500321.4	3732779.4	1.07E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.61E-04	3.44E-04	0.00E+00	0.00E+00
1167	500312.27	3732775.61	1.09E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
1168	500303.15	3732771.82	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
1169	500294.02	3732768.03	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1170	500284.89	3732764.23	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
1171	500275.77	3732760.44	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
1172	500266.64	3732756.65	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1173	500257.51	3732752.86	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
1174	500248.39	3732749.07	1.15E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.73E-04	3.68E-04	0.00E+00	0.00E+00
1175	500239.26	3732745.28	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
1176	500230.14	3732741.49	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
1177	500193.63	3732726.32	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1178	500184.5	3732722.53	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
1179	500175.38	3732718.74	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
1180	500166.25	3732714.95	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1181	500157.13	3732711.16	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
1182	500148	3732707.37	1.09E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
1183	500138.87	3732703.58	1.07E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.61E-04	3.44E-04	0.00E+00	0.00E+00
1184	500129.75	3732699.79	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1185	500120.62	3732695.99	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.56E-04	3.34E-04	0.00E+00	0.00E+00
1186	500111.5	3732692.2	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
1187	500102.37	3732688.41	1.00E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
1188	500093.24	3732684.62	9.82E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
1189	500084.12	3732680.83	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
1190	500074.99	3732677.04	9.40E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
1191	500065.86	3732673.25	9.18E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
1192	500056.74	3732669.46	8.95E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
1193	500047.61	3732665.67	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1194	500038.49	3732661.88	8.49E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
1195	500029.36	3732658.08	8.26E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
1196	500020.23	3732654.29	8.02E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
1197	500011.11	3732650.5	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1198	500001.98	3732646.71	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1199	499992.85	3732642.92	7.31E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
1200	499983.73	3732639.13	7.08E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
1201	500340.04	3732758.04	9.90E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
1202	500347.18	3732764.38	9.85E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
1203	500354.32	3732770.72	9.78E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
1204	500361.46	3732777.06	9.71E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
1205	500368.59	3732783.4	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
1206	500375.73	3732789.75	9.52E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04	1.76E-03	0.00E+00	0.00E+00	1.43E-04	3.06E-04	0.00E+00	0.00E+00
1207	500382.87	3732796.09	9.42E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
1208	500390.01	3732802.43	9.30E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
1209	500397.14	3732808.77	9.17E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
1210	500404.28	3732815.11	9.04E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1211	500411.42	3732821.46	8.90E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1212	500418.56	3732827.8	8.75E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
1213	500425.69	3732834.14	8.59E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1214	500432.83	3732840.48	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1215	500439.97	3732846.82	8.26E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
1216	500447.1	3732853.17	8.09E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1217	500454.24	3732859.51	7.92E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1218	500461.38	3732865.85	7.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1219	500468.52	3732872.19	7.56E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1220	500475.65	3732878.54	7.38E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1221	500482.79	3732884.88	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1222	500489.93	3732891.22	7.02E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
1223	500497.07	3732897.56	6.84E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
1224	500504.2	3732903.9	6.66E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1225	500511.34	3732910.25	6.48E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
1226	500520.18	3732925.98	6.24E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.01E-04	0.00E+00	0.00E+00
1227	500521.88	3732935.38	6.19E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
1228	500523.57	3732944.77	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00

1229	500526.97	3732963.57	5.99E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
1230	500528.67	3732972.96	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
1231	500530.37	3732982.36	5.85E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.08E-03	0.00E+00	0.00E+00	8.81E-05	1.88E-04	0.00E+00	0.00E+00
1232	500532.07	3732991.75	5.78E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.85E-04	0.00E+00	0.00E+00
1233	500533.76	3733001.15	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
1234	500535.46	3733010.54	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
1235	500537.16	3733019.94	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
1236	500538.86	3733029.34	5.47E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
1237	500540.56	3733038.73	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
1238	500542.26	3733048.13	5.31E-04	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
1239	500543.96	3733057.52	5.22E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
1240	500549.05	3733085.71	4.98E-04	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
1241	500555.84	3733123.29	4.66E-04	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00
1242	500332.91	3732751.69	9.94E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
1243	500323.78	3732747.9	1.01E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
1244	500314.65	3732744.11	1.02E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
1245	500305.53	3732740.32	1.03E-03	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.55E-04	3.30E-04	0.00E+00	0.00E+00
1246	500296.4	3732736.53	1.04E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.32E-04	0.00E+00	0.00E+00
1247	500287.28	3732732.74	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
1248	500278.15	3732728.95	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
1249	500269.02	3732725.16	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
1250	500259.9	3732721.37	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1251	500250.77	3732717.57	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
1252	500241.64	3732713.78	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
1253	500232.52	3732709.99	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1254	500223.39	3732706.2	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1255	500186.89	3732691.04	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
1256	500177.76	3732687.25	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
1257	500168.63	3732683.45	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
1258	500159.51	3732679.66	1.00E-03	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.21E-04	0.00E+00	0.00E+00
1259	500150.38	3732675.87	9.87E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
1260	500141.26	3732672.08	9.73E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
1261	500132.13	3732668.29	9.58E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
1262	500123	3732664.5	9.42E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
1263	500113.88	3732660.71	9.26E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1264	500104.75	3732656.92	9.08E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.92E-04	0.00E+00	0.00E+00
1265	500095.63	3732653.13	8.90E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1266	500086.5	3732649.33	8.71E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1267	500077.37	3732645.54	8.52E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
1268	500068.25	3732641.75	8.32E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1269	500059.12	3732637.96	8.12E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
1270	500049.99	3732634.17	7.92E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1271	500040.87	3732630.38	7.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
1272	500031.74	3732626.59	7.51E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
1273	500022.62	3732622.8	7.30E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
1274	500013.49	3732619.01	7.09E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1275	500004.36	3732615.21	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1276	499995.24	3732611.42	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1277	500351.57	3732730.34	9.22E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
1278	500358.72	3732736.7	9.18E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
1279	500365.87	3732743.05	9.12E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
1280	500373.02	3732749.41	9.06E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1281	500380.17	3732755.76	8.99E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
1282	500387.32	3732762.11	8.91E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1283	500394.47	3732768.47	8.82E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
1284	500401.62	3732774.82	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1285	500408.77	3732781.18	8.61E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
1286	500415.92	3732787.53	8.50E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
1287	500423.07	3732793.88	8.37E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
1288	500430.23	3732800.24	8.25E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
1289	500437.38	3732806.59	8.11E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1290	500444.53	3732812.95	7.97E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
1291	500451.68	3732819.3	7.83E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
1292	500458.83	3732825.65	7.68E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.41E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
1293	500465.98	3732832.01	7.52E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1294	500473.13	3732838.36	7.37E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1295	500480.28	3732844.72	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1296	500487.43	3732851.07	7.05E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1297	500494.58	3732857.42	6.89E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1298	500501.73	3732863.78	6.72E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
1299	500508.88	3732870.13	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1300	500516.03	3732876.48	6.40E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
1301	500523.19	3732882.84	6.23E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	1.15E-03	0.00E+00	0.00E+00	9.39E-05	2.00E-04	0.00E+00	0.00E+00
1302	500530.34	3732889.19	6.07E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.12E-03	0.00E+00	0.00E+00	9.14E-05	1.95E-04	0.00E+00	0.00E+00
1303	500537.49	3732895.55	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1304	500546.34	3732911.31	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
1305	500548.04	3732920.73	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
1306	500549.74	3732930.14	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
1307	500556.55	3732967.79	5.34E-04	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
1308	500558.25	3732977.21	5.27E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
1309	500559.95	3732986.62	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
1310	500561.65	3732996.03	5.13E-04	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
1311	500563.36	3733005.45	5.06E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
1312	500565.06	3733014.86	4.99E-04	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
1313	500566.76	3733024.27	4.92E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
1314	500568.46	3733033.69	4.84E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
1315	500570.16	3733043.1	4.77E-04	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
1316	500571.86	3733052.52	4.70E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.66E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
1317	500573.57	3733061.93	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
1318	500575.27	3733071.34	4.55E-04	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
1319	500576.97	3733080.76	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
1320	500578.67	3733090.17	4.40E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
1321	500580.37	3733099.58	4.33E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
1322	500583.78	3733118.41	4.19E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
1323	500585.48	3733127.82	4.12E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
1324	500590.58	3733156.06	3.92E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
1325	500344.42	3732723.99	9.25E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1326	500335.29	3732720.2	9.35E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
1327	500326.16	3732716.41	9.44E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
1328	500317.04	3732712.62	9.52E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.06E-04	0.00E+00	0.00E+00
1329	500307.91	3732708.82	9.59E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
1330	500298.78	3732705.03	9.65E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
1331	500289.66	3732701.24	9.70E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1332	500280.53	3732697.45	9.73E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1333	500271.41	3732693.66	9.76E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1334	500262.28	3732689.87	9.77E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
1335	500253.15	3732686.08	9.77E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
1336	500244.03	3732682.29	9.76E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1337	500234.9	3732678.5	9.73E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1338	500225.77	3732674.71	9.69E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1339	500189.27	3732659.54	9.43E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
1340	500180.14	3732655.75	9.34E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00

1341	500171.02	3732651.96	9.24E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1342	500161.89	3732648.17	9.13E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
1343	500152.76	3732644.38	9.00E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
1344	500143.64	3732640.59	8.87E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
1345	500134.51	3732636.79	8.73E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1346	500125.39	3732633	8.59E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1347	500116.26	3732629.21	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1348	500107.13	3732625.42	8.27E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
1349	500098.01	3732621.63	8.11E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1350	500088.88	3732617.84	7.94E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
1351	500079.76	3732614.05	7.77E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1352	500070.63	3732610.26	7.59E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
1353	500061.5	3732606.47	7.41E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
1354	500052.38	3732602.67	7.23E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1355	500043.25	3732598.88	7.04E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1356	500034.12	3732595.09	6.86E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
1357	500025	3732591.3	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
1358	500015.87	3732587.51	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
1359	500006.75	3732583.72	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
1360	500363.09	3732702.65	8.61E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
1361	500370.25	3732709.01	8.57E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
1362	500377.41	3732715.38	8.53E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
1363	500384.57	3732721.74	8.48E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
1364	500391.74	3732728.11	8.42E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
1365	500398.9	3732734.47	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1366	500406.06	3732740.83	8.28E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
1367	500413.22	3732747.2	8.19E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
1368	500420.39	3732753.56	8.10E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1369	500427.55	3732759.93	8.00E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
1370	500434.71	3732766.29	7.90E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1371	500441.87	3732772.66	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1372	500449.04	3732779.02	7.67E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
1373	500456.2	3732785.39	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1374	500463.36	3732791.75	7.42E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
1375	500470.52	3732798.11	7.29E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
1376	500477.69	3732804.48	7.15E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1377	500484.85	3732810.84	7.02E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
1378	500492.01	3732817.21	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1379	500499.17	3732823.57	6.73E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
1380	500506.34	3732829.94	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
1381	500513.5	3732836.3	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
1382	500520.66	3732842.66	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
1383	500527.82	3732849.03	6.15E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.26E-05	1.97E-04	0.00E+00	0.00E+00
1384	500534.98	3732855.39	6.00E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
1385	500542.15	3732861.76	5.85E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.08E-03	0.00E+00	0.00E+00	8.81E-05	1.88E-04	0.00E+00	0.00E+00
1386	500549.31	3732868.12	5.71E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
1387	500556.47	3732874.49	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1388	500563.63	3732880.85	5.42E-04	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
1389	500572.5	3732896.64	5.22E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
1390	500574.21	3732906.07	5.17E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.53E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
1391	500575.91	3732915.5	5.12E-04	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.43E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
1392	500577.61	3732924.93	5.06E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
1393	500579.32	3732934.36	5.00E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
1394	500584.43	3732962.64	4.82E-04	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
1395	500586.14	3732972.07	4.76E-04	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
1396	500587.84	3732981.5	4.70E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.66E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
1397	500589.55	3732990.93	4.64E-04	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
1398	500591.25	3733000.36	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
1399	500592.95	3733009.79	4.51E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
1400	500594.66	3733019.22	4.44E-04	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
1401	500596.36	3733028.64	4.37E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
1402	500598.07	3733038.07	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
1403	500599.77	3733047.5	4.24E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
1404	500601.48	3733056.93	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
1405	500603.18	3733066.36	4.11E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
1406	500604.88	3733075.79	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
1407	500606.59	3733085.22	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
1408	500608.29	3733094.65	3.92E-04	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
1409	500610	3733104.07	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
1410	500611.7	3733113.5	3.79E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
1411	500613.41	3733122.93	3.73E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
1412	500615.11	3733132.36	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
1413	500616.82	3733141.79	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
1414	500618.52	3733151.22	3.56E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
1415	500355.92	3732696.28	8.63E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
1416	500346.8	3732692.49	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1417	500337.67	3732688.7	8.79E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
1418	500328.55	3732684.91	8.86E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
1419	500319.42	3732681.12	8.92E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1420	500310.29	3732677.33	8.97E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
1421	500301.17	3732673.54	9.01E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
1422	500292.04	3732669.75	9.03E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1423	500282.91	3732665.96	9.05E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1424	500273.79	3732662.16	9.06E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1425	500264.66	3732658.37	9.06E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1426	500255.54	3732654.58	9.04E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1427	500246.41	3732650.79	9.02E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1428	500237.28	3732647	8.98E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
1429	500228.16	3732643.21	8.94E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
1430	500191.65	3732628.05	8.66E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04	1.60E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
1431	500182.53	3732624.25	8.57E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
1432	500173.4	3732620.46	8.47E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
1433	500045.63	3732567.39	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
1434	500036.51	3732563.6	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.49E-05	2.02E-04	0.00E+00	0.00E+00
1435	500027.38	3732559.81	6.14E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
1436	500018.25	3732556.01	5.98E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
1437	500374.61	3732674.95	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
1438	500381.78	3732681.33	8.03E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
1439	500388.95	3732687.7	8.00E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
1440	500396.12	3732694.07	7.95E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
1441	500403.3	3732700.45	7.91E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1442	500410.47	3732706.82	7.85E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
1443	500417.64	3732713.19	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1444	500424.81	3732719.57	7.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
1445	500431.99	3732725.94	7.63E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
1446	500439.16	3732732.31	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1447	500446.33	3732738.69	7.46E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
1448	500453.5	3732745.06	7.36E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
1449	500460.68	3732751.43	7.26E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
1450	500467.85	3732757.81	7.15E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1451	500475.02	3732764.18	7.04E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1452	500482.19	3732770.55	6.93E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00

1453	500489.37	3732776.93	6.81E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
1454	500496.54	3732783.3	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1455	500503.71	3732789.67	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1456	500510.88	3732796.05	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
1457	500518.06	3732802.42	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
1458	500525.23	3732808.79	6.18E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
1459	500532.4	3732815.17	6.04E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.10E-05	1.94E-04	0.00E+00	0.00E+00
1460	500539.58	3732821.54	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1461	500546.75	3732827.91	5.78E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
1462	500553.92	3732834.29	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
1463	500561.09	3732840.66	5.51E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.02E-03	0.00E+00	0.00E+00	8.29E-05	1.77E-04	0.00E+00	0.00E+00
1464	500568.27	3732847.03	5.37E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
1465	500575.44	3732853.41	5.24E-04	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.66E-04	0.00E+00	0.00E+00	7.89E-05	1.68E-04	0.00E+00	0.00E+00
1466	500582.61	3732859.78	5.11E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
1467	500589.78	3732866.15	4.98E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
1468	500598.66	3732881.97	4.80E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
1469	500600.37	3732891.41	4.75E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.76E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
1470	500602.08	3732900.85	4.70E-04	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
1471	500603.78	3732910.3	4.65E-04	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.49E-04	0.00E+00	0.00E+00
1472	500605.49	3732919.74	4.60E-04	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
1473	500607.2	3732929.18	4.55E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
1474	500614.02	3732966.95	4.33E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
1475	500615.73	3732976.39	4.27E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
1476	500617.44	3732985.83	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
1477	500619.14	3732995.27	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
1478	500620.85	3733004.72	4.09E-04	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
1479	500622.56	3733014.16	4.03E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
1480	500624.27	3733023.6	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
1481	500625.97	3733033.04	3.91E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
1482	500627.68	3733042.48	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
1483	500629.39	3733051.93	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
1484	500631.09	3733061.37	3.74E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
1485	500632.8	3733070.81	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
1486	500634.51	3733080.25	3.62E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
1487	500636.21	3733089.7	3.56E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.14E-04	0.00E+00	0.00E+00
1488	500637.92	3733099.14	3.51E-04	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
1489	500639.63	3733108.58	3.45E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
1490	500641.33	3733118.02	3.40E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
1491	500643.04	3733127.46	3.35E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
1492	500644.75	3733136.91	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
1493	500646.45	3733146.35	3.24E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
1494	500648.16	3733155.79	3.19E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
1495	500649.87	3733165.23	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
1496	500367.43	3732668.58	8.08E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
1497	500358.31	3732664.79	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
1498	500349.18	3732661	8.21E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
1499	500340.05	3732657.21	8.27E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.66E-04	0.00E+00	0.00E+00
1500	500330.93	3732653.42	8.32E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1501	500321.8	3732649.62	8.36E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1502	500312.68	3732645.83	8.39E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	1.55E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
1503	500303.55	3732642.04	8.41E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
1504	500294.42	3732638.25	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1505	500285.3	3732634.46	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1506	500276.17	3732630.67	8.42E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1507	500194.03	3732596.55	7.98E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
1508	500184.91	3732592.76	7.89E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
1509	500175.78	3732588.97	7.79E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1510	500166.66	3732585.18	7.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
1511	500157.53	3732581.38	7.58E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1512	500148.4	3732577.59	7.47E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
1513	500139.28	3732573.8	7.35E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.35E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
1514	500130.15	3732570.01	7.22E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1515	500121.02	3732566.22	7.09E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1516	500111.9	3732562.43	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1517	500102.77	3732558.64	6.82E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
1518	500093.65	3732554.85	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1519	500084.52	3732551.06	6.54E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
1520	500075.39	3732547.27	6.40E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
1521	500066.27	3732543.47	6.25E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
1522	500057.14	3732539.68	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
1523	500048.02	3732535.89	5.96E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.91E-04	0.00E+00	0.00E+00
1524	500386.12	3732647.26	7.56E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1525	500393.3	3732653.64	7.54E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1526	500400.49	3732660.02	7.51E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
1527	500407.67	3732666.4	7.48E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
1528	500414.85	3732672.78	7.44E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
1529	500422.03	3732679.16	7.39E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1530	500429.21	3732685.54	7.33E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
1531	500436.39	3732691.93	7.27E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.34E-04	0.00E+00	0.00E+00
1532	500443.58	3732698.31	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1533	500450.76	3732704.69	7.13E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1534	500457.94	3732711.07	7.06E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
1535	500465.12	3732717.45	6.97E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
1536	500472.3	3732723.83	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1537	500479.48	3732730.21	6.79E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
1538	500486.67	3732736.6	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1539	500493.85	3732742.98	6.59E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.22E-03	0.00E+00	0.00E+00	9.93E-05	2.12E-04	0.00E+00	0.00E+00
1540	500501.03	3732749.36	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.77E-05	2.08E-04	0.00E+00	0.00E+00
1541	500508.21	3732755.74	6.38E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.61E-05	2.05E-04	0.00E+00	0.00E+00
1542	500515.39	3732762.12	6.27E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.16E-03	0.00E+00	0.00E+00	9.44E-05	2.01E-04	0.00E+00	0.00E+00
1543	500522.57	3732768.5	6.16E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.13E-03	0.00E+00	0.00E+00	9.27E-05	1.98E-04	0.00E+00	0.00E+00
1544	500529.75	3732774.88	6.04E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
1545	500536.94	3732781.26	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
1546	500544.12	3732787.65	5.80E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.86E-04	0.00E+00	0.00E+00
1547	500551.3	3732794.03	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.82E-04	0.00E+00	0.00E+00
1548	500558.48	3732800.41	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1549	500565.66	3732806.79	5.44E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
1550	500572.84	3732813.17	5.32E-04	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
1551	500580.03	3732819.55	5.19E-04	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
1552	500587.21	3732825.93	5.07E-04	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
1553	500594.39	3732832.32	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
1554	500601.57	3732838.7	4.83E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
1555	500608.75	3732845.08	4.71E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
1556	500615.93	3732851.46	4.59E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
1557	500624.82	3732867.29	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
1558	500626.53	3732876.75	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
1559	500628.24	3732886.2	4.34E-04	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
1560	500629.95	3732895.66	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
1561	500631.66	3732905.11	4.25E-04	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.40E-05	1.36E-04	0.00E+00	0.00E+00
1562	500633.37	3732914.56	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
1563	500635.08	3732924.02	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
1564	500636.79	3732933.47	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00

1565	500641.91	3732961.83	3.94E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
1566	500643.62	3732971.29	3.89E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
1567	500645.33	3732980.74	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
1568	500647.04	3732990.2	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
1569	500648.75	3732999.65	3.73E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
1570	500650.46	3733009.1	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
1571	500652.17	3733018.56	3.62E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
1572	500653.88	3733028.01	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
1573	500655.59	3733037.46	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
1574	500657.29	3733046.92	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
1575	500659	3733056.37	3.41E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
1576	500660.71	3733065.83	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
1577	500662.42	3733075.28	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
1578	500664.13	3733084.73	3.26E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
1579	500665.84	3733094.19	3.21E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
1580	500667.55	3733103.64	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
1581	500669.26	3733113.1	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
1582	500670.97	3733122.55	3.06E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
1583	500672.67	3733132	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
1584	500674.38	3733141.46	2.97E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
1585	500676.09	3733150.91	2.93E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.39E-04	0.00E+00	0.00E+00	4.41E-05	9.40E-05	0.00E+00	0.00E+00
1586	500677.8	3733160.37	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
1587	500679.51	3733169.82	2.84E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.12E-05	0.00E+00	0.00E+00
1588	500378.94	3732640.88	7.57E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1589	500369.82	3732637.08	7.64E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
1590	500360.69	3732633.29	7.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
1591	500351.56	3732629.5	7.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1592	500342.44	3732625.71	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1593	500333.31	3732621.92	7.81E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
1594	500296.81	3732606.76	7.87E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.53E-04	0.00E+00	0.00E+00
1595	500287.68	3732602.96	7.86E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
1596	500278.55	3732599.17	7.85E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
1597	500269.43	3732595.38	7.82E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
1598	500260.3	3732591.59	7.79E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1599	500251.17	3732587.8	7.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1600	500242.05	3732584.01	7.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
1601	500232.92	3732580.22	7.66E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
1602	500187.29	3732561.26	7.28E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
1603	500178.16	3732557.47	7.19E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1604	500169.04	3732553.68	7.09E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1605	500159.91	3732549.89	6.99E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
1606	500150.79	3732546.1	6.89E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1607	500141.66	3732542.31	6.77E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
1608	500132.53	3732538.52	6.66E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1609	500123.41	3732534.72	6.54E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
1610	500114.28	3732530.93	6.42E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
1611	500105.15	3732527.14	6.29E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
1612	500096.03	3732523.35	6.17E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.29E-05	1.98E-04	0.00E+00	0.00E+00
1613	500086.9	3732519.56	6.04E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
1614	500077.78	3732515.77	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1615	500068.65	3732511.98	5.78E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
1616	500059.52	3732508.19	5.65E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.81E-04	0.00E+00	0.00E+00
1617	500050.4	3732504.4	5.52E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
1618	500041.27	3732500.61	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
1619	500401.61	3732610.44	6.97E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
1620	500408.94	3732616.95	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1621	500416.26	3732623.46	6.93E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
1622	500423.59	3732629.97	6.91E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
1623	500430.91	3732636.48	6.87E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
1624	500438.24	3732642.99	6.83E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
1625	500445.56	3732649.5	6.79E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
1626	500452.89	3732656.01	6.74E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
1627	500460.21	3732662.52	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1628	500467.54	3732669.03	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
1629	500474.86	3732675.53	6.55E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.87E-05	2.10E-04	0.00E+00	0.00E+00
1630	500482.19	3732682.04	6.48E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
1631	500489.51	3732688.55	6.41E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
1632	500496.84	3732695.06	6.33E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
1633	500504.16	3732701.57	6.24E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.00E-04	0.00E+00	0.00E+00
1634	500511.49	3732708.08	6.15E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.27E-05	1.98E-04	0.00E+00	0.00E+00
1635	500518.81	3732714.59	6.06E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
1636	500526.14	3732721.1	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
1637	500533.47	3732727.61	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.88E-04	0.00E+00	0.00E+00
1638	500540.79	3732734.11	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
1639	500548.12	3732740.62	5.67E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
1640	500555.44	3732747.13	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1641	500562.77	3732753.64	5.46E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
1642	500570.09	3732760.15	5.35E-04	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.85E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
1643	500577.42	3732766.66	5.24E-04	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.65E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
1644	500584.74	3732773.17	5.13E-04	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
1645	500592.07	3732779.68	5.02E-04	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
1646	500599.39	3732786.19	4.91E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.04E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
1647	500606.72	3732792.7	4.80E-04	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
1648	500614.04	3732799.2	4.69E-04	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.06E-05	1.50E-04	0.00E+00	0.00E+00
1649	500621.37	3732805.71	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
1650	500628.69	3732812.22	4.47E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.24E-04	0.00E+00	0.00E+00	6.73E-05	1.44E-04	0.00E+00	0.00E+00
1651	500636.02	3732818.73	4.36E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
1652	500643.34	3732825.24	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
1653	500650.67	3732831.75	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
1654	500659.74	3732847.9	4.01E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
1655	500661.48	3732857.54	3.96E-04	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
1656	500663.22	3732867.19	3.92E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
1657	500664.97	3732876.83	3.88E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
1658	500666.71	3732886.47	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
1659	500668.45	3732896.12	3.79E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
1660	500670.2	3732905.76	3.75E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
1661	500671.94	3732915.4	3.70E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
1662	500673.68	3732925.05	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
1663	500675.43	3732934.69	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
1664	500680.65	3732963.62	3.46E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
1665	500682.4	3732973.26	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
1666	500684.14	3732982.9	3.37E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
1667	500685.88	3732992.55	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
1668	500687.63	3733002.19	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
1669	500689.37	3733011.83	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
1670	500691.11	3733021.47	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
1671	500692.86	3733031.12	3.13E-04	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.01E-04	0.00E+00	0.00E+00
1672	500694.6	3733040.76	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
1673	500696.34	3733050.4	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.76E-05	0.00E+00	0.00E+00
1674	500698.09	3733060.05	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.61E-05	0.00E+00	0.00E+00
1675	500699.83	3733069.69	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
1676	500701.57	3733079.33	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00

1677	500703.32	3733088.98	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
1678	500705.06	3733098.62	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
1679	500706.8	3733108.26	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
1680	500708.54	3733117.9	2.73E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.11E-05	8.78E-05	0.00E+00	0.00E+00
1681	500710.29	3733127.55	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.65E-05	0.00E+00	0.00E+00
1682	500712.03	3733137.19	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.52E-05	0.00E+00	0.00E+00
1683	500713.77	3733146.83	2.61E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.82E-04	0.00E+00	0.00E+00	3.94E-05	8.40E-05	0.00E+00	0.00E+00
1684	500715.52	3733156.48	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
1685	500717.26	3733166.12	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.16E-05	0.00E+00	0.00E+00
1686	500719	3733175.76	2.50E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
1687	500376.03	3732596.35	7.07E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
1688	500366.91	3732592.56	7.11E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1689	500357.78	3732588.77	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.29E-04	0.00E+00	0.00E+00
1690	500348.66	3732584.98	7.17E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1691	500339.53	3732581.19	7.19E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1692	500330.4	3732577.4	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1693	500321.28	3732573.61	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1694	500312.15	3732569.82	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1695	500303.02	3732566.02	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1696	500293.9	3732562.23	7.18E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1697	500284.77	3732558.44	7.16E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1698	500275.65	3732554.65	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1699	500266.52	3732550.86	7.10E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1700	500257.39	3732547.07	7.06E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
1701	500248.27	3732543.28	7.01E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
1702	500239.14	3732539.49	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1703	500230.01	3732535.7	6.90E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
1704	500193.51	3732520.53	6.61E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
1705	500184.38	3732516.74	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.82E-05	2.10E-04	0.00E+00	0.00E+00
1706	500175.26	3732512.95	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
1707	500166.13	3732509.16	6.34E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
1708	500157	3732505.37	6.25E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
1709	500147.88	3732501.58	6.15E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.26E-05	1.97E-04	0.00E+00	0.00E+00
1710	500138.75	3732497.79	6.05E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.11E-03	0.00E+00	0.00E+00	9.10E-05	1.94E-04	0.00E+00	0.00E+00
1711	500129.63	3732493.99	5.94E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
1712	500120.5	3732490.2	5.83E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
1713	500111.37	3732486.41	5.72E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.06E-03	0.00E+00	0.00E+00	8.62E-05	1.84E-04	0.00E+00	0.00E+00
1714	500102.25	3732482.62	5.61E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.45E-05	1.80E-04	0.00E+00	0.00E+00
1715	500093.12	3732478.83	5.50E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
1716	500083.99	3732475.04	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
1717	500074.87	3732471.25	5.27E-04	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
1718	500065.74	3732467.46	5.16E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
1719	500056.62	3732463.67	5.05E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
1720	500416.89	3732573.45	6.45E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
1721	500424.16	3732579.9	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
1722	500431.42	3732586.36	6.42E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.67E-05	2.06E-04	0.00E+00	0.00E+00
1723	500453.21	3732605.72	6.35E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
1724	500460.47	3732612.17	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
1725	500467.73	3732618.62	6.27E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.16E-03	0.00E+00	0.00E+00	9.44E-05	2.01E-04	0.00E+00	0.00E+00
1726	500474.99	3732625.08	6.23E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	1.15E-03	0.00E+00	0.00E+00	9.38E-05	2.00E-04	0.00E+00	0.00E+00
1727	500482.26	3732631.53	6.18E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
1728	500489.52	3732637.98	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
1729	500496.78	3732644.44	6.07E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
1730	500504.05	3732650.89	6.00E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.04E-05	1.93E-04	0.00E+00	0.00E+00
1731	500511.31	3732657.34	5.94E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
1732	500518.57	3732663.8	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
1733	500525.83	3732670.25	5.79E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
1734	500533.1	3732676.7	5.72E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.05E-03	0.00E+00	0.00E+00	8.61E-05	1.84E-04	0.00E+00	0.00E+00
1735	500540.36	3732683.16	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
1736	500547.62	3732689.61	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
1737	500554.88	3732696.06	5.47E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
1738	500562.15	3732702.52	5.38E-04	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.92E-04	0.00E+00	0.00E+00	8.10E-05	1.73E-04	0.00E+00	0.00E+00
1739	500569.41	3732708.97	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
1740	500576.67	3732715.42	5.20E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
1741	500583.93	3732721.88	5.10E-04	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.41E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
1742	500591.2	3732728.33	5.01E-04	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
1743	500598.46	3732734.78	4.91E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
1744	500605.72	3732741.24	4.82E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
1745	500612.98	3732747.69	4.72E-04	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
1746	500620.25	3732754.14	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
1747	500627.51	3732760.6	4.53E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
1748	500634.77	3732767.05	4.43E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
1749	500642.03	3732773.5	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
1750	500649.3	3732779.96	4.23E-04	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
1751	500656.56	3732786.41	4.14E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
1752	500663.82	3732792.86	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
1753	500671.09	3732799.32	3.95E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
1754	500678.35	3732805.77	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
1755	500685.61	3732812.22	3.76E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
1756	500694.6	3732828.24	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
1757	500696.33	3732837.8	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
1758	500698.06	3732847.36	3.56E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.14E-04	0.00E+00	0.00E+00
1759	500699.79	3732856.92	3.53E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
1760	500701.51	3732866.48	3.49E-04	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
1761	500703.24	3732876.04	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
1762	500704.97	3732885.6	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
1763	500706.7	3732895.16	3.37E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
1764	500708.43	3732904.72	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
1765	500710.16	3732914.28	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
1766	500711.88	3732923.84	3.24E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
1767	500713.61	3732933.4	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
1768	500718.8	3732962.08	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
1769	500720.52	3732971.64	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
1770	500722.25	3732981.21	2.99E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.61E-05	0.00E+00	0.00E+00
1771	500723.98	3732990.77	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
1772	500725.71	3733000.33	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
1773	500727.44	3733009.89	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
1774	500729.17	3733019.45	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
1775	500730.89	3733029.01	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
1776	500732.62	3733038.57	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
1777	500734.35	3733048.13	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
1778	500736.08	3733057.69	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
1779	500737.81	3733067.25	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
1780	500739.53	3733076.81	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
1781	500741.26	3733086.37	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
1782	500742.99	3733095.93	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.09E-05	0.00E+00	0.00E+00
1783	500744.72	3733105.49	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
1784	500746.45	3733115.05	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
1785	500748.18	3733124.61	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
1786	500749.9	3733134.17	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
1787	500751.63	3733143.73	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
1788	500753.36	3733153.3	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00

1789	500755.09	3733162.86	2.29E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
1790	500756.82	3733172.42	2.26E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.24E-05	0.00E+00	0.00E+00
1791	500758.55	3733181.98	2.23E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
1792	500409.63	3732567	6.45E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.72E-05	2.07E-04	0.00E+00	0.00E+00
1793	500400.51	3732563.2	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
1794	500391.38	3732559.41	6.53E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.83E-05	2.10E-04	0.00E+00	0.00E+00
1795	500382.25	3732555.62	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1796	500373.13	3732551.83	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
1797	500364	3732548.04	6.61E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
1798	500354.87	3732544.25	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
1799	500345.75	3732540.46	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
1800	500336.62	3732536.67	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
1801	500327.5	3732532.88	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
1802	500318.37	3732529.09	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
1803	500309.24	3732525.29	6.61E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
1804	500300.12	3732521.5	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
1805	500290.99	3732517.71	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1806	500281.86	3732513.92	6.53E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.83E-05	2.10E-04	0.00E+00	0.00E+00
1807	500272.74	3732510.13	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
1808	500263.61	3732506.34	6.45E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.72E-05	2.07E-04	0.00E+00	0.00E+00
1809	500254.49	3732502.55	6.41E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.64E-05	2.06E-04	0.00E+00	0.00E+00
1810	500245.36	3732498.76	6.35E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.57E-05	2.04E-04	0.00E+00	0.00E+00
1811	500236.23	3732494.97	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
1812	500190.6	3732476.01	5.95E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.96E-05	1.91E-04	0.00E+00	0.00E+00
1813	500181.48	3732472.22	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
1814	500172.35	3732468.43	5.78E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
1815	500163.22	3732464.64	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
1816	500154.1	3732460.85	5.61E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.45E-05	1.80E-04	0.00E+00	0.00E+00
1817	500144.97	3732457.05	5.52E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
1818	500135.84	3732453.26	5.42E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	1.00E-03	0.00E+00	0.00E+00	8.17E-05	1.74E-04	0.00E+00	0.00E+00
1819	500126.72	3732449.47	5.33E-04	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
1820	500117.59	3732445.68	5.23E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
1821	500108.47	3732441.89	5.13E-04	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
1822	500099.34	3732438.1	5.04E-04	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.28E-04	0.00E+00	0.00E+00	7.58E-05	1.62E-04	0.00E+00	0.00E+00
1823	500090.21	3732434.31	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
1824	500081.09	3732430.52	4.84E-04	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.92E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
1825	500071.96	3732426.73	4.74E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
1826	500432.36	3732536.62	5.99E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
1827	500439.75	3732543.18	5.98E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
1828	500447.13	3732549.74	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
1829	500454.52	3732556.3	5.95E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.96E-05	1.91E-04	0.00E+00	0.00E+00
1830	500461.9	3732562.87	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.91E-04	0.00E+00	0.00E+00
1831	500469.28	3732569.43	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1832	500476.67	3732575.99	5.88E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
1833	500498.82	3732595.68	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
1834	500506.21	3732602.24	5.72E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.05E-03	0.00E+00	0.00E+00	8.61E-05	1.84E-04	0.00E+00	0.00E+00
1835	500513.59	3732608.8	5.67E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.05E-03	0.00E+00	0.00E+00	8.54E-05	1.82E-04	0.00E+00	0.00E+00
1836	500520.98	3732615.36	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
1837	500528.36	3732621.92	5.56E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.02E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1838	500535.75	3732628.48	5.50E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
1839	500543.13	3732635.05	5.43E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
1840	500550.52	3732641.61	5.37E-04	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
1841	500557.9	3732648.17	5.29E-04	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
1842	500565.29	3732654.73	5.22E-04	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
1843	500572.67	3732661.29	5.14E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
1844	500580.06	3732667.86	5.07E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.34E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
1845	500587.44	3732674.42	4.99E-04	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
1846	500594.83	3732680.98	4.90E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
1847	500602.21	3732687.54	4.82E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
1848	500609.6	3732694.1	4.74E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
1849	500616.98	3732700.67	4.65E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
1850	500624.36	3732707.23	4.56E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
1851	500631.75	3732713.79	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
1852	500639.13	3732720.35	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
1853	500646.52	3732726.91	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
1854	500653.9	3732733.47	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
1855	500661.29	3732740.04	4.12E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.21E-05	1.32E-04	0.00E+00	0.00E+00
1856	500668.67	3732746.6	4.03E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.44E-04	0.00E+00	0.00E+00	6.07E-05	1.30E-04	0.00E+00	0.00E+00
1857	500676.06	3732753.16	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
1858	500683.44	3732759.72	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
1859	500690.83	3732766.28	3.77E-04	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.95E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
1860	500698.21	3732772.85	3.69E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.79E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
1861	500705.6	3732779.41	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
1862	500712.98	3732785.97	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
1863	500720.37	3732792.53	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
1864	500729.51	3732808.82	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
1865	500731.27	3732818.54	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
1866	500733.02	3732828.26	3.25E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
1867	500734.78	3732837.98	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
1868	500736.54	3732847.7	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
1869	500738.3	3732857.42	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
1870	500740.05	3732867.14	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
1871	500741.81	3732876.86	3.07E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.62E-05	9.86E-05	0.00E+00	0.00E+00
1872	500743.57	3732886.59	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
1873	500745.32	3732896.31	3.00E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
1874	500747.08	3732906.03	2.96E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
1875	500748.84	3732915.75	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
1876	500750.6	3732925.47	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
1877	500752.35	3732935.19	2.85E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
1878	500757.63	3732964.36	2.73E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
1879	500759.38	3732974.08	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
1880	500761.14	3732983.8	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
1881	500762.9	3732993.52	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
1882	500764.65	3733003.24	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
1883	500766.41	3733012.96	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
1884	500768.17	3733022.69	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
1885	500769.93	3733032.41	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
1886	500771.68	3733042.13	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
1887	500773.44	3733051.85	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.73E-05	0.00E+00	0.00E+00
1888	500775.2	3733061.57	2.37E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.38E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
1889	500776.96	3733071.29	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.52E-05	0.00E+00	0.00E+00
1890	500778.71	3733081.01	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.48E-05	7.41E-05	0.00E+00	0.00E+00
1891	500780.47	3733090.73	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.31E-05	0.00E+00	0.00E+00
1892	500782.23	3733100.46	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
1893	500783.99	3733110.18	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
1894	500785.74	3733119.9	2.18E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
1895	500787.5	3733129.62	2.16E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
1896	500789.26	3733139.34	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
1897	500791.01	3733149.06	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
1898	500792.77	3733158.78	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
1899	500794.53	3733168.51	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
1900	500796.29	3733178.23	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00

1901	500798.04	3733187.95	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
1902	500424.98	3732530.06	5.99E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
1903	500415.85	3732526.27	6.02E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
1904	500406.72	3732522.47	6.05E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
1905	500397.6	3732518.68	6.08E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.15E-05	1.95E-04	0.00E+00	0.00E+00
1906	500388.47	3732514.89	6.10E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
1907	500379.35	3732511.1	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
1908	500370.22	3732507.31	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
1909	500361.09	3732503.52	6.13E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
1910	500351.97	3732499.73	6.13E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
1911	500342.84	3732495.94	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
1912	500333.71	3732492.15	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.96E-04	0.00E+00	0.00E+00
1913	500324.59	3732488.35	6.10E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
1914	500315.46	3732484.56	6.08E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
1915	500306.34	3732480.77	6.06E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.95E-04	0.00E+00	0.00E+00
1916	500297.21	3732476.98	6.03E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.08E-05	1.94E-04	0.00E+00	0.00E+00
1917	500288.08	3732473.19	6.00E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
1918	500278.96	3732469.4	5.96E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
1919	500269.83	3732465.61	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
1920	500260.7	3732461.82	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
1921	500251.58	3732458.03	5.82E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	1.07E-03	0.00E+00	0.00E+00	8.77E-05	1.87E-04	0.00E+00	0.00E+00
1922	500242.45	3732454.23	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
1923	500233.33	3732450.44	5.71E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
1924	500196.82	3732435.28	5.45E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
1925	500187.69	3732431.49	5.38E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
1926	500178.57	3732427.7	5.30E-04	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.77E-04	0.00E+00	0.00E+00	7.98E-05	1.70E-04	0.00E+00	0.00E+00
1927	500169.44	3732423.91	5.22E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
1928	500160.32	3732420.11	5.14E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
1929	500151.19	3732416.32	5.06E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
1930	500142.06	3732412.53	4.98E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
1931	500132.94	3732408.74	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
1932	500123.81	3732404.95	4.81E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
1933	500114.68	3732401.16	4.72E-04	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
1934	500105.56	3732397.37	4.63E-04	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
1935	500096.43	3732393.58	4.54E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
1936	500087.31	3732389.79	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
1937	500447.65	3732499.63	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
1938	500454.97	3732506.13	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
1939	500462.3	3732512.64	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
1940	500469.62	3732519.15	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
1941	500476.95	3732525.66	5.54E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.34E-05	1.78E-04	0.00E+00	0.00E+00
1942	500484.27	3732532.17	5.52E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
1943	500491.6	3732538.68	5.50E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.77E-04	0.00E+00	0.00E+00
1944	500498.92	3732545.19	5.47E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
1945	500506.25	3732551.7	5.44E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
1946	500513.57	3732558.21	5.40E-04	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
1947	500520.9	3732564.72	5.37E-04	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
1948	500528.22	3732571.22	5.33E-04	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
1949	500550.2	3732590.75	5.18E-04	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
1950	500557.52	3732597.26	5.13E-04	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
1951	500564.85	3732603.77	5.07E-04	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
1952	500572.17	3732610.28	5.01E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
1953	500579.5	3732616.79	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
1954	500586.83	3732623.3	4.88E-04	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
1955	500594.15	3732629.81	4.82E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
1956	500601.48	3732636.31	4.75E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
1957	500608.8	3732642.82	4.68E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
1958	500616.13	3732649.33	4.60E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.49E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
1959	500623.45	3732655.84	4.53E-04	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
1960	500630.78	3732662.35	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
1961	500638.1	3732668.86	4.38E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
1962	500645.43	3732675.37	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
1963	500652.75	3732681.88	4.23E-04	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
1964	500660.08	3732688.39	4.15E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
1965	500667.4	3732694.89	4.07E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
1966	500674.73	3732701.4	3.99E-04	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
1967	500682.05	3732707.91	3.91E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
1968	500689.38	3732714.42	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
1969	500696.7	3732720.93	3.75E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
1970	500704.03	3732727.44	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
1971	500711.35	3732733.95	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
1972	500718.68	3732740.46	3.52E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
1973	500726	3732746.97	3.44E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
1974	500733.33	3732753.48	3.37E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
1975	500740.65	3732759.98	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
1976	500747.98	3732766.49	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
1977	500755.31	3732773	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
1978	500764.37	3732789.15	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
1979	500766.12	3732798.8	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
1980	500767.86	3732808.44	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
1981	500769.6	3732818.08	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
1982	500771.35	3732827.73	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
1983	500773.09	3732837.37	2.89E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.27E-05	0.00E+00	0.00E+00
1984	500774.83	3732847.01	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
1985	500776.58	3732856.66	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
1986	500778.32	3732866.3	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
1987	500780.06	3732875.94	2.75E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
1988	500781.8	3732885.58	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
1989	500783.55	3732895.23	2.69E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
1990	500785.29	3732904.87	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
1991	500787.03	3732914.51	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
1992	500788.78	3732924.16	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
1993	500790.52	3732933.8	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
1994	500797.49	3732972.37	2.42E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.78E-05	0.00E+00	0.00E+00
1995	500799.24	3732982.01	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
1996	500800.98	3732991.66	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
1997	500802.72	3733001.3	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
1998	500804.47	3733010.94	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00
1999	500806.21	3733020.59	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
2000	500807.95	3733030.23	2.23E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.18E-05	0.00E+00	0.00E+00
2001	500809.69	3733039.87	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
2002	500811.44	3733049.51	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
2003	500813.18	3733059.16	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
2004	500814.92	3733068.8	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
2005	500816.67	3733078.44	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
2006	500818.41	3733088.09	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.62E-05	0.00E+00	0.00E+00
2007	500820.15	3733097.73	2.04E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.54E-05	0.00E+00	0.00E+00
2008	500821.9	3733107.37	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.03E-05	6.45E-05	0.00E+00	0.00E+00
2009	500823.64	3733117.02	1.98E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
2010	500825.38	3733126.66	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
2011	500827.13	3733136.3	1.93E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
2012	500828.87	3733145.94	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00

2013	500830.61	3733155.59	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
2014	500832.36	3733165.23	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
2015	500834.1	3733174.87	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
2016	500835.84	3733184.52	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
2017	500837.58	3733194.16	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
2018	500440.32	3732493.12	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
2019	500431.19	3732489.33	5.60E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.43E-05	1.80E-04	0.00E+00	0.00E+00
2020	500422.07	3732485.53	5.63E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
2021	500412.94	3732481.74	5.65E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
2022	500403.82	3732477.95	5.66E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
2023	500394.69	3732474.16	5.67E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.05E-03	0.00E+00	0.00E+00	8.54E-05	1.82E-04	0.00E+00	0.00E+00
2024	500385.56	3732470.37	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.55E-05	1.82E-04	0.00E+00	0.00E+00
2025	500376.44	3732466.58	5.69E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
2026	500367.31	3732462.79	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
2027	500358.19	3732459	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.55E-05	1.82E-04	0.00E+00	0.00E+00
2028	500349.06	3732455.21	5.67E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.05E-03	0.00E+00	0.00E+00	8.54E-05	1.82E-04	0.00E+00	0.00E+00
2029	500339.93	3732451.41	5.66E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
2030	500330.81	3732447.62	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
2031	500321.68	3732443.83	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
2032	500312.55	3732440.04	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.42E-05	1.80E-04	0.00E+00	0.00E+00
2033	500303.43	3732436.25	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
2034	500294.3	3732432.46	5.53E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
2035	500285.18	3732428.67	5.49E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
2036	500276.05	3732424.88	5.45E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
2037	500266.92	3732421.09	5.41E-04	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.97E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
2038	500230.42	3732405.92	5.20E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2039	500193.91	3732390.76	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
2040	500184.79	3732386.97	4.88E-04	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	8.99E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
2041	500175.66	3732383.18	4.81E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
2042	500166.53	3732379.38	4.73E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
2043	500157.41	3732375.59	4.66E-04	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.59E-04	0.00E+00	0.00E+00	7.02E-05	1.50E-04	0.00E+00	0.00E+00
2044	500148.28	3732371.8	4.59E-04	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.46E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
2045	500139.16	3732368.01	4.51E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
2046	500130.03	3732364.22	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
2047	500120.9	3732360.43	4.36E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
2048	500111.78	3732356.64	4.28E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
2049	500102.65	3732352.85	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
2050	500462.94	3732462.64	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
2051	500470.21	3732469.1	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2052	500477.49	3732475.57	5.20E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2053	500484.76	3732482.03	5.19E-04	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
2054	500492.03	3732488.49	5.18E-04	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
2055	500499.31	3732494.95	5.17E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.52E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
2056	500506.58	3732501.42	5.15E-04	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.49E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
2057	500513.85	3732507.88	5.13E-04	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
2058	500521.13	3732514.34	5.10E-04	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.41E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
2059	500528.4	3732520.81	5.08E-04	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
2060	500535.67	3732527.27	5.04E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
2061	500542.95	3732533.73	5.01E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
2062	500550.22	3732540.19	4.97E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
2063	500557.49	3732546.66	4.93E-04	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.09E-04	0.00E+00	0.00E+00	7.43E-05	1.58E-04	0.00E+00	0.00E+00
2064	500564.76	3732553.12	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
2065	500572.04	3732559.58	4.84E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
2066	500593.86	3732578.97	4.69E-04	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.65E-04	0.00E+00	0.00E+00	7.06E-05	1.51E-04	0.00E+00	0.00E+00
2067	500601.13	3732585.43	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
2068	500608.4	3732591.9	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
2069	500615.68	3732598.36	4.52E-04	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
2070	500622.95	3732604.82	4.46E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
2071	500630.22	3732611.28	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
2072	500637.5	3732617.75	4.33E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2073	500644.77	3732624.21	4.27E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2074	500652.04	3732630.67	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
2075	500659.32	3732637.14	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
2076	500666.59	3732643.6	4.06E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
2077	500673.86	3732650.06	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
2078	500681.14	3732656.52	3.93E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
2079	500688.41	3732662.99	3.85E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.11E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2080	500695.68	3732669.45	3.78E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
2081	500702.96	3732675.91	3.71E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
2082	500710.23	3732682.38	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2083	500717.5	3732688.84	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
2084	500724.78	3732695.3	3.50E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
2085	500732.05	3732701.76	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
2086	500739.32	3732708.23	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
2087	500746.6	3732714.69	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2088	500753.87	3732721.15	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
2089	500761.14	3732727.61	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2090	500768.42	3732734.08	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
2091	500775.69	3732740.54	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
2092	500782.96	3732747	2.95E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
2093	500790.24	3732753.47	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
2094	500799.24	3732769.5	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
2095	500800.97	3732779.08	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
2096	500802.7	3732788.65	2.74E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
2097	500804.43	3732798.23	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
2098	500806.16	3732807.8	2.69E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
2099	500807.89	3732817.38	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
2100	500809.62	3732826.95	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
2101	500811.36	3732836.53	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.92E-05	8.35E-05	0.00E+00	0.00E+00
2102	500813.09	3732846.1	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
2103	500814.82	3732855.67	2.54E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
2104	500816.55	3732865.25	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
2105	500818.28	3732874.82	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
2106	500820.01	3732884.4	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
2107	500821.74	3732893.97	2.42E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
2108	500823.47	3732903.55	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
2109	500825.2	3732913.12	2.37E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
2110	500826.93	3732922.7	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
2111	500828.66	3732932.27	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
2112	500835.59	3732970.57	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
2113	500837.32	3732980.14	2.11E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
2114	500839.05	3732989.72	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
2115	500840.78	3732999.29	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
2116	500842.51	3733008.87	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
2117	500844.24	3733018.44	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
2118	500845.97	3733028.02	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
2119	500847.7	3733037.59	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
2120	500849.43	3733047.17	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
2121	500851.16	3733056.74	1.90E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.09E-05	0.00E+00	0.00E+00
2122	500852.89	3733066.32	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2123	500854.62	3733075.89	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
2124	500856.36	3733085.46	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00

2125	500858.09	3733095.04	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
2126	500859.82	3733104.61	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
2127	500861.55	3733114.19	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
2128	500863.28	3733123.76	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
2129	500865.01	3733133.34	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
2130	500866.74	3733142.91	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
2131	500868.47	3733152.49	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
2132	500870.2	3733162.06	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
2133	500871.93	3733171.64	1.65E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
2134	500873.66	3733181.21	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
2135	500875.39	3733190.79	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
2136	500877.12	3733200.36	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
2137	500455.67	3732456.18	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2138	500446.54	3732452.39	5.23E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.63E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
2139	500437.41	3732448.59	5.25E-04	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.68E-04	0.00E+00	0.00E+00
2140	500428.29	3732444.8	5.26E-04	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
2141	500419.16	3732441.01	5.28E-04	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
2142	500410.03	3732437.22	5.28E-04	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2143	500400.91	3732433.43	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2144	500391.78	3732429.64	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
2145	500382.66	3732425.85	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2146	500373.53	3732422.06	5.28E-04	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2147	500327.9	3732403.1	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2148	500318.77	3732399.31	5.18E-04	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.54E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
2149	500309.65	3732395.52	5.15E-04	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.49E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
2150	500300.52	3732391.73	5.11E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
2151	500291.39	3732387.94	5.08E-04	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
2152	500282.27	3732384.15	5.04E-04	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
2153	500273.14	3732380.36	5.00E-04	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.21E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
2154	500264.02	3732376.56	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
2155	500254.89	3732372.77	4.90E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
2156	500245.76	3732368.98	4.85E-04	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
2157	500236.64	3732365.19	4.80E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
2158	500227.51	3732361.4	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
2159	500191.01	3732346.24	4.51E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
2160	500181.88	3732342.44	4.44E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
2161	500172.75	3732338.65	4.38E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
2162	500163.63	3732334.86	4.31E-04	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
2163	500154.5	3732331.07	4.24E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
2164	500145.37	3732327.28	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
2165	500136.25	3732323.49	4.11E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
2166	500127.12	3732319.7	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2167	500118	3732315.91	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
2168	500478.39	3732425.79	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
2169	500485.76	3732432.34	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.56E-04	0.00E+00	0.00E+00
2170	500493.14	3732438.9	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
2171	500500.51	3732445.45	4.87E-04	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
2172	500507.89	3732452	4.86E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
2173	500515.26	3732458.56	4.85E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.93E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
2174	500522.64	3732465.11	4.83E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
2175	500530.01	3732471.66	4.81E-04	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
2176	500537.39	3732478.22	4.79E-04	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
2177	500544.76	3732484.77	4.77E-04	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
2178	500552.14	3732491.32	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
2179	500559.51	3732497.88	4.71E-04	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
2180	500566.89	3732504.43	4.68E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
2181	500574.26	3732510.98	4.65E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
2182	500581.64	3732517.54	4.61E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
2183	500589.01	3732524.09	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
2184	500596.39	3732530.64	4.53E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
2185	500603.76	3732537.2	4.48E-04	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
2186	500611.14	3732543.75	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
2187	500618.51	3732550.3	4.39E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
2188	500648.01	3732576.52	4.17E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
2189	500655.39	3732583.07	4.11E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
2190	500662.76	3732589.62	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
2191	500670.14	3732596.18	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
2192	500677.51	3732602.73	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
2193	500684.89	3732609.28	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
2194	500692.26	3732615.83	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
2195	500699.64	3732622.39	3.74E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
2196	500707.01	3732628.94	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2197	500714.39	3732635.49	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2198	500721.76	3732642.05	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
2199	500729.14	3732648.6	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2200	500736.51	3732655.15	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
2201	500743.89	3732661.71	3.35E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
2202	500751.26	3732668.26	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2203	500758.64	3732674.81	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
2204	500766.01	3732681.37	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
2205	500773.39	3732687.92	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.94E-05	0.00E+00	0.00E+00
2206	500780.76	3732694.47	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
2207	500788.14	3732701.03	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
2208	500795.51	3732707.58	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
2209	500802.89	3732714.13	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.14E-05	0.00E+00	0.00E+00
2210	500810.26	3732720.69	2.79E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
2211	500817.64	3732727.24	2.73E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.76E-05	0.00E+00	0.00E+00
2212	500825.01	3732733.79	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
2213	500834.14	3732750.06	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.14E-05	0.00E+00	0.00E+00
2214	500835.9	3732759.76	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
2215	500837.65	3732769.47	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
2216	500839.41	3732779.18	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
2217	500841.16	3732788.89	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
2218	500842.92	3732798.6	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
2219	500844.67	3732808.31	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
2220	500846.43	3732818.02	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
2221	500848.18	3732827.72	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.43E-05	0.00E+00	0.00E+00
2222	500849.94	3732837.43	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
2223	500851.69	3732847.14	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
2224	500853.45	3732856.85	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
2225	500855.2	3732866.56	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
2226	500856.96	3732876.27	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
2227	500858.71	3732885.98	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
2228	500860.47	3732895.68	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
2229	500862.22	3732905.39	2.10E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
2230	500863.98	3732915.1	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
2231	500865.73	3732924.81	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
2232	500867.49	3732934.52	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
2233	500874.51	3732973.35	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
2234	500876.26	3732983.06	1.90E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.09E-05	0.00E+00	0.00E+00
2235	500878.02	3732992.77	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2236	500879.77	3733002.48	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.94E-05	0.00E+00	0.00E+00

2237	500881.53	3733012.19	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
2238	500883.28	3733021.9	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
2239	500885.04	3733031.6	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
2240	500886.79	3733041.31	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
2241	500888.55	3733051.02	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
2242	500890.3	3733060.73	1.72E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.59E-05	5.51E-05	0.00E+00	0.00E+00
2243	500892.06	3733070.44	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
2244	500893.81	3733080.15	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
2245	500895.57	3733089.86	1.66E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
2246	500897.32	3733099.56	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
2247	500899.08	3733109.27	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
2248	500900.83	3733118.98	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
2249	500902.59	3733128.69	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
2250	500904.34	3733138.4	1.57E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
2251	500906.1	3733148.11	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
2252	500907.85	3733157.82	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
2253	500909.61	3733167.52	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
2254	500911.36	3733177.23	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
2255	500913.12	3733186.94	1.48E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
2256	500914.87	3733196.65	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
2257	500916.63	3733206.36	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
2258	500434.51	3732404.07	4.93E-04	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.08E-04	0.00E+00	0.00E+00	7.42E-05	1.58E-04	0.00E+00	0.00E+00
2259	500425.38	3732400.28	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
2260	500416.25	3732396.49	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
2261	500407.13	3732392.7	4.94E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
2262	500398	3732388.91	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
2263	500388.87	3732385.12	4.93E-04	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.09E-04	0.00E+00	0.00E+00	7.43E-05	1.58E-04	0.00E+00	0.00E+00
2264	500379.75	3732381.33	4.92E-04	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
2265	500370.62	3732377.54	4.91E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
2266	500361.5	3732373.74	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
2267	500352.37	3732369.95	4.88E-04	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	8.99E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
2268	500343.24	3732366.16	4.86E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
2269	500334.12	3732362.37	4.83E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
2270	500324.99	3732358.58	4.80E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
2271	500315.87	3732354.79	4.77E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
2272	500306.74	3732351	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
2273	500297.61	3732347.21	4.71E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
2274	500288.49	3732343.42	4.67E-04	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
2275	500279.36	3732339.62	4.63E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
2276	500270.23	3732335.83	4.59E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.45E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
2277	500261.11	3732332.04	4.54E-04	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.37E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
2278	500251.98	3732328.25	4.49E-04	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
2279	500242.86	3732324.46	4.45E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
2280	500233.73	3732320.67	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
2281	500224.6	3732316.88	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
2282	500197.22	3732305.51	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
2283	500188.1	3732301.71	4.12E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
2284	500178.97	3732297.92	4.06E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.49E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2285	500169.85	3732294.13	4.00E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
2286	500160.72	3732290.34	3.94E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
2287	500151.59	3732286.55	3.88E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
2288	500142.47	3732282.76	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
2289	500133.34	3732278.97	3.76E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.92E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
2290	500493.68	3732388.81	4.57E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
2291	500501.01	3732395.32	4.57E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
2292	500508.33	3732401.82	4.57E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
2293	500530.31	3732421.35	4.56E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.40E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
2294	500537.63	3732427.86	4.55E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
2295	500544.96	3732434.37	4.53E-04	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
2296	500552.28	3732440.88	4.52E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.32E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
2297	500559.61	3732447.39	4.50E-04	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
2298	500566.93	3732453.9	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
2299	500574.26	3732460.41	4.45E-04	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
2300	500581.58	3732466.91	4.42E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
2301	500588.91	3732473.42	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
2302	500596.23	3732479.93	4.36E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
2303	500603.56	3732486.44	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2304	500610.88	3732492.95	4.29E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
2305	500618.21	3732499.46	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
2306	500625.53	3732505.97	4.21E-04	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
2307	500632.86	3732512.48	4.17E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
2308	500640.19	3732518.99	4.13E-04	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
2309	500647.51	3732525.5	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2310	500654.84	3732532	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2311	500662.16	3732538.51	3.99E-04	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
2312	500669.49	3732545.02	3.94E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.25E-04	0.00E+00	0.00E+00	5.93E-05	1.26E-04	0.00E+00	0.00E+00
2313	500691.46	3732564.55	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2314	500698.79	3732571.06	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
2315	500706.11	3732577.57	3.67E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
2316	500713.44	3732584.08	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2317	500720.76	3732590.58	3.55E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
2318	500728.09	3732597.09	3.49E-04	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.44E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
2319	500735.41	3732603.6	3.44E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2320	500742.74	3732610.11	3.38E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2321	500750.06	3732616.62	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2322	500757.39	3732623.13	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
2323	500764.71	3732629.64	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
2324	500772.04	3732636.15	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
2325	500779.36	3732642.66	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
2326	500786.69	3732649.17	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.55E-05	9.72E-05	0.00E+00	0.00E+00
2327	500794.01	3732655.67	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
2328	500801.34	3732662.18	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
2329	500808.67	3732668.69	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
2330	500815.99	3732675.2	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
2331	500823.32	3732681.71	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.80E-05	0.00E+00	0.00E+00
2332	500830.64	3732688.22	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
2333	500837.97	3732694.73	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
2334	500845.29	3732701.24	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
2335	500852.62	3732707.75	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
2336	500859.94	3732714.26	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.65E-05	7.78E-05	0.00E+00	0.00E+00
2337	500869.01	3732730.41	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
2338	500870.75	3732740.05	2.31E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.43E-05	0.00E+00	0.00E+00
2339	500872.5	3732749.69	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.36E-05	0.00E+00	0.00E+00
2340	500874.24	3732759.34	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
2341	500875.98	3732768.98	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
2342	500877.73	3732778.62	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
2343	500879.47	3732788.27	2.19E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.05E-04	0.00E+00	0.00E+00	3.30E-05	7.05E-05	0.00E+00	0.00E+00
2344	500881.21	3732797.91	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
2345	500882.96	3732807.55	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
2346	500884.7	3732817.19	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
2347	500886.44	3732826.84	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
2348	500888.18	3732836.48	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00

2349	500889.93	3732846.12	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.58E-05	0.00E+00	0.00E+00
2350	500891.67	3732855.77	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
2351	500893.41	3732865.41	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
2352	500895.16	3732875.05	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
2353	500896.9	3732884.69	1.96E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.28E-05	0.00E+00	0.00E+00
2354	500898.64	3732894.34	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
2355	500900.39	3732903.98	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
2356	500902.13	3732913.62	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
2357	500903.87	3732923.27	1.86E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
2358	500905.62	3732932.91	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
2359	500912.59	3732971.48	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
2360	500914.33	3732981.12	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
2361	500916.07	3732990.77	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
2362	500917.82	3733000.41	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
2363	500919.56	3733010.05	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
2364	500921.3	3733019.7	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
2365	500924.79	3733038.98	1.61E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
2366	500926.53	3733048.63	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
2367	500928.28	3733058.27	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
2368	500930.02	3733067.91	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
2369	500931.76	3733077.55	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
2370	500933.51	3733087.2	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
2371	500935.25	3733096.84	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
2372	500936.99	3733106.48	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
2373	500938.74	3733116.13	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
2374	500940.48	3733125.77	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
2375	500942.22	3733135.41	1.45E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
2376	500943.96	3733145.06	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.60E-05	0.00E+00	0.00E+00
2377	500945.71	3733154.7	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
2378	500947.45	3733164.34	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
2379	500949.19	3733173.98	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
2380	500950.94	3733183.63	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
2381	500952.68	3733193.27	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
2382	500954.42	3733202.91	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
2383	500956.17	3733212.56	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
2384	500486.36	3732382.3	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
2385	500477.23	3732378.51	4.58E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
2386	500468.1	3732374.72	4.60E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
2387	500458.98	3732370.92	4.61E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
2388	500449.85	3732367.13	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
2389	500440.72	3732363.34	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
2390	500431.6	3732359.55	4.63E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
2391	500422.47	3732355.76	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
2392	500413.35	3732351.97	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
2393	500404.22	3732348.18	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
2394	500395.09	3732344.39	4.61E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
2395	500385.97	3732340.6	4.60E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
2396	500376.84	3732336.8	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
2397	500367.72	3732333.01	4.56E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
2398	500358.59	3732329.22	4.54E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
2399	500349.46	3732325.43	4.52E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
2400	500340.34	3732321.64	4.50E-04	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
2401	500331.21	3732317.85	4.47E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.24E-04	0.00E+00	0.00E+00	6.73E-05	1.44E-04	0.00E+00	0.00E+00
2402	500322.08	3732314.06	4.44E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
2403	500312.96	3732310.27	4.41E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
2404	500303.83	3732306.48	4.38E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
2405	500294.71	3732302.69	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
2406	500285.58	3732298.89	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2407	500276.45	3732295.1	4.26E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2408	500267.33	3732291.31	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.36E-04	0.00E+00	0.00E+00
2409	500258.2	3732287.52	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
2410	500249.07	3732283.73	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
2411	500239.95	3732279.94	4.09E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2412	500230.82	3732276.15	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2413	500194.32	3732260.98	3.83E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2414	500185.19	3732257.19	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2415	500176.06	3732253.4	3.73E-04	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
2416	500166.94	3732249.61	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
2417	500157.81	3732245.82	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2418	500148.69	3732242.03	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
2419	500508.98	3732351.83	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2420	500516.26	3732358.3	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2421	500523.54	3732364.77	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2422	500530.82	3732371.24	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2423	500538.1	3732377.71	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2424	500545.39	3732384.18	4.29E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2425	500567.23	3732403.58	4.26E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2426	500589.07	3732422.99	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
2427	500596.35	3732429.46	4.19E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
2428	500603.63	3732435.93	4.16E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
2429	500610.91	3732442.4	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
2430	500618.19	3732448.87	4.11E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
2431	500625.47	3732455.34	4.07E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2432	500632.76	3732461.81	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2433	500640.04	3732468.28	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
2434	500647.32	3732474.75	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
2435	500654.6	3732481.22	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
2436	500661.88	3732487.69	3.89E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
2437	500669.16	3732494.16	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2438	500676.44	3732500.63	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2439	500683.72	3732507.1	3.77E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
2440	500691	3732513.57	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
2441	500698.28	3732520.04	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
2442	500705.56	3732526.5	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
2443	500712.84	3732532.97	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
2444	500741.97	3732558.85	3.37E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2445	500749.25	3732565.32	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2446	500756.53	3732571.79	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
2447	500763.81	3732578.26	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
2448	500771.09	3732584.73	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2449	500778.37	3732591.2	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
2450	500785.65	3732597.67	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
2451	500792.93	3732604.14	3.00E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.54E-04	0.00E+00	0.00E+00	4.52E-05	9.65E-05	0.00E+00	0.00E+00
2452	500800.21	3732610.61	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
2453	500807.5	3732617.08	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
2454	500814.78	3732623.55	2.85E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
2455	500822.06	3732630.02	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
2456	500829.34	3732636.49	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
2457	500836.62	3732642.96	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
2458	500843.9	3732649.43	2.64E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
2459	500851.18	3732655.9	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
2460	500858.46	3732662.36	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00

2461	500865.74	3732668.83	2.44E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
2462	500873.02	3732675.3	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
2463	500880.3	3732681.77	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.52E-05	0.00E+00	0.00E+00
2464	500887.58	3732688.24	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
2465	500894.86	3732694.71	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
2466	500903.88	3732710.77	2.17E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
2467	500905.61	3732720.35	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
2468	500907.34	3732729.94	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
2469	500909.08	3732739.52	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
2470	500910.81	3732749.1	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
2471	500912.54	3732758.69	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
2472	500914.27	3732768.27	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
2473	500916.01	3732777.86	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
2474	500917.74	3732787.44	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
2475	500919.47	3732797.03	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
2476	500921.2	3732806.61	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.28E-05	0.00E+00	0.00E+00
2477	500922.94	3732816.2	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
2478	500924.67	3732825.78	1.91E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
2479	500926.4	3732835.37	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
2480	500928.13	3732844.95	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2481	500929.87	3732854.53	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.94E-05	0.00E+00	0.00E+00
2482	500931.6	3732864.12	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
2483	500933.33	3732873.7	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
2484	500935.06	3732883.29	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
2485	500936.8	3732892.87	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
2486	500938.53	3732902.46	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
2487	500940.26	3732912.04	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
2488	500941.99	3732921.63	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
2489	500943.73	3732931.21	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
2490	500950.66	3732969.55	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
2491	500952.39	3732979.13	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
2492	500954.12	3732988.72	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
2493	500955.86	3732998.3	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
2494	500957.59	3733007.89	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
2495	500959.32	3733017.47	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
2496	500961.05	3733027.06	1.51E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
2497	500964.52	3733046.23	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
2498	500966.25	3733055.81	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
2499	500967.98	3733065.39	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
2500	500969.72	3733074.98	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
2501	500971.45	3733084.56	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
2502	500973.18	3733094.15	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
2503	500974.91	3733103.73	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
2504	500976.65	3733113.32	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
2505	500978.38	3733122.9	1.35E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.35E-05	0.00E+00	0.00E+00
2506	500980.11	3733132.49	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
2507	500981.84	3733142.07	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
2508	500983.58	3733151.65	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
2509	500985.31	3733161.24	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
2510	500987.04	3733170.82	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
2511	500988.77	3733180.41	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
2512	500990.51	3733189.99	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
2513	500992.24	3733199.58	1.26E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
2514	500993.97	3733209.16	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
2515	500995.7	3733218.75	1.23E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
2516	500501.7	3732345.36	4.29E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2517	500492.57	3732341.57	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
2518	500483.45	3732337.78	4.32E-04	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.96E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
2519	500474.32	3732333.99	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2520	500465.2	3732330.19	4.33E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2521	500456.07	3732326.4	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2522	500446.94	3732322.61	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
2523	500437.82	3732318.82	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2524	500428.69	3732315.03	4.34E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2525	500419.56	3732311.24	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2526	500410.44	3732307.45	4.32E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
2527	500401.31	3732303.66	4.31E-04	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
2528	500392.19	3732299.87	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2529	500383.06	3732296.07	4.28E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
2530	500373.93	3732292.28	4.26E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2531	500364.81	3732288.49	4.24E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
2532	500355.68	3732284.7	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
2533	500346.56	3732280.91	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
2534	500337.43	3732277.12	4.17E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
2535	500328.3	3732273.33	4.14E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
2536	500319.18	3732269.54	4.11E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
2537	500310.05	3732265.75	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2538	500300.92	3732261.95	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2539	500291.8	3732258.16	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
2540	500282.67	3732254.37	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
2541	500273.55	3732250.58	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
2542	500264.42	3732246.79	3.89E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
2543	500255.29	3732243	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2544	500246.17	3732239.21	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
2545	500237.04	3732235.42	3.76E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
2546	500227.91	3732231.63	3.72E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.85E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
2547	500191.41	3732216.46	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
2548	500182.28	3732212.67	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2549	500173.16	3732208.88	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2550	500164.03	3732205.09	3.38E-04	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
2551	500524.41	3732314.97	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
2552	500531.78	3732321.51	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2553	500539.15	3732328.06	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2554	500546.52	3732334.61	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2555	500568.62	3732354.25	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2556	500575.99	3732360.79	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2557	500583.36	3732367.34	4.03E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
2558	500590.73	3732373.89	4.01E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
2559	500598.09	3732380.44	4.00E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
2560	500605.46	3732386.98	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
2561	500612.83	3732393.53	3.96E-04	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
2562	500620.2	3732400.08	3.94E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
2563	500649.67	3732426.27	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2564	500657.04	3732432.81	3.80E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
2565	500664.41	3732439.36	3.77E-04	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.95E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
2566	500671.77	3732445.91	3.74E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
2567	500679.14	3732452.45	3.70E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
2568	500686.51	3732459	3.67E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
2569	500693.88	3732465.55	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
2570	500701.25	3732472.09	3.59E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
2571	500708.61	3732478.64	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
2572	500715.98	3732485.19	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00

2573	500723.35	3732491.74	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
2574	500730.72	3732498.28	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
2575	500738.09	3732504.83	3.37E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2576	500745.46	3732511.38	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2577	500752.82	3732517.92	3.28E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
2578	500760.19	3732524.47	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
2579	500767.56	3732531.02	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
2580	500789.66	3732550.66	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.76E-05	0.00E+00	0.00E+00
2581	500797.03	3732557.21	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
2582	500804.4	3732563.75	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
2583	500811.77	3732570.3	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
2584	500819.14	3732576.85	2.84E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.12E-05	0.00E+00	0.00E+00
2585	500826.5	3732583.39	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
2586	500833.87	3732589.94	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
2587	500841.24	3732596.49	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.65E-05	0.00E+00	0.00E+00
2588	500848.61	3732603.04	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
2589	500855.98	3732609.58	2.60E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
2590	500863.34	3732616.13	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
2591	500870.71	3732622.68	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
2592	500878.08	3732629.22	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
2593	500885.45	3732635.77	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.56E-05	7.58E-05	0.00E+00	0.00E+00
2594	500892.82	3732642.32	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
2595	500900.18	3732648.86	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
2596	500907.55	3732655.41	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
2597	500914.92	3732661.96	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
2598	500922.29	3732668.51	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
2599	500929.66	3732675.05	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
2600	500938.78	3732691.3	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
2601	500940.53	3732701	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
2602	500942.28	3732710.7	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
2603	500944.04	3732720.4	1.97E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
2604	500945.79	3732730.1	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
2605	500947.54	3732739.8	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
2606	500949.3	3732749.5	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
2607	500951.05	3732759.19	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
2608	500952.8	3732768.89	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
2609	500954.56	3732778.59	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
2610	500956.31	3732788.29	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
2611	500958.06	3732797.99	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
2612	500959.82	3732807.69	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
2613	500961.57	3732817.39	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
2614	500963.32	3732827.09	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
2615	500965.08	3732836.79	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
2616	500966.83	3732846.49	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
2617	500968.58	3732856.19	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.43E-05	0.00E+00	0.00E+00
2618	500970.34	3732865.89	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
2619	500972.09	3732875.59	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
2620	500973.84	3732885.29	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
2621	500975.6	3732894.99	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
2622	500977.35	3732904.68	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
2623	500979.1	3732914.38	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
2624	500980.86	3732924.08	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
2625	500982.61	3732933.78	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
2626	500989.62	3732972.58	1.47E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
2627	500991.38	3732982.28	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
2628	500993.13	3732991.98	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
2629	500994.88	3733001.68	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
2630	501000.14	3733030.78	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
2631	501001.9	3733040.48	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
2632	501003.65	3733050.18	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
2633	501024.69	3733166.57	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
2634	501028.2	3733185.97	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
2635	501029.95	3733195.67	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
2636	501031.7	3733205.37	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
2637	501033.46	3733215.06	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
2638	501035.21	3733224.76	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
2639	500517.05	3732308.42	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2640	500507.92	3732304.63	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2641	500498.79	3732300.84	4.07E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
2642	500489.67	3732297.05	4.08E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2643	500480.54	3732293.25	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2644	500471.41	3732289.46	4.08E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2645	500462.29	3732285.67	4.08E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2646	500453.16	3732281.88	4.08E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2647	500444.04	3732278.09	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2648	500434.91	3732274.3	4.07E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
2649	500425.78	3732270.51	4.07E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
2650	500416.66	3732266.72	4.06E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.47E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2651	500407.53	3732262.93	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2652	500398.4	3732259.13	4.03E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
2653	500389.28	3732255.34	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
2654	500380.15	3732251.55	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
2655	500371.03	3732247.76	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
2656	500361.9	3732243.97	3.95E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
2657	500352.77	3732240.18	3.93E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
2658	500343.65	3732236.39	3.90E-04	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
2659	500334.52	3732232.6	3.87E-04	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.14E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
2660	500325.4	3732228.81	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
2661	500316.27	3732225.01	3.81E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2662	500307.14	3732221.22	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2663	500298.02	3732217.43	3.75E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
2664	500288.89	3732213.64	3.71E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
2665	500279.76	3732209.85	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2666	500270.64	3732206.06	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2667	500261.51	3732202.27	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2668	500252.39	3732198.48	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
2669	500243.26	3732194.69	3.52E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
2670	500234.13	3732190.9	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2671	500225.01	3732187.1	3.44E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2672	500539.72	3732277.99	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
2673	500547.04	3732284.5	3.83E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2674	500569.02	3732304.02	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
2675	500576.34	3732310.53	3.83E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2676	500583.67	3732317.04	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
2677	500590.99	3732323.55	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
2678	500598.32	3732330.06	3.81E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2679	500605.64	3732336.57	3.80E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
2680	500612.97	3732343.08	3.79E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
2681	500620.29	3732349.59	3.77E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
2682	500627.62	3732356.1	3.76E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
2683	500634.94	3732362.6	3.74E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
2684	500642.27	3732369.11	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00

2685	500649.59	3732375.62	3.70E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
2686	500656.92	3732382.13	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2687	500664.24	3732388.64	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2688	500671.57	3732395.15	3.63E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
2689	500678.89	3732401.66	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2690	500700.87	3732421.19	3.51E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
2691	500708.2	3732427.69	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2692	500715.52	3732434.2	3.44E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
2693	500722.85	3732440.71	3.40E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
2694	500730.17	3732447.22	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
2695	500737.5	3732453.73	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2696	500744.82	3732460.24	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2697	500752.15	3732466.75	3.25E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
2698	500759.47	3732473.26	3.21E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
2699	500766.8	3732479.77	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2700	500774.12	3732486.28	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
2701	500781.45	3732492.78	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
2702	500788.77	3732499.29	3.04E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
2703	500818.07	3732525.33	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
2704	500847.37	3732551.36	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
2705	500854.7	3732557.87	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.46E-05	0.00E+00	0.00E+00
2706	500862.03	3732564.38	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
2707	500869.35	3732570.89	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.79E-05	8.07E-05	0.00E+00	0.00E+00
2708	500876.68	3732577.4	2.47E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
2709	500884	3732583.91	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
2710	500891.33	3732590.42	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
2711	500898.65	3732596.93	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
2712	500905.98	3732603.44	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
2713	500913.3	3732609.95	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
2714	500920.63	3732616.45	2.19E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.05E-04	0.00E+00	0.00E+00	3.30E-05	7.05E-05	0.00E+00	0.00E+00
2715	500927.95	3732622.96	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
2716	500935.28	3732629.47	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
2717	500942.6	3732635.98	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.12E-05	6.64E-05	0.00E+00	0.00E+00
2718	500949.93	3732642.49	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
2719	500957.25	3732649	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
2720	500964.58	3732655.51	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
2721	500973.65	3732671.66	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
2722	500975.39	3732681.3	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
2723	500977.13	3732690.95	1.86E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.80E-05	5.96E-05	0.00E+00	0.00E+00
2724	500978.88	3732700.59	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
2725	500980.62	3732710.23	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
2726	500982.36	3732719.88	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
2727	500984.11	3732729.52	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
2728	500985.85	3732739.16	1.77E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
2729	500987.59	3732748.8	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
2730	500989.33	3732758.45	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
2731	500991.08	3732768.09	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
2732	500992.82	3732777.73	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
2733	500994.56	3732787.38	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
2734	500996.31	3732797.02	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
2735	500998.05	3732806.66	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
2736	500999.79	3732816.3	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
2737	501001.54	3732825.95	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
2738	501003.28	3732835.59	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
2739	501020.71	3732932.02	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
2740	501029.43	3732980.24	1.34E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
2741	501031.17	3732989.88	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
2742	501039.89	3733038.09	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
2743	501041.63	3733047.74	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
2744	501046.86	3733076.67	1.22E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
2745	501048.6	3733086.31	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
2746	501050.34	3733095.95	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
2747	501052.09	3733105.59	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
2748	501053.83	3733115.24	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
2749	501055.57	3733124.88	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
2750	501057.32	3733134.52	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
2751	501059.06	3733144.17	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
2752	501060.8	3733153.81	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
2753	501062.55	3733163.45	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
2754	500532.39	3732271.48	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
2755	500523.26	3732267.69	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2756	500514.14	3732263.9	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
2757	500505.01	3732260.11	3.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
2758	500495.89	3732256.31	3.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
2759	500486.76	3732252.52	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2760	500477.63	3732248.73	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2761	500468.51	3732244.94	3.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
2762	500459.38	3732241.15	3.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
2763	500450.25	3732237.36	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
2764	500441.13	3732233.57	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2765	500432	3732229.78	3.82E-04	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
2766	500422.88	3732225.99	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2767	500413.75	3732222.2	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
2768	500404.62	3732218.4	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2769	500395.5	3732214.61	3.77E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
2770	500386.37	3732210.82	3.75E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
2771	500377.24	3732207.03	3.73E-04	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
2772	500368.12	3732203.24	3.70E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
2773	500358.99	3732199.45	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2774	500349.87	3732195.66	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2775	500340.74	3732191.87	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
2776	500331.61	3732188.08	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2777	500322.49	3732184.28	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
2778	500194.72	3732131.21	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
2779	500568.2	3732258.14	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2780	500575.57	3732264.69	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2781	500582.94	3732271.24	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2782	500590.31	3732277.79	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2783	500597.68	3732284.34	3.65E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
2784	500605.05	3732290.89	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2785	500612.42	3732297.44	3.64E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
2786	500619.79	3732303.99	3.63E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
2787	500627.16	3732310.54	3.62E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2788	500634.53	3732317.08	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2789	500641.9	3732323.63	3.59E-04	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
2790	500649.27	3732330.18	3.57E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.59E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
2791	500656.64	3732336.73	3.56E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
2792	500664.01	3732343.28	3.54E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
2793	500671.39	3732349.83	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
2794	500678.76	3732356.38	3.49E-04	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.44E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
2795	500686.13	3732362.93	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
2796	500693.5	3732369.48	3.45E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00

2797	500700.87	3732376.03	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
2798	500708.24	3732382.57	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
2799	500715.61	3732389.12	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
2800	500722.98	3732395.67	3.33E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
2801	500730.35	3732402.22	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
2802	500752.46	3732421.87	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
2803	500759.83	3732428.42	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2804	500767.2	3732434.97	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
2805	500774.57	3732441.52	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
2806	500781.94	3732448.06	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
2807	500789.31	3732454.61	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
2808	500818.79	3732480.81	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
2809	500826.16	3732487.36	2.81E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
2810	500833.53	3732493.91	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
2811	500840.9	3732500.46	2.73E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
2812	500848.27	3732507	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
2813	500855.64	3732513.55	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
2814	500863.01	3732520.1	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
2815	500870.38	3732526.65	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
2816	500899.86	3732552.85	2.36E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.57E-05	0.00E+00	0.00E+00
2817	500907.23	3732559.4	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
2818	500914.6	3732565.95	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
2819	500921.97	3732572.49	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
2820	500929.34	3732579.04	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
2821	500936.71	3732585.59	2.15E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
2822	500944.08	3732592.14	2.11E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
2823	500951.45	3732598.69	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
2824	500958.82	3732605.24	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
2825	500966.19	3732611.79	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
2826	500973.56	3732618.34	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
2827	500980.93	3732624.89	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
2828	500988.3	3732631.44	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
2829	500995.67	3732637.98	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
2830	501022.34	3732751.26	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
2831	501024.09	3732760.96	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
2832	501025.85	3732770.66	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
2833	501027.6	3732780.36	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
2834	501029.35	3732790.07	1.54E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
2835	501031.11	3732799.77	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
2836	501032.86	3732809.47	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
2837	501034.61	3732819.17	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
2838	501036.37	3732828.88	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
2839	501038.12	3732838.58	1.46E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
2840	501039.88	3732848.28	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
2841	501041.63	3732857.98	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
2842	501043.38	3732867.68	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
2843	501045.14	3732877.39	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
2844	501046.89	3732887.09	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
2845	501092.49	3733139.35	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
2846	501103.01	3733197.56	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
2847	501104.77	3733207.26	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
2848	501106.52	3733216.96	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
2849	500546.09	3732238.5	3.64E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2850	500536.97	3732234.71	3.65E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
2851	500527.84	3732230.92	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2852	500518.71	3732227.12	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
2853	500509.59	3732223.33	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
2854	500500.46	3732219.54	3.66E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
2855	500491.33	3732215.75	3.66E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
2856	500482.21	3732211.96	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
2857	500473.08	3732208.17	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2858	500463.96	3732204.38	3.65E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
2859	500454.83	3732200.59	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2860	500445.7	3732196.8	3.63E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
2861	500436.58	3732193	3.62E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
2862	500427.45	3732189.21	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
2863	500418.32	3732185.42	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
2864	500409.2	3732181.63	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
2865	500290.56	3732132.35	3.25E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.04E-04	0.00E+00	0.00E+00
2866	500281.43	3732128.56	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
2867	500272.3	3732124.76	3.19E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.87E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
2868	500263.18	3732120.97	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2869	500567.09	3732212	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2870	500574.39	3732218.49	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2871	500581.69	3732224.97	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2872	500588.99	3732231.46	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2873	500596.28	3732237.94	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2874	500603.58	3732244.43	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2875	500610.88	3732250.91	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2876	500618.18	3732257.4	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2877	500625.48	3732263.88	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
2878	500632.78	3732270.37	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
2879	500640.07	3732276.85	3.46E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
2880	500647.37	3732283.34	3.45E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
2881	500654.67	3732289.82	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2882	500661.97	3732296.31	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
2883	500669.27	3732302.79	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
2884	500676.57	3732309.28	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
2885	500683.86	3732315.76	3.37E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2886	500691.16	3732322.25	3.35E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
2887	500698.46	3732328.73	3.33E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
2888	500705.76	3732335.22	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
2889	500713.06	3732341.7	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2890	500720.36	3732348.19	3.26E-04	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.02E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
2891	500727.65	3732354.67	3.24E-04	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
2892	500734.95	3732361.16	3.21E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
2893	500742.25	3732367.64	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
2894	500749.55	3732374.13	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2895	500756.85	3732380.61	3.12E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
2896	500764.15	3732387.1	3.09E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.66E-05	9.93E-05	0.00E+00	0.00E+00
2897	500771.45	3732393.58	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
2898	500778.74	3732400.07	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
2899	500786.04	3732406.55	2.99E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
2900	500815.24	3732432.49	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
2901	500822.53	3732438.98	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
2902	500829.83	3732445.47	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
2903	500837.13	3732451.95	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
2904	500844.43	3732458.44	2.70E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
2905	500851.73	3732464.92	2.67E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.56E-05	0.00E+00	0.00E+00
2906	500859.03	3732471.41	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
2907	500866.32	3732477.89	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
2908	500873.62	3732484.38	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00

2909	500880.92	3732490.86	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
2910	500888.22	3732497.35	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
2911	500895.52	3732503.83	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
2912	500902.82	3732510.32	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
2913	500910.11	3732516.8	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
2914	500917.41	3732523.29	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
2915	500924.71	3732529.77	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
2916	500946.61	3732549.23	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
2917	500953.9	3732555.71	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
2918	500961.2	3732562.2	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
2919	500968.5	3732568.68	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.47E-05	0.00E+00	0.00E+00
2920	500975.8	3732575.17	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
2921	500983.1	3732581.65	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.24E-05	0.00E+00	0.00E+00
2922	500990.4	3732588.14	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
2923	500997.7	3732594.62	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2924	501026.89	3732620.56	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
2925	501035.92	3732636.66	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
2926	501037.66	3732646.26	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
2927	501039.4	3732655.87	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
2928	501041.13	3732665.48	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
2929	501042.87	3732675.09	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
2930	501044.61	3732684.69	1.60E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.96E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
2931	501046.34	3732694.3	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
2932	501048.08	3732703.91	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
2933	501049.82	3732713.52	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
2934	501051.55	3732723.13	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
2935	501053.29	3732732.73	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
2936	501055.03	3732742.34	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
2937	501056.76	3732751.95	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
2938	501058.5	3732761.56	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
2939	501060.24	3732771.16	1.47E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
2940	501061.97	3732780.77	1.45E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.66E-05	0.00E+00	0.00E+00
2941	501063.71	3732790.38	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
2942	501065.45	3732799.99	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
2943	501067.19	3732809.59	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
2944	501068.92	3732819.2	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
2945	501070.66	3732828.81	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
2946	501072.4	3732838.42	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.38E-05	0.00E+00	0.00E+00
2947	501074.13	3732848.02	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
2948	501075.87	3732857.63	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
2949	501077.61	3732867.24	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
2950	501079.34	3732876.85	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
2951	501138.39	3733203.51	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
2952	501140.13	3733213.12	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
2953	501141.86	3733222.72	9.50E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
2954	501145.34	3733241.94	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
2955	500559.79	3732205.52	3.47E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
2956	500550.67	3732201.72	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2957	500541.54	3732197.93	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2958	500532.41	3732194.14	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2959	500523.29	3732190.35	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2960	500514.16	3732186.56	3.49E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2961	500505.03	3732182.77	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2962	500386.39	3732133.49	3.34E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.15E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
2963	500377.27	3732129.69	3.31E-04	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
2964	500368.14	3732125.9	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
2965	500359.02	3732122.11	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
2966	500349.89	3732118.32	3.24E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
2967	500340.76	3732114.53	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
2968	500331.64	3732110.74	3.19E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
2969	500322.51	3732106.95	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2970	500313.38	3732103.16	3.14E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
2971	500304.26	3732099.37	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
2972	500295.13	3732095.57	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
2973	500286.01	3732091.78	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.78E-05	0.00E+00	0.00E+00
2974	500276.88	3732087.99	3.01E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
2975	500267.75	3732084.2	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
2976	500258.63	3732080.41	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
2977	500588.17	3732185.58	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2978	500595.52	3732192.1	3.32E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2979	500602.86	3732198.63	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2980	500610.2	3732205.15	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2981	500617.54	3732211.67	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2982	500624.88	3732218.19	3.32E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2983	500632.22	3732224.72	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2984	500639.56	3732231.24	3.32E-04	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.07E-04	0.00E+00	0.00E+00
2985	500646.9	3732237.76	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
2986	500654.24	3732244.29	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
2987	500661.58	3732250.81	3.30E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
2988	500668.92	3732257.33	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2989	500676.26	3732263.85	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
2990	500683.61	3732270.38	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
2991	500690.95	3732276.9	3.25E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
2992	500698.29	3732283.42	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
2993	500705.63	3732289.95	3.21E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
2994	500712.97	3732296.47	3.20E-04	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
2995	500720.31	3732302.99	3.18E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
2996	500727.65	3732309.51	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2997	500734.99	3732316.04	3.13E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
2998	500742.33	3732322.56	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
2999	500749.67	3732329.08	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
3000	500757.01	3732335.6	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
3001	500764.35	3732342.13	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3002	500771.7	3732348.65	3.01E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
3003	500779.04	3732355.17	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3004	500786.38	3732361.7	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
3005	500793.72	3732368.22	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3006	500815.74	3732387.79	2.82E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
3007	500823.08	3732394.31	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
3008	500830.42	3732400.83	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
3009	500837.76	3732407.36	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
3010	500845.1	3732413.88	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
3011	500852.44	3732420.4	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3012	500859.79	3732426.92	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
3013	500867.13	3732433.45	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
3014	500874.47	3732439.97	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
3015	500881.81	3732446.49	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
3016	500889.15	3732453.02	2.48E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
3017	500896.49	3732459.54	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
3018	500903.83	3732466.06	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
3019	500911.17	3732472.58	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
3020	500918.51	3732479.11	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00

3021	500925.85	3732485.63	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
3022	500933.19	3732492.15	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
3023	500940.53	3732498.68	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
3024	500947.88	3732505.2	2.16E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.92E-05	0.00E+00	0.00E+00
3025	500955.22	3732511.72	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
3026	500962.56	3732518.24	2.08E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
3027	500969.9	3732524.77	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
3028	500977.24	3732531.29	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
3029	500991.92	3732544.34	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.92E-05	6.22E-05	0.00E+00	0.00E+00
3030	500999.26	3732550.86	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
3031	501028.62	3732576.95	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
3032	501035.97	3732583.47	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.58E-05	0.00E+00	0.00E+00
3033	501043.31	3732590	1.70E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
3034	501050.65	3732596.52	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
3035	501057.99	3732603.04	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
3036	501067.08	3732619.23	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
3037	501068.82	3732628.89	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
3038	501070.57	3732638.56	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
3039	501072.32	3732648.22	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
3040	501074.06	3732657.88	1.53E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
3041	501075.81	3732667.55	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
3042	501077.56	3732677.21	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
3043	501079.3	3732686.87	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.79E-05	0.00E+00	0.00E+00
3044	501081.05	3732696.54	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
3045	501082.8	3732706.2	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
3046	501084.54	3732715.86	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
3047	501086.29	3732725.53	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
3048	501088.04	3732735.19	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3049	501089.78	3732744.85	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
3050	501091.53	3732754.52	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
3051	501093.28	3732764.18	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.43E-05	0.00E+00	0.00E+00
3052	501095.03	3732773.84	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
3053	501096.77	3732783.51	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
3054	501098.52	3732793.17	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
3055	501100.27	3732802.84	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
3056	501102.01	3732812.5	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
3057	501103.76	3732822.16	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
3058	501105.51	3732831.83	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
3059	501107.25	3732841.49	1.27E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
3060	501109	3732851.15	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
3061	501110.75	3732860.82	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
3062	500482.23	3732134.62	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
3063	500473.1	3732130.83	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
3064	500463.98	3732127.04	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
3065	500454.85	3732123.25	3.27E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
3066	500445.73	3732119.46	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
3067	500436.6	3732115.67	3.25E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
3068	500427.47	3732111.88	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
3069	500418.35	3732108.09	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
3070	500409.22	3732104.29	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
3071	500400.09	3732100.5	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
3072	500390.97	3732096.71	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
3073	500381.84	3732092.92	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
3074	500372.72	3732089.13	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
3075	500363.59	3732085.34	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.95E-05	0.00E+00	0.00E+00
3076	500354.46	3732081.55	3.07E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
3077	500345.34	3732077.76	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
3078	500336.21	3732073.97	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3079	500327.09	3732070.17	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.51E-05	9.63E-05	0.00E+00	0.00E+00
3080	500317.96	3732066.38	2.97E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
3081	500308.83	3732062.59	2.94E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
3082	500299.71	3732058.8	2.92E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
3083	500290.58	3732055.01	2.89E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
3084	500281.45	3732051.22	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
3085	500272.33	3732047.43	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
3086	500638.86	3732185.46	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
3087	500646.24	3732192.02	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3088	500653.62	3732198.58	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3089	500661	3732205.14	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3090	500668.38	3732211.69	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
3091	500675.76	3732218.25	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
3092	500683.14	3732224.81	3.15E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
3093	500690.53	3732231.37	3.14E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
3094	500697.91	3732237.93	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
3095	500705.29	3732244.49	3.11E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
3096	500712.67	3732251.04	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
3097	500720.05	3732257.6	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
3098	500727.43	3732264.16	3.07E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
3099	500734.81	3732270.72	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.79E-05	0.00E+00	0.00E+00
3100	500742.19	3732277.28	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3101	500749.57	3732283.84	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
3102	500756.95	3732290.39	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
3103	500764.33	3732296.95	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
3104	500771.71	3732303.51	2.94E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.46E-05	0.00E+00	0.00E+00
3105	500779.1	3732310.07	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
3106	500786.48	3732316.63	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3107	500793.86	3732323.19	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
3108	500816	3732342.86	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
3109	500823.38	3732349.42	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
3110	500830.76	3732355.98	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
3111	500838.14	3732362.54	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
3112	500845.52	3732369.1	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
3113	500852.9	3732375.65	2.64E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
3114	500860.28	3732382.21	2.60E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
3115	500867.67	3732388.77	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3116	500875.05	3732395.33	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3117	500882.43	3732401.89	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
3118	500889.81	3732408.45	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
3119	500897.19	3732415	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3120	500904.57	3732421.56	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
3121	500911.95	3732428.12	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.57E-05	0.00E+00	0.00E+00
3122	500919.33	3732434.68	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
3123	500926.71	3732441.24	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
3124	500934.09	3732447.8	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
3125	500941.47	3732454.35	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
3126	500948.85	3732460.91	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
3127	500956.23	3732467.47	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
3128	500963.62	3732474.03	2.10E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
3129	500971	3732480.59	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
3130	500978.38	3732487.15	2.03E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
3131	500985.76	3732493.7	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
3132	500993.14	3732500.26	1.97E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00

3133	501000.52	3732506.82	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
3134	501007.9	3732513.38	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
3135	501015.28	3732519.94	1.86E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
3136	501022.66	3732526.5	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
3137	501052.19	3732552.73	1.70E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
3138	501059.57	3732559.29	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
3139	501066.95	3732565.85	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
3140	501074.33	3732572.41	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
3141	501081.71	3732578.96	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
3142	501089.09	3732585.52	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
3143	501098.23	3732601.8	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
3144	501099.98	3732611.51	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
3145	501101.74	3732621.23	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
3146	501103.5	3732630.94	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
3147	501105.25	3732640.66	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
3148	501107.01	3732650.38	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
3149	501108.77	3732660.09	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
3150	501110.52	3732669.81	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
3151	501112.28	3732679.53	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
3152	501114.03	3732689.24	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
3153	501115.79	3732698.96	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
3154	501117.55	3732708.67	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
3155	501119.3	3732718.39	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
3156	501121.06	3732728.11	1.34E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
3157	501122.82	3732737.82	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
3158	501124.57	3732747.54	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
3159	501126.33	3732757.26	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
3160	501128.08	3732766.97	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
3161	501129.84	3732776.69	1.27E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
3162	501131.6	3732786.4	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
3163	501133.35	3732796.12	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
3164	501135.11	3732805.84	1.23E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
3165	501136.87	3732815.55	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
3166	501138.62	3732825.27	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
3167	501140.38	3732834.98	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
3168	501142.14	3732844.7	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3169	501143.89	3732854.42	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
3170	501207.12	3733204.2	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
3171	501208.88	3733213.92	8.55E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
3172	501210.63	3733223.63	8.49E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
3173	501212.39	3733233.35	8.44E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
3174	501214.15	3733243.06	8.38E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
3175	501215.9	3733252.78	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
3176	500568.94	3732131.97	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3177	500559.82	3732128.18	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3178	500550.69	3732124.39	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3179	500541.56	3732120.6	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3180	500532.44	3732116.81	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3181	500523.31	3732113.01	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3182	500514.18	3732109.22	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
3183	500505.06	3732105.43	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
3184	500495.93	3732101.64	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
3185	500486.81	3732097.85	3.14E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.80E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
3186	500477.68	3732094.06	3.14E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
3187	500468.55	3732090.27	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
3188	500459.43	3732086.48	3.11E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
3189	500450.3	3732082.69	3.10E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
3190	500441.17	3732078.89	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
3191	500432.05	3732075.1	3.07E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
3192	500422.92	3732071.31	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
3193	500413.8	3732067.52	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.76E-05	0.00E+00	0.00E+00
3194	500404.67	3732063.73	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3195	500395.54	3732059.94	3.00E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.54E-04	0.00E+00	0.00E+00	4.52E-05	9.65E-05	0.00E+00	0.00E+00
3196	500386.42	3732056.15	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
3197	500377.29	3732052.36	2.96E-04	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.51E-05	0.00E+00	0.00E+00
3198	500368.16	3732048.57	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
3199	500359.04	3732044.77	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3200	500349.91	3732040.98	2.89E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3201	500340.79	3732037.19	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
3202	500331.66	3732033.4	2.85E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
3203	500322.53	3732029.61	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
3204	500313.41	3732025.82	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
3205	500304.28	3732022.03	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
3206	500295.15	3732018.24	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
3207	500286.03	3732014.45	2.71E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
3208	500608.21	3732113.07	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3209	500615.53	3732119.57	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
3210	500622.84	3732126.07	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.76E-05	0.00E+00	0.00E+00
3211	500630.16	3732132.57	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
3212	500688.68	3732184.57	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
3213	500696	3732191.07	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
3214	500703.31	3732197.58	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
3215	500710.63	3732204.08	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
3216	500717.94	3732210.58	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
3217	500725.26	3732217.08	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3218	500732.57	3732223.58	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.46E-05	9.52E-05	0.00E+00	0.00E+00
3219	500739.89	3732230.08	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
3220	500747.21	3732236.58	2.94E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
3221	500754.52	3732243.08	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3222	500761.84	3732249.58	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3223	500769.15	3732256.08	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
3224	500776.47	3732262.58	2.86E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
3225	500783.78	3732269.08	2.84E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
3226	500791.1	3732275.58	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
3227	500820.36	3732301.58	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
3228	500827.68	3732308.08	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
3229	500834.99	3732314.58	2.68E-04	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
3230	500842.31	3732321.08	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
3231	500849.62	3732327.58	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
3232	500856.94	3732334.08	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.33E-05	0.00E+00	0.00E+00
3233	500864.25	3732340.58	2.57E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
3234	500871.57	3732347.08	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3235	500878.88	3732353.58	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.05E-05	0.00E+00	0.00E+00
3236	500886.2	3732360.08	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
3237	500893.52	3732366.58	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.86E-05	0.00E+00	0.00E+00
3238	500900.83	3732373.08	2.42E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.76E-05	0.00E+00	0.00E+00
3239	500908.15	3732379.59	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
3240	500915.46	3732386.09	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
3241	500922.78	3732392.59	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
3242	500930.09	3732399.09	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
3243	500937.41	3732405.59	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
3244	500944.72	3732412.09	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00

3245	500952.04	3732418.59	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
3246	500959.36	3732425.09	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
3247	500966.67	3732431.59	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
3248	500973.99	3732438.09	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
3249	500981.3	3732444.59	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
3250	500988.62	3732451.09	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
3251	500995.93	3732457.59	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
3252	501003.25	3732464.09	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
3253	501010.56	3732470.59	1.92E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
3254	501017.88	3732477.09	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
3255	501025.2	3732483.59	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
3256	501032.51	3732490.09	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
3257	501039.83	3732496.59	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
3258	501047.14	3732503.09	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
3259	501054.46	3732509.59	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
3260	501061.77	3732516.09	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
3261	501069.09	3732522.59	1.66E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
3262	501076.4	3732529.09	1.64E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
3263	501083.72	3732535.59	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
3264	501120.3	3732568.1	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
3265	501129.35	3732584.23	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
3266	501131.09	3732593.86	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3267	501132.83	3732603.49	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
3268	501134.58	3732613.12	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
3269	501136.32	3732622.75	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
3270	501138.06	3732632.38	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
3271	501139.8	3732642.01	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
3272	501141.54	3732651.64	1.34E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
3273	501143.28	3732661.27	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
3274	501145.02	3732670.9	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
3275	501146.76	3732680.53	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
3276	501148.5	3732690.16	1.29E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
3277	501150.24	3732699.79	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
3278	501151.98	3732709.42	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
3279	501153.72	3732719.05	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
3280	501155.47	3732728.68	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
3281	501157.21	3732738.31	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
3282	501158.95	3732747.94	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
3283	501160.69	3732757.57	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
3284	501162.43	3732767.2	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
3285	501164.17	3732776.83	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3286	501165.91	3732786.46	1.17E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
3287	501167.65	3732796.09	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
3288	501169.39	3732805.72	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
3289	501171.13	3732815.35	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
3290	501172.87	3732824.98	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
3291	501174.61	3732834.61	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
3292	501176.36	3732844.24	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
3293	501245.99	3733229.45	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
3294	501247.73	3733239.08	7.99E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
3295	501249.47	3733248.71	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
3296	501251.21	3733258.34	7.89E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
3297	500600.89	3732106.57	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3298	500591.77	3732102.78	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
3299	500582.64	3732098.99	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3300	500573.52	3732095.2	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3301	500564.39	3732091.41	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3302	500555.26	3732087.61	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3303	500546.14	3732083.82	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.74E-05	0.00E+00	0.00E+00
3304	500537.01	3732080.03	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3305	500527.88	3732076.24	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3306	500518.76	3732072.45	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
3307	500509.63	3732068.66	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
3308	500500.51	3732064.87	3.01E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
3309	500491.38	3732061.08	3.00E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
3310	500482.25	3732057.29	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
3311	500473.13	3732053.5	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3312	500464	3732049.7	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.46E-05	9.52E-05	0.00E+00	0.00E+00
3313	500454.88	3732045.91	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
3314	500445.75	3732042.12	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.42E-05	9.44E-05	0.00E+00	0.00E+00
3315	500436.62	3732038.33	2.92E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.39E-05	0.00E+00	0.00E+00
3316	500427.5	3732034.54	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
3317	500418.37	3732030.75	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.29E-05	0.00E+00	0.00E+00
3318	500409.24	3732026.96	2.87E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
3319	500400.12	3732023.17	2.86E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
3320	500390.99	3732019.38	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
3321	500381.87	3732015.58	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
3322	500372.74	3732011.79	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3323	500363.61	3732008	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3324	500354.49	3732004.21	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
3325	500345.36	3732000.42	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
3326	500336.23	3731996.63	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
3327	500327.11	3731992.84	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
3328	500317.98	3731989.05	2.66E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3329	500308.86	3731985.26	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
3330	500299.73	3731981.46	2.61E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
3331	500621.95	3732080.12	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3332	500629.3	3732086.66	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.33E-05	0.00E+00	0.00E+00
3333	500636.66	3732093.19	2.91E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.38E-05	9.35E-05	0.00E+00	0.00E+00
3334	500644.01	3732099.72	2.91E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
3335	500651.36	3732106.26	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3336	500658.72	3732112.79	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3337	500666.07	3732119.33	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3338	500673.42	3732125.86	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3339	500680.78	3732132.4	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3340	500739.6	3732184.67	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
3341	500746.96	3732191.2	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
3342	500754.31	3732197.74	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
3343	500761.67	3732204.27	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
3344	500769.02	3732210.8	2.81E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
3345	500776.37	3732217.34	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
3346	500783.73	3732223.87	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3347	500791.08	3732230.41	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
3348	500820.49	3732256.54	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
3349	500827.85	3732263.08	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3350	500835.2	3732269.61	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
3351	500842.55	3732276.15	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
3352	500849.91	3732282.68	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
3353	500857.26	3732289.21	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
3354	500864.61	3732295.75	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3355	500871.97	3732302.28	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
3356	500879.32	3732308.82	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00

3357	500886.67	3732315.35	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
3358	500894.03	3732321.88	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
3359	500901.38	3732328.42	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
3360	500908.74	3732334.95	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.63E-05	0.00E+00	0.00E+00
3361	500916.09	3732341.49	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
3362	500923.44	3732348.02	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
3363	500930.8	3732354.55	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
3364	500938.15	3732361.09	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
3365	500945.5	3732367.62	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
3366	500952.86	3732374.16	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.03E-05	0.00E+00	0.00E+00
3367	500960.21	3732380.69	2.16E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.92E-05	0.00E+00	0.00E+00
3368	500967.56	3732387.23	2.12E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
3369	500974.92	3732393.76	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
3370	500982.27	3732400.29	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
3371	500989.62	3732406.83	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
3372	500996.98	3732413.36	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
3373	501004.33	3732419.9	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
3374	501011.68	3732426.43	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
3375	501019.04	3732432.96	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
3376	501026.39	3732439.5	1.87E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
3377	501033.74	3732446.03	1.84E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
3378	501041.1	3732452.57	1.81E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
3379	501048.45	3732459.1	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.68E-05	5.73E-05	0.00E+00	0.00E+00
3380	501055.81	3732465.63	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
3381	501063.16	3732472.17	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
3382	501070.51	3732478.7	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
3383	501077.87	3732485.24	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
3384	501085.22	3732491.77	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
3385	501092.57	3732498.3	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
3386	501099.93	3732504.84	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
3387	501107.28	3732511.37	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
3388	501114.63	3732517.91	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
3389	501121.99	3732524.44	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
3390	501129.34	3732530.98	1.47E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
3391	501136.69	3732537.51	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
3392	501144.05	3732544.04	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3393	501151.4	3732550.58	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
3394	501164	3732586.15	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
3395	501165.75	3732595.83	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
3396	501167.5	3732605.51	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
3397	501169.25	3732615.19	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
3398	501171	3732624.87	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
3399	501172.75	3732634.55	1.28E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
3400	501174.5	3732644.23	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
3401	501176.25	3732653.91	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
3402	501178	3732663.59	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
3403	501179.75	3732673.27	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
3404	501181.5	3732682.95	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
3405	501183.25	3732692.63	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
3406	501185	3732702.31	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
3407	501186.75	3732712	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3408	501188.5	3732721.68	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
3409	501190.25	3732731.36	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
3410	501192	3732741.04	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
3411	501193.75	3732750.72	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
3412	501195.5	3732760.4	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.64E-05	0.00E+00	0.00E+00
3413	501197.25	3732770.08	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
3414	501199	3732779.76	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
3415	501200.75	3732789.44	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
3416	501202.5	3732799.12	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
3417	501204.25	3732808.8	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
3418	501206	3732818.48	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
3419	501207.75	3732828.16	1.06E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
3420	501275.99	3733205.69	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
3421	501277.74	3733215.37	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
3422	501279.49	3733225.05	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
3423	501281.24	3733234.73	7.63E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
3424	501282.99	3733244.41	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
3425	501284.74	3733254.09	7.54E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
3426	501286.49	3733263.77	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
3427	500614.6	3732073.59	2.89E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3428	500605.47	3732069.8	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
3429	500596.34	3732066.01	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3430	500587.22	3732062.22	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3431	500578.09	3732058.42	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3432	500568.96	3732054.63	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3433	500559.84	3732050.84	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3434	500550.71	3732047.05	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
3435	500541.59	3732043.26	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3436	500532.46	3732039.47	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
3437	500523.33	3732035.68	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
3438	500514.21	3732031.89	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
3439	500505.08	3732028.1	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
3440	500495.95	3732024.3	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
3441	500486.83	3732020.51	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
3442	500477.7	3732016.72	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
3443	500468.58	3732012.93	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.08E-05	0.00E+00	0.00E+00
3444	500459.45	3732009.14	2.81E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.03E-05	0.00E+00	0.00E+00
3445	500450.32	3732005.35	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3446	500441.2	3732001.56	2.79E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
3447	500432.07	3731997.77	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
3448	500422.94	3731993.98	2.75E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.84E-05	0.00E+00	0.00E+00
3449	500413.82	3731990.18	2.74E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
3450	500404.69	3731986.39	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
3451	500395.57	3731982.6	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.06E-05	8.67E-05	0.00E+00	0.00E+00
3452	500386.44	3731978.81	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
3453	500377.31	3731975.02	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.01E-05	8.54E-05	0.00E+00	0.00E+00
3454	500368.19	3731971.23	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
3455	500359.06	3731967.44	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
3456	500349.94	3731963.65	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
3457	500340.81	3731959.86	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
3458	500331.68	3731956.06	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
3459	500322.56	3731952.27	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
3460	500313.43	3731948.48	2.50E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
3461	500304.3	3731944.69	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
3462	500295.18	3731940.9	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
3463	500286.05	3731937.11	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3464	500635.59	3732047.09	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3465	500642.88	3732053.57	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
3466	500650.18	3732060.05	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
3467	500657.47	3732066.53	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3468	500664.76	3732073.01	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00

3469	500672.06	3732079.49	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3470	500679.35	3732085.97	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3471	500686.64	3732092.45	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3472	500693.94	3732098.93	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
3473	500701.23	3732105.41	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3474	500708.52	3732111.9	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
3475	500715.82	3732118.38	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
3476	500723.11	3732124.86	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
3477	500730.41	3732131.34	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3478	500788.75	3732183.18	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.65E-05	0.00E+00	0.00E+00
3479	500796.05	3732189.66	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
3480	500803.34	3732196.15	2.66E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.55E-05	0.00E+00	0.00E+00
3481	500810.63	3732202.63	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.98E-05	8.50E-05	0.00E+00	0.00E+00
3482	500817.93	3732209.11	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
3483	500825.22	3732215.59	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
3484	500832.51	3732222.07	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3485	500839.81	3732228.55	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3486	500847.1	3732235.03	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
3487	500854.39	3732241.51	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
3488	500861.69	3732247.99	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
3489	500868.98	3732254.47	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
3490	500876.28	3732260.95	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
3491	500883.57	3732267.43	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
3492	500890.86	3732273.92	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3493	500898.16	3732280.4	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
3494	500905.45	3732286.88	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
3495	500912.74	3732293.36	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
3496	500920.04	3732299.84	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
3497	500927.33	3732306.32	2.29E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.37E-05	0.00E+00	0.00E+00
3498	500934.62	3732312.8	2.27E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
3499	500941.92	3732319.28	2.24E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
3500	500949.21	3732325.76	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
3501	500956.5	3732332.24	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
3502	500963.8	3732338.72	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
3503	500971.09	3732345.2	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
3504	500978.38	3732351.68	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
3505	500985.68	3732358.17	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
3506	500992.97	3732364.65	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
3507	501000.26	3732371.13	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.43E-05	0.00E+00	0.00E+00
3508	501007.56	3732377.61	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
3509	501014.85	3732384.09	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
3510	501022.15	3732390.57	1.91E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
3511	501029.44	3732397.05	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
3512	501036.73	3732403.53	1.86E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
3513	501044.03	3732410.01	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
3514	501051.32	3732416.49	1.80E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.71E-05	5.77E-05	0.00E+00	0.00E+00
3515	501058.61	3732422.97	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
3516	501065.91	3732429.45	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
3517	501073.2	3732435.93	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
3518	501080.49	3732442.42	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
3519	501087.79	3732448.9	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
3520	501095.08	3732455.38	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
3521	501102.37	3732461.86	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
3522	501109.67	3732468.34	1.58E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
3523	501116.96	3732474.82	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
3524	501124.25	3732481.3	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
3525	501131.55	3732487.78	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
3526	501138.84	3732494.26	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
3527	501146.13	3732500.74	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
3528	501153.43	3732507.22	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3529	501160.72	3732513.7	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
3530	501168.02	3732520.19	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
3531	501175.31	3732526.67	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
3532	501182.6	3732533.15	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
3533	501191.63	3732549.23	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
3534	501193.37	3732558.83	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
3535	501195.1	3732568.43	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
3536	501198.57	3732587.63	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
3537	501200.31	3732597.23	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
3538	501202.04	3732606.84	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
3539	501203.78	3732616.44	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
3540	501205.52	3732626.04	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
3541	501207.25	3732635.64	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
3542	501208.99	3732645.24	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3543	501210.72	3732654.84	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
3544	501212.46	3732664.44	1.17E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
3545	501214.19	3732674.04	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
3546	501215.93	3732683.65	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
3547	501217.67	3732693.25	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
3548	501219.4	3732702.85	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
3549	501221.14	3732712.45	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
3550	501222.87	3732722.05	1.10E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
3551	501224.61	3732731.65	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
3552	501226.34	3732741.25	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
3553	501228.08	3732750.85	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
3554	501229.81	3732760.46	1.07E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
3555	501231.55	3732770.06	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
3556	501233.29	3732779.66	1.05E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
3557	501235.02	3732789.26	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
3558	501236.76	3732798.86	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
3559	501238.49	3732808.46	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
3560	501240.23	3732818.06	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
3561	501311.39	3733211.71	7.36E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
3562	501313.12	3733221.31	7.31E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
3563	501314.86	3733230.92	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
3564	501316.59	3733240.52	7.22E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	1.33E-04	0.00E+00	0.00E+00	1.09E-05	2.32E-05	0.00E+00	0.00E+00
3565	501318.33	3733250.12	7.18E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	1.32E-04	0.00E+00	0.00E+00	1.08E-05	2.31E-05	0.00E+00	0.00E+00
3566	501320.06	3733259.72	7.14E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	1.32E-04	0.00E+00	0.00E+00	1.07E-05	2.29E-05	0.00E+00	0.00E+00
3567	501321.8	3733269.32	7.10E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
3568	500628.3	3732040.61	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3569	500619.17	3732036.82	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3570	500610.04	3732033.02	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3571	500600.92	3732029.23	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3572	500591.79	3732025.44	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
3573	500582.67	3732021.65	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3574	500573.54	3732017.86	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3575	500564.41	3732014.07	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3576	500555.29	3732010.28	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3577	500546.16	3732006.49	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
3578	500537.03	3732002.7	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
3579	500527.91	3731998.9	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
3580	500518.78	3731995.11	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00

3581	500509.66	3731991.32	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.80E-05	0.00E+00	0.00E+00
3582	500500.53	3731987.53	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
3583	500491.4	3731983.74	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
3584	500482.28	3731979.95	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
3585	500473.15	3731976.16	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
3586	500464.02	3731972.37	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
3587	500454.9	3731968.58	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
3588	500445.77	3731964.79	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3589	500436.65	3731960.99	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
3590	500427.52	3731957.2	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
3591	500418.39	3731953.41	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
3592	500409.27	3731949.62	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3593	500400.14	3731945.83	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3594	500391.01	3731942.04	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
3595	500381.89	3731938.25	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
3596	500372.76	3731934.46	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
3597	500363.64	3731930.67	2.50E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.01E-05	0.00E+00	0.00E+00
3598	500354.51	3731926.87	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
3599	500345.38	3731923.08	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
3600	500336.26	3731919.29	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3601	500327.13	3731915.5	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
3602	500318	3731911.71	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
3603	500308.88	3731907.92	2.36E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
3604	500299.75	3731904.13	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
3605	500290.63	3731900.34	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
3606	499844.34	3732909.68	1.27E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
3607	499853.72	3732908.76	1.36E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.37E-04	0.00E+00	0.00E+00
3608	499863.1	3732907.85	1.45E-03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.66E-04	0.00E+00	0.00E+00
3609	499814.5	3732894.85	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
3610	499823.88	3732893.94	1.02E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
3611	499833.26	3732893.03	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
3612	499842.63	3732892.12	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
3613	499852.01	3732891.21	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.89E-04	0.00E+00	0.00E+00
3614	499861.39	3732890.29	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
3615	499870.77	3732889.38	1.36E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
3616	499803.41	3732878.2	8.42E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
3617	499812.79	3732877.29	8.86E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
3618	499822.17	3732876.38	9.33E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	3.00E-04	0.00E+00	0.00E+00
3619	499831.55	3732875.47	9.83E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
3620	499840.93	3732874.56	1.04E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
3621	499850.31	3732873.65	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.51E-04	0.00E+00	0.00E+00
3622	499859.69	3732872.74	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.70E-04	0.00E+00	0.00E+00
3623	499869.06	3732871.82	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.89E-04	0.00E+00	0.00E+00
3624	499878.44	3732870.91	1.27E-03	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
3625	499774.03	3732879.07	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
3626	499778.49	3732870.77	7.19E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
3627	499792.33	3732861.56	7.48E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
3628	499801.71	3732860.65	7.83E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
3629	499811.08	3732859.73	8.21E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
3630	499820.46	3732858.82	8.60E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
3631	499829.84	3732857.91	9.03E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
3632	499839.22	3732857	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
3633	499848.6	3732856.09	9.95E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
3634	499857.98	3732855.18	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
3635	499867.36	3732854.27	1.09E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.51E-04	0.00E+00	0.00E+00
3636	499876.74	3732853.35	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
3637	499886.12	3732852.44	1.20E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
3638	499758.49	3732870.73	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.81E-05	2.09E-04	0.00E+00	0.00E+00
3639	499762.95	3732862.43	6.50E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
3640	499767.4	3732854.13	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.75E-05	2.08E-04	0.00E+00	0.00E+00
3641	499781.24	3732844.91	6.72E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
3642	499790.62	3732844	7.01E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
3643	499800	3732843.09	7.31E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
3644	499809.38	3732842.18	7.64E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
3645	499818.76	3732841.27	7.98E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
3646	499828.14	3732840.35	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
3647	499837.51	3732839.44	8.73E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
3648	499846.89	3732838.53	9.13E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
3649	499856.27	3732837.62	9.54E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
3650	499865.65	3732836.71	9.97E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
3651	499875.03	3732835.8	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
3652	499884.41	3732834.88	1.08E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.00E-03	0.00E+00	0.00E+00	1.63E-04	3.48E-04	0.00E+00	0.00E+00
3653	499893.79	3732833.97	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
3654	499742.95	3732862.39	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.90E-04	0.00E+00	0.00E+00
3655	499747.41	3732854.08	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
3656	499751.86	3732845.78	5.90E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.88E-05	1.89E-04	0.00E+00	0.00E+00
3657	499756.32	3732837.48	5.88E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
3658	499770.16	3732828.26	6.09E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
3659	499779.53	3732827.35	6.33E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.52E-05	2.03E-04	0.00E+00	0.00E+00
3660	499788.91	3732826.44	6.58E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.91E-05	2.11E-04	0.00E+00	0.00E+00
3661	499798.29	3732825.53	6.85E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
3662	499807.67	3732824.62	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
3663	499817.05	3732823.71	7.44E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
3664	499826.43	3732822.8	7.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
3665	499835.81	3732821.88	8.09E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
3666	499845.19	3732820.97	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
3667	499854.57	3732820.06	8.79E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
3668	499863.95	3732819.15	9.16E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
3669	499873.32	3732818.24	9.54E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
3670	499882.7	3732817.33	9.92E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.19E-04	0.00E+00	0.00E+00
3671	499892.08	3732816.41	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
3672	499901.46	3732815.5	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
3673	499727.41	3732854.04	5.43E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
3674	499731.86	3732845.74	5.42E-04	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.99E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
3675	499736.32	3732837.44	5.40E-04	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
3676	499740.78	3732829.13	5.39E-04	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
3677	499745.23	3732820.83	5.37E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
3678	499759.07	3732811.62	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
3679	499768.45	3732810.71	5.75E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.66E-05	1.85E-04	0.00E+00	0.00E+00
3680	499777.83	3732809.79	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
3681	499787.21	3732808.88	6.20E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
3682	499796.59	3732807.97	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
3683	499805.97	3732807.06	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
3684	499815.34	3732806.15	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
3685	499824.72	3732805.24	7.24E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
3686	499834.1	3732804.33	7.53E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
3687	499843.48	3732803.41	7.83E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
3688	499852.86	3732802.5	8.14E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
3689	499862.24	3732801.59	8.47E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
3690	499871.62	3732800.68	8.79E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
3691	499881	3732799.77	9.13E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
3692	499890.38	3732798.86	9.46E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04	1.74E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00

3693	499899.75	3732797.94	9.80E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
3694	499909.13	3732797.03	1.01E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.25E-04	0.00E+00	0.00E+00
3695	499710.45	3732848.32	5.00E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
3696	499715.15	3732839.58	4.99E-04	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
3697	499719.84	3732830.84	4.98E-04	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
3698	499724.53	3732822.1	4.97E-04	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.48E-05	1.60E-04	0.00E+00	0.00E+00
3699	499729.22	3732813.36	4.96E-04	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.14E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
3700	499733.91	3732804.62	4.94E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
3701	499748.48	3732794.92	5.10E-04	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.40E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
3702	499758.35	3732793.96	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
3703	499768.22	3732793	5.48E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.26E-05	1.76E-04	0.00E+00	0.00E+00
3704	499778.1	3732792.04	5.69E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.57E-05	1.83E-04	0.00E+00	0.00E+00
3705	499787.97	3732791.09	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
3706	499797.84	3732790.13	6.14E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.24E-05	1.97E-04	0.00E+00	0.00E+00
3707	499807.71	3732789.17	6.38E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.61E-05	2.05E-04	0.00E+00	0.00E+00
3708	499817.59	3732788.21	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
3709	499827.46	3732787.25	6.90E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
3710	499837.33	3732786.29	7.18E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
3711	499847.2	3732785.33	7.46E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
3712	499857.08	3732784.37	7.76E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
3713	499866.95	3732783.41	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
3714	499876.82	3732782.45	8.37E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
3715	499886.69	3732781.49	8.68E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
3716	499896.57	3732780.53	9.00E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
3717	499906.44	3732779.57	9.31E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
3718	499916.31	3732778.61	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
3719	499689.36	3732831.67	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
3720	499694.02	3732822.99	4.45E-04	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
3721	499698.68	3732814.31	4.44E-04	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
3722	499703.34	3732805.63	4.43E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
3723	499708	3732796.95	4.42E-04	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.15E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
3724	499712.66	3732788.27	4.41E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.12E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
3725	499717.32	3732779.59	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
3726	499731.78	3732769.96	4.53E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
3727	499741.59	3732769.01	4.68E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
3728	499751.39	3732768.05	4.83E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
3729	499761.2	3732767.1	5.00E-04	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.21E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
3730	499771	3732766.15	5.17E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.53E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
3731	499780.81	3732765.19	5.35E-04	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
3732	499790.61	3732764.24	5.54E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
3733	499800.42	3732763.29	5.74E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
3734	499810.23	3732762.34	5.95E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
3735	499820.03	3732761.38	6.17E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.29E-05	1.98E-04	0.00E+00	0.00E+00
3736	499829.84	3732760.43	6.40E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.64E-05	2.06E-04	0.00E+00	0.00E+00
3737	499839.64	3732759.48	6.64E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
3738	499849.45	3732758.52	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
3739	499859.25	3732757.57	7.13E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
3740	499869.06	3732756.62	7.38E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
3741	499878.86	3732755.67	7.64E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
3742	499888.67	3732754.71	7.91E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
3743	499898.47	3732753.76	8.17E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
3744	499908.28	3732752.81	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
3745	499918.08	3732751.85	8.70E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
3746	499927.89	3732750.9	8.96E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
3747	499663.63	3732823.65	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
3748	499668.27	3732815.02	4.00E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
3749	499672.9	3732806.38	4.00E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
3750	499677.54	3732797.75	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
3751	499682.17	3732789.11	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
3752	499686.81	3732780.48	3.98E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
3753	499691.44	3732771.85	3.97E-04	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
3754	499696.08	3732763.21	3.96E-04	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.29E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
3755	499700.71	3732754.58	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
3756	499715.1	3732744.99	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
3757	499724.86	3732744.05	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
3758	499734.61	3732743.1	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
3759	499744.37	3732742.15	4.44E-04	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
3760	499754.12	3732741.2	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
3761	499763.87	3732740.25	4.73E-04	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.72E-04	0.00E+00	0.00E+00	7.12E-05	1.52E-04	0.00E+00	0.00E+00
3762	499773.63	3732739.31	4.88E-04	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
3763	499783.38	3732738.36	5.04E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
3764	499793.14	3732737.41	5.21E-04	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.61E-04	0.00E+00	0.00E+00	7.85E-05	1.67E-04	0.00E+00	0.00E+00
3765	499802.89	3732736.46	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
3766	499812.64	3732735.51	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
3767	499822.4	3732734.57	5.76E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
3768	499832.15	3732733.62	5.96E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
3769	499841.91	3732732.67	6.16E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
3770	499851.66	3732731.72	6.37E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
3771	499861.42	3732730.77	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
3772	499871.17	3732729.83	6.80E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
3773	499880.92	3732728.88	7.03E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
3774	499890.68	3732727.93	7.25E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
3775	499900.43	3732726.98	7.48E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
3776	499910.19	3732726.03	7.70E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
3777	499919.94	3732725.09	7.93E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
3778	499929.69	3732724.14	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
3779	499939.45	3732723.19	8.37E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
3780	499637.94	3732815.56	3.63E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
3781	499642.56	3732806.96	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
3782	499647.17	3732798.36	3.63E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
3783	499651.79	3732789.76	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
3784	499656.41	3732781.16	3.62E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
3785	499661.02	3732772.56	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
3786	499665.64	3732763.97	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
3787	499670.26	3732755.37	3.59E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
3788	499674.87	3732746.77	3.59E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
3789	499679.49	3732738.17	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
3790	499684.11	3732729.57	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
3791	499698.44	3732720.03	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
3792	499708.15	3732719.08	3.76E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
3793	499717.86	3732718.14	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
3794	499727.58	3732717.2	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
3795	499737.29	3732716.25	4.10E-04	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
3796	499747.01	3732715.31	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.36E-04	0.00E+00	0.00E+00
3797	499756.72	3732714.36	4.35E-04	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
3798	499766.43	3732713.42	4.48E-04	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
3799	499776.15	3732712.48	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
3800	499785.86	3732711.53	4.76E-04	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
3801	499795.57	3732710.59	4.91E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
3802	499805.29	3732709.64	5.07E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.34E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
3803	499815	3732708.7	5.23E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
3804	499824.72	3732707.76	5.40E-04	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.95E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00

3805	499834.43	3732706.81	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
3806	499844.14	3732705.87	5.75E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.85E-04	0.00E+00	0.00E+00
3807	499853.86	3732704.92	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
3808	499863.57	3732703.98	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
3809	499873.29	3732703.03	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.49E-05	2.02E-04	0.00E+00	0.00E+00
3810	499883	3732702.09	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
3811	499892.71	3732701.15	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
3812	499902.43	3732700.2	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
3813	499912.14	3732699.26	7.08E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.30E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
3814	499921.86	3732698.31	7.27E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.34E-04	0.00E+00	0.00E+00
3815	499931.57	3732697.37	7.47E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
3816	499941.28	3732696.43	7.66E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
3817	499951	3732695.48	7.84E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
3818	499616.88	3732798.84	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
3819	499621.48	3732790.27	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
3820	499626.08	3732781.7	3.31E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
3821	499630.68	3732773.13	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
3822	499635.29	3732764.56	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
3823	499639.89	3732755.99	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
3824	499644.49	3732747.42	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
3825	499649.09	3732738.85	3.28E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
3826	499653.69	3732730.28	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
3827	499658.29	3732721.71	3.26E-04	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.02E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
3828	499662.89	3732713.14	3.26E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
3829	499667.49	3732704.57	3.25E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
3830	499681.78	3732695.06	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
3831	499691.46	3732694.12	3.41E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
3832	499701.14	3732693.18	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
3833	499710.82	3732692.24	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
3834	499720.5	3732691.3	3.70E-04	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
3835	499730.18	3732690.36	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
3836	499739.86	3732689.42	3.90E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
3837	499749.55	3732688.47	4.02E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
3838	499759.23	3732687.53	4.13E-04	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
3839	499768.91	3732686.59	4.25E-04	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
3840	499778.59	3732685.65	4.38E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
3841	499788.27	3732684.71	4.50E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
3842	499797.95	3732683.77	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
3843	499807.63	3732682.83	4.78E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
3844	499817.32	3732681.89	4.92E-04	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
3845	499827	3732680.95	5.07E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.34E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
3846	499836.68	3732680.01	5.22E-04	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
3847	499846.36	3732679.07	5.38E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
3848	499856.04	3732678.12	5.54E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
3849	499865.72	3732677.18	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
3850	499875.4	3732676.24	5.86E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
3851	499885.09	3732675.3	6.03E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.08E-05	1.94E-04	0.00E+00	0.00E+00
3852	499894.77	3732674.36	6.20E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
3853	499904.45	3732673.42	6.37E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
3854	499914.13	3732672.48	6.54E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
3855	499923.81	3732671.54	6.71E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
3856	499933.49	3732670.6	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
3857	499943.17	3732669.66	7.05E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
3858	499952.86	3732668.72	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
3859	499962.54	3732667.77	7.37E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
3860	499591.23	3732790.68	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.76E-05	0.00E+00	0.00E+00
3861	499595.82	3732782.14	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
3862	499600.41	3732773.59	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3863	499604.99	3732765.04	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3864	499609.58	3732756.5	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
3865	499614.17	3732747.95	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3866	499618.76	3732739.4	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
3867	499623.35	3732730.86	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
3868	499627.94	3732722.31	3.01E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.66E-05	0.00E+00	0.00E+00
3869	499632.52	3732713.76	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
3870	499637.11	3732705.22	3.00E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
3871	499641.7	3732696.67	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
3872	499646.29	3732688.12	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
3873	499650.88	3732679.58	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3874	499665.12	3732670.09	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
3875	499674.78	3732669.16	3.12E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
3876	499684.43	3732668.22	3.19E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
3877	499694.08	3732667.28	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
3878	499703.74	3732666.34	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
3879	499713.39	3732665.4	3.44E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
3880	499723.05	3732664.46	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
3881	499732.7	3732663.53	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
3882	499742.36	3732662.59	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
3883	499752.01	3732661.65	3.83E-04	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
3884	499761.67	3732660.71	3.93E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
3885	499771.32	3732659.77	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
3886	499780.98	3732658.83	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
3887	499790.63	3732657.9	4.27E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
3888	499800.29	3732656.96	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
3889	499809.94	3732656.02	4.51E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
3890	499819.6	3732655.08	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.99E-05	1.49E-04	0.00E+00	0.00E+00
3891	499829.25	3732654.14	4.77E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
3892	499838.91	3732653.2	4.91E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.04E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
3893	499848.56	3732652.27	5.05E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
3894	499858.22	3732651.33	5.19E-04	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
3895	499867.87	3732650.39	5.33E-04	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
3896	499877.53	3732649.45	5.48E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.24E-05	1.76E-04	0.00E+00	0.00E+00
3897	499887.18	3732648.51	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
3898	499896.84	3732647.57	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
3899	499906.49	3732646.64	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
3900	499916.14	3732645.7	6.07E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.12E-03	0.00E+00	0.00E+00	9.14E-05	1.95E-04	0.00E+00	0.00E+00
3901	499925.8	3732644.76	6.22E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.37E-05	2.00E-04	0.00E+00	0.00E+00
3902	499935.45	3732643.82	6.37E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
3903	499945.11	3732642.88	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.81E-05	2.09E-04	0.00E+00	0.00E+00
3904	499954.76	3732641.94	6.66E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
3905	499964.42	3732641.01	6.81E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
3906	499974.07	3732640.07	6.95E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
3907	499565.59	3732782.49	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3908	499570.17	3732773.96	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
3909	499574.75	3732765.44	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3910	499579.33	3732756.91	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
3911	499583.9	3732748.38	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
3912	499588.48	3732739.86	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
3913	499593.06	3732731.33	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
3914	499597.64	3732722.8	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3915	499602.22	3732714.28	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3916	499606.79	3732705.75	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00

3917	499611.37	3732697.22	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.88E-05	0.00E+00	0.00E+00
3918	499615.95	3732688.7	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
3919	499620.53	3732680.17	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
3920	499625.1	3732671.64	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
3921	499629.68	3732663.12	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
3922	499634.26	3732654.59	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.80E-05	0.00E+00	0.00E+00
3923	499648.47	3732645.13	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3924	499658.1	3732644.19	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
3925	499667.73	3732643.25	2.93E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.40E-05	0.00E+00	0.00E+00
3926	499677.37	3732642.32	2.99E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
3927	499687	3732641.38	3.07E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
3928	499696.63	3732640.44	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
3929	499706.26	3732639.51	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
3930	499715.9	3732638.57	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
3931	499725.53	3732637.64	3.38E-04	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
3932	499735.16	3732636.7	3.47E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
3933	499744.79	3732635.76	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
3934	499754.43	3732634.83	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
3935	499764.06	3732633.89	3.74E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
3936	499773.69	3732632.96	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
3937	499783.32	3732632.02	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
3938	499792.96	3732631.08	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
3939	499802.59	3732630.15	4.16E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
3940	499812.22	3732629.21	4.27E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
3941	499821.85	3732628.27	4.39E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
3942	499831.49	3732627.34	4.50E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
3943	499841.12	3732626.4	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
3944	499850.75	3732625.47	4.75E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
3945	499860.38	3732624.53	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
3946	499870.02	3732623.59	5.00E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
3947	499879.65	3732622.66	5.13E-04	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
3948	499889.28	3732621.72	5.26E-04	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
3949	499898.91	3732620.79	5.39E-04	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
3950	499908.55	3732619.85	5.53E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
3951	499918.18	3732618.91	5.66E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
3952	499927.81	3732617.98	5.79E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
3953	499937.44	3732617.04	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
3954	499947.07	3732616.1	6.06E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.94E-04	0.00E+00	0.00E+00
3955	499956.71	3732615.17	6.19E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
3956	499966.34	3732614.23	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
3957	499975.97	3732613.3	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
3958	499985.6	3732612.36	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
3959	499542.55	3732769.47	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3960	499547.24	3732760.74	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3961	499551.92	3732752.01	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
3962	499556.61	3732743.28	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
3963	499561.29	3732734.56	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
3964	499565.98	3732725.83	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
3965	499570.67	3732717.1	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
3966	499575.35	3732708.37	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
3967	499580.04	3732699.64	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3968	499584.72	3732690.92	2.57E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
3969	499589.41	3732682.19	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
3970	499594.09	3732673.46	2.56E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
3971	499598.78	3732664.73	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
3972	499603.47	3732656	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
3973	499608.15	3732647.28	2.54E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
3974	499612.84	3732638.55	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3975	499617.52	3732629.82	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
3976	499632.07	3732620.13	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
3977	499641.93	3732619.18	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
3978	499651.79	3732618.22	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.06E-05	8.67E-05	0.00E+00	0.00E+00
3979	499661.65	3732617.26	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
3980	499671.51	3732616.3	2.82E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
3981	499681.37	3732615.34	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
3982	499691.23	3732614.38	2.96E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.46E-05	9.50E-05	0.00E+00	0.00E+00
3983	499701.09	3732613.43	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3984	499710.95	3732612.47	3.11E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
3985	499720.81	3732611.51	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
3986	499730.67	3732610.55	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
3987	499740.53	3732609.59	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
3988	499750.39	3732608.63	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
3989	499760.25	3732607.68	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
3990	499770.11	3732606.72	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
3991	499779.97	3732605.76	3.70E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
3992	499789.83	3732604.8	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
3993	499799.69	3732603.84	3.90E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
3994	499809.55	3732602.88	4.00E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
3995	499819.41	3732601.93	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
3996	499829.27	3732600.97	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
3997	499839.13	3732600.01	4.32E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
3998	499848.99	3732599.05	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
3999	499858.85	3732598.09	4.55E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
4000	499868.71	3732597.13	4.67E-04	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.02E-05	1.50E-04	0.00E+00	0.00E+00
4001	499878.57	3732596.18	4.78E-04	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.82E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
4002	499888.43	3732595.22	4.90E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
4003	499898.29	3732594.26	5.02E-04	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.26E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
4004	499908.15	3732593.3	5.15E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.48E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
4005	499918.01	3732592.34	5.27E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
4006	499927.87	3732591.39	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
4007	499937.73	3732590.43	5.51E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.02E-03	0.00E+00	0.00E+00	8.30E-05	1.77E-04	0.00E+00	0.00E+00
4008	499947.59	3732589.47	5.63E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
4009	499957.45	3732588.51	5.75E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.66E-05	1.85E-04	0.00E+00	0.00E+00
4010	499967.31	3732587.55	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
4011	499977.17	3732586.59	5.98E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
4012	499987.03	3732585.64	6.10E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
4013	499996.89	3732584.68	6.21E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
4014	499516.86	3732761.38	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
4015	499521.53	3732752.68	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
4016	499526.2	3732743.98	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
4017	499530.87	3732735.28	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
4018	499535.54	3732726.59	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
4019	499540.21	3732717.89	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
4020	499544.88	3732709.19	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
4021	499549.55	3732700.49	2.40E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
4022	499554.22	3732691.8	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
4023	499558.89	3732683.1	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
4024	499563.56	3732674.4	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
4025	499568.23	3732665.7	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
4026	499572.89	3732657	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
4027	499577.56	3732648.31	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
4028	499582.23	3732639.61	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00

4029	499586.9	3732630.91	2.36E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
4030	499591.57	3732622.21	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
4031	499596.24	3732613.52	2.36E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
4032	499600.91	3732604.82	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
4033	499615.41	3732595.17	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
4034	499625.23	3732594.21	2.44E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
4035	499635.06	3732593.26	2.50E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
4036	499644.88	3732592.3	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
4037	499654.71	3732591.35	2.61E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
4038	499664.53	3732590.39	2.66E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.55E-05	0.00E+00	0.00E+00
4039	499674.36	3732589.44	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
4040	499684.19	3732588.48	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
4041	499694.01	3732587.53	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
4042	499703.84	3732586.57	2.92E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
4043	499713.66	3732585.62	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
4044	499723.49	3732584.66	3.05E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.81E-05	0.00E+00	0.00E+00
4045	499733.31	3732583.71	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
4046	499743.14	3732582.75	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
4047	499752.96	3732581.8	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
4048	499762.79	3732580.84	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
4049	499772.62	3732579.89	3.44E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
4050	499782.44	3732578.93	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
4051	499792.27	3732577.98	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
4052	499802.09	3732577.02	3.71E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
4053	499811.92	3732576.07	3.80E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
4054	499821.74	3732575.11	3.90E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
4055	499831.57	3732574.16	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
4056	499841.39	3732573.2	4.09E-04	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.55E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
4057	499851.22	3732572.25	4.20E-04	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
4058	499861.05	3732571.29	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
4059	499870.87	3732570.34	4.40E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
4060	499880.7	3732569.38	4.51E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
4061	499890.52	3732568.43	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
4062	499900.35	3732567.47	4.73E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.71E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
4063	499910.17	3732566.52	4.83E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
4064	499920	3732565.56	4.94E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
4065	499929.82	3732564.61	5.05E-04	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.31E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
4066	499939.65	3732563.65	5.16E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
4067	499949.48	3732562.7	5.27E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
4068	499959.3	3732561.74	5.38E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
4069	499969.13	3732560.79	5.48E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
4070	499978.95	3732559.83	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
4071	499988.78	3732558.88	5.69E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
4072	499998.6	3732557.92	5.79E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
4073	500008.43	3732556.97	5.88E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.86E-05	1.89E-04	0.00E+00	0.00E+00
4074	499491.19	3732753.25	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4075	499495.85	3732744.58	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4076	499500.5	3732735.91	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4077	499505.16	3732727.23	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
4078	499509.81	3732718.56	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
4079	499514.47	3732709.89	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
4080	499542.4	3732657.86	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
4081	499547.05	3732649.19	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
4082	499551.71	3732640.52	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.12E-05	0.00E+00	0.00E+00
4083	499556.37	3732631.85	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
4084	499561.02	3732623.18	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
4085	499565.68	3732614.51	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
4086	499570.33	3732605.84	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
4087	499574.99	3732597.17	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
4088	499579.64	3732588.49	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
4089	499584.3	3732579.82	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
4090	499598.75	3732570.2	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
4091	499608.54	3732569.25	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
4092	499618.34	3732568.3	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
4093	499628.14	3732567.34	2.37E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
4094	499637.93	3732566.39	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
4095	499647.73	3732565.44	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
4096	499657.52	3732564.49	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
4097	499667.32	3732563.54	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
4098	499677.12	3732562.58	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
4099	499686.91	3732561.63	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
4100	499696.71	3732560.68	2.74E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
4101	499706.5	3732559.73	2.81E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
4102	499716.3	3732558.77	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
4103	499726.09	3732557.82	2.93E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.42E-05	0.00E+00	0.00E+00
4104	499735.89	3732556.87	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4105	499745.69	3732555.92	3.07E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
4106	499755.48	3732554.97	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
4107	499765.28	3732554.01	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
4108	499775.07	3732553.06	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
4109	499784.87	3732552.11	3.37E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
4110	499794.66	3732551.16	3.45E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
4111	499804.46	3732550.21	3.54E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
4112	499814.26	3732549.25	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
4113	499824.05	3732548.3	3.71E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
4114	499833.85	3732547.35	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
4115	499843.64	3732546.4	3.89E-04	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
4116	499853.44	3732545.45	3.98E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
4117	499863.23	3732544.49	4.07E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
4118	499873.03	3732543.54	4.17E-04	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
4119	499882.83	3732542.59	4.26E-04	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
4120	499892.62	3732541.64	4.36E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
4121	499902.42	3732540.69	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
4122	499912.21	3732539.73	4.55E-04	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
4123	499922.01	3732538.78	4.65E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
4124	499931.81	3732537.83	4.75E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.76E-04	0.00E+00	0.00E+00	7.15E-05	1.53E-04	0.00E+00	0.00E+00
4125	499941.6	3732536.88	4.85E-04	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
4126	499951.4	3732535.93	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
4127	499961.19	3732534.97	5.04E-04	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
4128	499970.99	3732534.02	5.14E-04	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
4129	499980.78	3732533.07	5.23E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
4130	499990.58	3732532.12	5.32E-04	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.81E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
4131	500000.38	3732531.17	5.41E-04	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
4132	499354.1	3732952.65	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
4133	499358.75	3732944	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
4134	499363.39	3732935.35	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
4135	499470.18	3732736.44	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4136	499474.82	3732727.79	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4137	499479.47	3732719.15	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4138	499484.11	3732710.5	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4139	499488.75	3732701.85	2.10E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4140	499493.39	3732693.2	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00

4141	499535.18	3732615.37	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
4142	499539.82	3732606.72	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
4143	499544.47	3732598.07	2.06E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4144	499549.11	3732589.42	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
4145	499553.75	3732580.77	2.06E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
4146	499558.4	3732572.13	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
4147	499563.04	3732563.48	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.58E-05	0.00E+00	0.00E+00
4148	499567.68	3732554.83	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
4149	499582.09	3732545.23	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
4150	499591.86	3732544.28	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
4151	499601.63	3732543.33	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
4152	499611.4	3732542.38	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.31E-05	7.07E-05	0.00E+00	0.00E+00
4153	499621.17	3732541.43	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4154	499630.94	3732540.48	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
4155	499640.71	3732539.53	2.34E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
4156	499650.48	3732538.59	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
4157	499660.25	3732537.64	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
4158	499670.02	3732536.69	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
4159	499679.79	3732535.74	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
4160	499689.56	3732534.79	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
4161	499699.33	3732533.84	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
4162	499709.1	3732532.89	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
4163	499718.87	3732531.94	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
4164	499728.64	3732530.99	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
4165	499738.41	3732530.04	2.88E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
4166	499748.18	3732529.09	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
4167	499757.95	3732528.14	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
4168	499767.72	3732527.19	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
4169	499777.49	3732526.24	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
4170	499787.26	3732525.29	3.23E-04	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
4171	499797.03	3732524.34	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
4172	499806.8	3732523.39	3.38E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
4173	499816.57	3732522.44	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
4174	499826.34	3732521.49	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
4175	499836.11	3732520.54	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
4176	499845.88	3732519.6	3.70E-04	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
4177	499855.65	3732518.65	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
4178	499865.42	3732517.7	3.86E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
4179	499875.19	3732516.75	3.95E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
4180	499884.96	3732515.8	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
4181	499894.73	3732514.85	4.12E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.21E-05	1.32E-04	0.00E+00	0.00E+00
4182	499904.5	3732513.9	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
4183	499914.27	3732512.95	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
4184	499924.03	3732512	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
4185	499933.8	3732511.05	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
4186	499943.57	3732510.1	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
4187	499953.34	3732509.15	4.65E-04	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.49E-04	0.00E+00	0.00E+00
4188	499963.11	3732508.2	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
4189	499972.88	3732507.25	4.83E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
4190	499982.65	3732506.3	4.91E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
4191	500011.96	3732503.45	5.16E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
4192	500021.73	3732502.5	5.24E-04	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.66E-04	0.00E+00	0.00E+00	7.89E-05	1.68E-04	0.00E+00	0.00E+00
4193	500031.5	3732501.55	5.32E-04	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
4194	499349.46	3732961.29	2.04E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
4195	499349.44	3732971.22	2.06E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
4196	499349.42	3732981.14	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
4197	499349.4	3732991.06	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4198	499349.38	3733000.98	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
4199	499349.36	3733010.9	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
4200	499349.34	3733020.83	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
4201	499349.31	3733030.75	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
4202	499349.29	3733040.67	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
4203	499349.27	3733050.59	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
4204	499349.25	3733060.51	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
4205	499349.23	3733070.44	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
4206	499349.21	3733080.36	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
4207	499349.19	3733090.28	2.30E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.40E-05	0.00E+00	0.00E+00
4208	499349.17	3733100.2	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
4209	499349.15	3733110.12	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
4210	499349.13	3733120.04	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
4211	499349.11	3733129.97	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
4212	499349.08	3733139.89	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.75E-05	0.00E+00	0.00E+00
4213	499349.06	3733149.81	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
4214	499349.04	3733159.73	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
4215	499349.02	3733169.65	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
4216	499349	3733179.58	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
4217	499348.98	3733189.5	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
4218	499348.96	3733199.42	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
4219	499348.94	3733209.34	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
4220	499348.92	3733219.26	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.35E-05	0.00E+00	0.00E+00
4221	499348.9	3733229.19	2.62E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
4222	499348.87	3733239.11	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.50E-05	0.00E+00	0.00E+00
4223	499348.85	3733249.03	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
4224	499348.83	3733258.95	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
4225	499348.81	3733268.87	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
4226	499348.79	3733278.79	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
4227	499314.09	3732952.59	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
4228	499318.72	3732943.97	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
4229	499323.35	3732935.35	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
4230	499327.98	3732926.72	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
4231	499332.6	3732918.1	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
4232	499337.23	3732909.48	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
4233	499341.86	3732900.86	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
4234	499346.49	3732892.24	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
4235	499351.12	3732883.62	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
4236	499355.75	3732874.99	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
4237	499439.07	3732719.81	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.90E-05	6.20E-05	0.00E+00	0.00E+00
4238	499443.69	3732711.18	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4239	499448.32	3732702.56	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4240	499452.95	3732693.94	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4241	499457.58	3732685.32	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4242	499462.21	3732676.7	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
4243	499494.61	3732616.35	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
4244	499499.24	3732607.73	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
4245	499503.87	3732599.1	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
4246	499508.5	3732590.48	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
4247	499513.12	3732581.86	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
4248	499517.75	3732573.24	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
4249	499522.38	3732564.62	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
4250	499527.01	3732556	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
4251	499531.64	3732547.37	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
4252	499536.27	3732538.75	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00

4253	499540.9	3732530.13	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
4254	499545.53	3732521.51	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
4255	499559.89	3732511.94	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
4256	499569.63	3732510.99	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
4257	499579.37	3732510.05	1.98E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
4258	499589.11	3732509.1	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
4259	499598.85	3732508.15	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.58E-05	0.00E+00	0.00E+00
4260	499608.59	3732507.21	2.09E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
4261	499618.33	3732506.26	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
4262	499628.07	3732505.32	2.17E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
4263	499637.81	3732504.37	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
4264	499647.55	3732503.42	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
4265	499657.29	3732502.48	2.29E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.37E-05	0.00E+00	0.00E+00
4266	499667.03	3732501.53	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
4267	499676.77	3732500.58	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
4268	499686.51	3732499.64	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
4269	499696.25	3732498.69	2.49E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
4270	499705.99	3732497.74	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
4271	499715.73	3732496.8	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
4272	499725.47	3732495.85	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
4273	499735.21	3732494.9	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.06E-05	8.67E-05	0.00E+00	0.00E+00
4274	499744.95	3732493.96	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
4275	499754.69	3732493.01	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
4276	499764.43	3732492.06	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
4277	499774.17	3732491.12	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.42E-05	9.44E-05	0.00E+00	0.00E+00
4278	499783.91	3732490.17	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4279	499793.65	3732489.22	3.07E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
4280	499803.39	3732488.28	3.13E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
4281	499813.13	3732487.33	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
4282	499822.86	3732486.38	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
4283	499832.6	3732485.44	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
4284	499842.34	3732484.49	3.41E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
4285	499852.08	3732483.54	3.49E-04	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
4286	499861.82	3732482.6	3.56E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.57E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
4287	499871.56	3732481.65	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
4288	499881.3	3732480.7	3.71E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
4289	499891.04	3732479.76	3.79E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
4290	499900.78	3732478.81	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
4291	499910.52	3732477.86	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
4292	499920.26	3732476.92	4.02E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
4293	499930	3732475.97	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
4294	499939.74	3732475.02	4.18E-04	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
4295	499949.48	3732474.08	4.26E-04	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
4296	499959.22	3732473.13	4.34E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
4297	499988.44	3732470.29	4.56E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
4298	499998.18	3732469.34	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
4299	500007.92	3732468.4	4.71E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
4300	500017.66	3732467.45	4.78E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
4301	500027.4	3732466.51	4.85E-04	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
4302	500037.14	3732465.56	4.92E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
4303	500046.88	3732464.61	4.98E-04	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.19E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
4304	499309.46	3732961.21	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
4305	499309.44	3732971.13	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
4306	499309.42	3732981.05	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
4307	499309.4	3732990.98	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
4308	499309.38	3733000.9	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
4309	499309.36	3733010.82	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
4310	499309.34	3733020.74	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
4311	499309.31	3733030.66	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
4312	499309.29	3733040.59	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
4313	499309.27	3733050.51	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
4314	499309.25	3733060.43	2.04E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
4315	499309.23	3733070.35	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
4316	499309.21	3733080.27	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
4317	499309.19	3733090.19	2.10E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4318	499309.17	3733100.12	2.11E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
4319	499309.15	3733110.04	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
4320	499309.13	3733119.96	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
4321	499309.11	3733129.88	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
4322	499309.08	3733139.8	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
4323	499309.06	3733149.73	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.09E-05	0.00E+00	0.00E+00
4324	499309.04	3733159.65	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.35E-05	7.16E-05	0.00E+00	0.00E+00
4325	499309.02	3733169.57	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
4326	499309	3733179.49	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
4327	499308.98	3733189.41	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
4328	499308.96	3733199.34	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
4329	499308.94	3733209.26	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
4330	499308.92	3733219.18	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
4331	499308.9	3733229.1	2.37E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
4332	499308.87	3733239.02	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
4333	499308.85	3733248.94	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.73E-05	0.00E+00	0.00E+00
4334	499308.83	3733258.87	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
4335	499308.81	3733268.79	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
4336	499308.79	3733278.71	2.47E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
4337	499274.08	3732952.53	1.72E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
4338	499278.69	3732943.93	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
4339	499283.31	3732935.33	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
4340	499287.93	3732926.73	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4341	499292.54	3732918.13	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.58E-05	0.00E+00	0.00E+00
4342	499297.16	3732909.53	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
4343	499301.78	3732900.93	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
4344	499306.39	3732892.34	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
4345	499311.01	3732883.74	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
4346	499315.63	3732875.14	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4347	499320.24	3732866.54	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4348	499407.96	3732703.16	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
4349	499412.57	3732694.56	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
4350	499417.19	3732685.97	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
4351	499421.8	3732677.37	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
4352	499458.74	3732608.58	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
4353	499463.35	3732599.98	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4354	499467.97	3732591.38	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4355	499472.59	3732582.78	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
4356	499477.2	3732574.18	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
4357	499481.82	3732565.58	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
4358	499486.44	3732556.98	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4359	499491.05	3732548.38	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4360	499495.67	3732539.79	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
4361	499500.28	3732531.19	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
4362	499504.9	3732522.59	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
4363	499509.52	3732513.99	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
4364	499514.13	3732505.39	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.58E-05	0.00E+00	0.00E+00

4365	499518.75	3732496.79	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4366	499523.37	3732488.19	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
4367	499537.7	3732478.65	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
4368	499547.41	3732477.71	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
4369	499557.13	3732476.76	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
4370	499566.84	3732475.82	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
4371	499576.55	3732474.87	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
4372	499586.27	3732473.93	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
4373	499595.98	3732472.99	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
4374	499605.69	3732472.04	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
4375	499615.41	3732471.1	2.02E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
4376	499625.12	3732470.15	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
4377	499634.84	3732469.21	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
4378	499644.55	3732468.27	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
4379	499654.26	3732467.32	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.96E-05	0.00E+00	0.00E+00
4380	499663.98	3732466.38	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
4381	499673.69	3732465.43	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
4382	499683.41	3732464.49	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
4383	499693.12	3732463.55	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
4384	499702.83	3732462.6	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
4385	499712.55	3732461.66	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
4386	499722.26	3732460.71	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
4387	499731.98	3732459.77	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.14E-05	0.00E+00	0.00E+00
4388	499741.69	3732458.82	2.59E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
4389	499751.4	3732457.88	2.64E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
4390	499761.12	3732456.94	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
4391	499770.83	3732455.99	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.14E-05	8.82E-05	0.00E+00	0.00E+00
4392	499780.54	3732455.05	2.80E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.00E-05	0.00E+00	0.00E+00
4393	499790.26	3732454.1	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
4394	499799.97	3732453.16	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
4395	499809.69	3732452.22	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
4396	499819.4	3732451.27	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
4397	499829.11	3732450.33	3.11E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.72E-04	0.00E+00	0.00E+00	4.68E-05	9.97E-05	0.00E+00	0.00E+00
4398	499838.83	3732449.38	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
4399	499848.54	3732448.44	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
4400	499858.26	3732447.5	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
4401	499867.97	3732446.55	3.37E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
4402	499877.68	3732445.61	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
4403	499887.4	3732444.66	3.50E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
4404	499897.11	3732443.72	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
4405	499906.83	3732442.78	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
4406	499916.54	3732441.83	3.71E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
4407	499926.25	3732440.89	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
4408	499965.11	3732437.11	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
4409	499974.82	3732436.17	4.12E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
4410	499984.54	3732435.22	4.19E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
4411	499994.25	3732434.28	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
4412	500003.96	3732433.33	4.32E-04	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.96E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
4413	500013.68	3732432.39	4.38E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
4414	500023.39	3732431.45	4.45E-04	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
4415	500033.11	3732430.5	4.51E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
4416	500042.82	3732429.56	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
4417	500052.53	3732428.61	4.63E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
4418	500062.25	3732427.67	4.68E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
4419	499269.46	3732961.13	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
4420	499269.44	3732971.05	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4421	499269.42	3732980.97	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
4422	499269.4	3732990.89	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.66E-05	0.00E+00	0.00E+00
4423	499269.38	3733000.81	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
4424	499269.36	3733010.74	1.79E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
4425	499269.34	3733020.66	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
4426	499269.31	3733030.58	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
4427	499269.29	3733040.5	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
4428	499269.27	3733050.42	1.85E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
4429	499269.25	3733060.34	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
4430	499269.23	3733070.27	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
4431	499269.21	3733080.19	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
4432	499269.19	3733090.11	1.92E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
4433	499269.17	3733100.03	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
4434	499269.15	3733109.95	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
4435	499269.13	3733119.88	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
4436	499269.11	3733129.8	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
4437	499269.08	3733139.72	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
4438	499269.06	3733149.64	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
4439	499269.04	3733159.56	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
4440	499269.02	3733169.49	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
4441	499269	3733179.41	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4442	499268.98	3733189.33	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
4443	499268.96	3733199.25	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4444	499268.94	3733209.17	2.11E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
4445	499268.92	3733219.09	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
4446	499268.9	3733229.02	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
4447	499268.88	3733238.94	2.17E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
4448	499268.85	3733248.86	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
4449	499268.83	3733258.78	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.31E-05	7.07E-05	0.00E+00	0.00E+00
4450	499268.81	3733268.7	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
4451	499268.79	3733278.63	2.24E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
4452	499234.15	3732952.32	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
4453	499238.83	3732943.59	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
4454	499243.51	3732934.87	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
4455	499248.2	3732926.14	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4456	499252.88	3732917.42	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.15E-05	0.00E+00	0.00E+00
4457	499257.56	3732908.7	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4458	499262.25	3732899.97	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
4459	499266.93	3732891.25	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
4460	499271.62	3732882.52	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
4461	499276.3	3732873.8	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
4462	499280.98	3732865.07	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
4463	499285.67	3732856.35	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4464	499416.82	3732612.06	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
4465	499421.5	3732603.34	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.28E-05	0.00E+00	0.00E+00
4466	499426.19	3732594.62	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
4467	499430.87	3732585.89	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
4468	499435.55	3732577.17	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
4469	499440.24	3732568.44	1.64E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
4470	499444.92	3732559.72	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
4471	499449.61	3732550.99	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
4472	499454.29	3732542.27	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
4473	499458.97	3732533.55	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4474	499463.66	3732524.82	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4475	499468.34	3732516.1	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
4476	499473.03	3732507.37	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00

4477	499477.71	3732498.65	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
4478	499482.39	3732489.92	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
4479	499487.08	3732481.2	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
4480	499491.76	3732472.47	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4481	499496.45	3732463.75	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.15E-05	0.00E+00	0.00E+00
4482	499501.13	3732455.03	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4483	499515.67	3732445.34	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4484	499525.52	3732444.39	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.49E-05	5.30E-05	0.00E+00	0.00E+00
4485	499535.38	3732443.43	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
4486	499545.24	3732442.47	1.71E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
4487	499555.09	3732441.51	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4488	499564.95	3732440.55	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
4489	499574.8	3732439.6	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
4490	499584.66	3732438.64	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
4491	499594.52	3732437.68	1.85E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
4492	499604.37	3732436.72	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
4493	499614.23	3732435.76	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
4494	499624.08	3732434.81	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.28E-05	0.00E+00	0.00E+00
4495	499633.94	3732433.85	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.39E-05	0.00E+00	0.00E+00
4496	499643.79	3732432.89	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
4497	499653.65	3732431.93	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4498	499663.51	3732430.97	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
4499	499673.36	3732430.02	2.14E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.22E-05	6.88E-05	0.00E+00	0.00E+00
4500	499683.22	3732429.06	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
4501	499693.07	3732428.1	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
4502	499702.93	3732427.14	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
4503	499712.79	3732426.19	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.42E-05	0.00E+00	0.00E+00
4504	499722.64	3732425.23	2.36E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
4505	499732.5	3732424.27	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
4506	499742.35	3732423.31	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
4507	499752.21	3732422.35	2.50E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
4508	499762.06	3732421.4	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
4509	499771.92	3732420.44	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
4510	499781.78	3732419.48	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
4511	499791.63	3732418.52	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
4512	499801.49	3732417.56	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
4513	499811.34	3732416.61	2.81E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.24E-05	9.03E-05	0.00E+00	0.00E+00
4514	499821.2	3732415.65	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
4515	499831.05	3732414.69	2.93E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.39E-04	0.00E+00	0.00E+00	4.41E-05	9.40E-05	0.00E+00	0.00E+00
4516	499840.91	3732413.73	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
4517	499850.77	3732412.78	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
4518	499860.62	3732411.82	3.10E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
4519	499870.48	3732410.86	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
4520	499880.33	3732409.9	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
4521	499890.19	3732408.94	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
4522	499900.05	3732407.99	3.35E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
4523	499939.47	3732404.15	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
4524	499949.32	3732403.2	3.66E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
4525	499959.18	3732402.24	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
4526	499969.04	3732401.28	3.79E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
4527	499978.89	3732400.32	3.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
4528	499988.75	3732399.37	3.91E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
4529	499998.6	3732398.41	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
4530	500008.46	3732397.45	4.03E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
4531	500018.32	3732396.49	4.09E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
4532	500028.17	3732395.53	4.14E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
4533	500038.03	3732394.58	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
4534	500047.88	3732393.62	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
4535	500057.74	3732392.66	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
4536	500067.59	3732391.7	4.36E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
4537	500077.45	3732390.74	4.41E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
4538	499229.46	3732961.04	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
4539	499229.44	3732970.96	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4540	499229.42	3732980.89	1.61E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
4541	499229.4	3732990.81	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
4542	499229.38	3733000.73	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
4543	499229.36	3733010.65	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
4544	499229.34	3733020.57	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
4545	499229.31	3733030.49	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
4546	499229.29	3733040.42	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
4547	499229.27	3733050.34	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
4548	499229.25	3733060.26	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
4549	499229.23	3733070.18	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4550	499229.21	3733080.1	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
4551	499229.19	3733090.03	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
4552	499229.17	3733099.95	1.78E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
4553	499229.15	3733109.87	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.75E-05	0.00E+00	0.00E+00
4554	499229.13	3733119.79	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
4555	499229.11	3733129.71	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
4556	499229.08	3733139.64	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
4557	499229.06	3733149.56	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
4558	499229.04	3733159.48	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
4559	499229.02	3733169.4	1.87E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
4560	499229	3733179.32	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.07E-05	0.00E+00	0.00E+00
4561	499228.98	3733189.24	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
4562	499228.96	3733199.17	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
4563	499228.94	3733209.09	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
4564	499228.92	3733219.01	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
4565	499228.9	3733228.93	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
4566	499228.88	3733238.85	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
4567	499228.85	3733248.78	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
4568	499228.83	3733258.7	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
4569	499228.81	3733268.62	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
4570	499228.79	3733278.54	2.04E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
4571	499194.13	3732952.26	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
4572	499198.8	3732943.56	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
4573	499203.47	3732934.86	1.48E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.74E-04	0.00E+00	0.00E+00	2.23E-05	4.77E-05	0.00E+00	0.00E+00
4574	499208.14	3732926.17	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
4575	499212.81	3732917.47	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4576	499217.48	3732908.77	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4577	499222.15	3732900.07	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
4578	499226.82	3732891.38	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
4579	499231.49	3732882.68	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
4580	499236.16	3732873.98	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
4581	499240.83	3732865.28	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
4582	499245.5	3732856.59	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
4583	499250.17	3732847.89	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
4584	499254.83	3732839.19	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
4585	499338.89	3732682.63	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4586	499343.56	3732673.94	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4587	499348.23	3732665.24	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4588	499352.9	3732656.54	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00

4589	499357.56	3732647.84	1.53E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4590	499399.59	3732569.56	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
4591	499404.26	3732560.87	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
4592	499408.93	3732552.17	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
4593	499413.6	3732543.47	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
4594	499418.27	3732534.77	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
4595	499422.94	3732526.08	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
4596	499427.61	3732517.38	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
4597	499432.28	3732508.68	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
4598	499436.95	3732499.98	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
4599	499460.29	3732456.5	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
4600	499464.96	3732447.8	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
4601	499469.63	3732439.1	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
4602	499474.3	3732430.4	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4603	499478.97	3732421.7	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4604	499493.47	3732412.05	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
4605	499503.29	3732411.1	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
4606	499513.12	3732410.14	1.55E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
4607	499562.25	3732405.37	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
4608	499572.07	3732404.41	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
4609	499581.9	3732403.46	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
4610	499591.72	3732402.5	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4611	499601.55	3732401.55	1.80E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.77E-05	0.00E+00	0.00E+00
4612	499611.37	3732400.59	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
4613	499621.2	3732399.64	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
4614	499631.03	3732398.68	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
4615	499640.85	3732397.73	1.92E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
4616	499650.68	3732396.77	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
4617	499660.5	3732395.82	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
4618	499670.33	3732394.86	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.52E-05	0.00E+00	0.00E+00
4619	499680.15	3732393.91	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4620	499689.98	3732392.95	2.10E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
4621	499699.8	3732392	2.14E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
4622	499709.63	3732391.04	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
4623	499719.46	3732390.09	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
4624	499729.28	3732389.13	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
4625	499739.11	3732388.18	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
4626	499748.93	3732387.22	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
4627	499758.76	3732386.27	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
4628	499768.58	3732385.31	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
4629	499778.41	3732384.36	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
4630	499788.23	3732383.4	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
4631	499798.06	3732382.45	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
4632	499807.88	3732381.49	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
4633	499817.71	3732380.54	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
4634	499827.54	3732379.58	2.74E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
4635	499837.36	3732378.63	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
4636	499847.19	3732377.67	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.28E-05	9.12E-05	0.00E+00	0.00E+00
4637	499857.01	3732376.72	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
4638	499866.84	3732375.77	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
4639	499876.66	3732374.81	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4640	499915.97	3732370.99	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
4641	499925.79	3732370.04	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
4642	499935.62	3732369.08	3.34E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.15E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
4643	499945.44	3732368.13	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
4644	499955.27	3732367.17	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
4645	499965.09	3732366.22	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
4646	499974.92	3732365.26	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
4647	499984.74	3732364.31	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
4648	499994.57	3732363.35	3.67E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
4649	500004.4	3732362.4	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
4650	500014.22	3732361.44	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
4651	500024.05	3732360.49	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
4652	500033.87	3732359.53	3.88E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
4653	500043.7	3732358.58	3.93E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
4654	500053.52	3732357.62	3.98E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
4655	500063.35	3732356.67	4.03E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
4656	500073.17	3732355.71	4.07E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
4657	500083	3732354.76	4.12E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
4658	500092.83	3732353.8	4.16E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
4659	499189.46	3732960.96	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
4660	499189.44	3732970.88	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
4661	499189.42	3732980.8	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
4662	499189.4	3732990.72	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
4663	499189.38	3733000.64	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
4664	499189.36	3733010.57	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
4665	499189.34	3733020.49	1.54E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
4666	499189.31	3733030.41	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
4667	499189.29	3733040.33	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
4668	499189.27	3733050.25	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
4669	499189.25	3733060.18	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
4670	499189.23	3733070.1	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4671	499189.21	3733080.02	1.61E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
4672	499189.19	3733089.94	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4673	499189.17	3733099.86	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
4674	499189.15	3733109.79	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.49E-05	5.30E-05	0.00E+00	0.00E+00
4675	499189.13	3733119.71	1.66E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
4676	499189.11	3733129.63	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
4677	499189.08	3733139.55	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
4678	499189.06	3733149.47	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.46E-05	0.00E+00	0.00E+00
4679	499189.04	3733159.39	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
4680	499189.02	3733169.32	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
4681	499189	3733179.24	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
4682	499188.98	3733189.16	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4683	499188.96	3733199.08	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4684	499188.94	3733209	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
4685	499188.92	3733218.93	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
4686	499188.9	3733228.85	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
4687	499188.88	3733238.77	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
4688	499188.85	3733248.69	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
4689	499188.83	3733258.61	1.84E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.77E-05	5.92E-05	0.00E+00	0.00E+00
4690	499188.81	3733268.54	1.86E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
4691	499188.79	3733278.46	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
4692	499154.12	3732952.2	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
4693	499158.78	3732943.52	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
4694	499163.43	3732934.85	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
4695	499168.09	3732926.18	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
4696	499172.75	3732917.5	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
4697	499177.4	3732908.83	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4698	499182.06	3732900.15	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.47E-05	0.00E+00	0.00E+00
4699	499186.72	3732891.48	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4700	499191.37	3732882.81	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00

4701	499196.03	3732874.13	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
4702	499200.69	3732865.46	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4703	499205.34	3732856.78	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4704	499210	3732848.11	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4705	499214.66	3732839.44	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4706	499219.31	3732830.76	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4707	499223.97	3732822.09	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
4708	499307.79	3732665.96	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4709	499312.45	3732657.28	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4710	499317.11	3732648.61	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4711	499321.77	3732639.93	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4712	499326.42	3732631.26	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4713	499331.08	3732622.59	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4714	499335.74	3732613.91	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4715	499340.39	3732605.24	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.60E-05	0.00E+00	0.00E+00
4716	499345.05	3732596.56	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4717	499349.71	3732587.89	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4718	499354.36	3732579.22	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4719	499359.02	3732570.54	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4720	499363.68	3732561.87	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
4721	499410.25	3732475.13	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
4722	499414.9	3732466.45	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4723	499419.56	3732457.78	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4724	499424.22	3732449.11	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4725	499428.87	3732440.43	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4726	499433.53	3732431.76	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4727	499438.19	3732423.08	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
4728	499442.84	3732414.41	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4729	499447.5	3732405.74	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
4730	499452.16	3732397.06	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4731	499456.81	3732388.39	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4732	499471.27	3732378.76	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
4733	499481.07	3732377.81	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
4734	499490.87	3732376.86	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
4735	499500.67	3732375.9	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
4736	499510.47	3732374.95	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4737	499520.26	3732374	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
4738	499530.06	3732373.05	1.53E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4739	499539.86	3732372.1	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.00E-05	0.00E+00	0.00E+00
4740	499549.66	3732371.14	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
4741	499559.46	3732370.19	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4742	499569.26	3732369.24	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
4743	499579.06	3732368.29	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
4744	499755.44	3732351.14	2.26E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.25E-05	0.00E+00	0.00E+00
4745	499765.24	3732350.19	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.39E-05	0.00E+00	0.00E+00
4746	499775.04	3732349.24	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
4747	499784.83	3732348.29	2.38E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
4748	499794.63	3732347.33	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
4749	499804.43	3732346.38	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
4750	499873.02	3732339.72	2.80E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.00E-05	0.00E+00	0.00E+00
4751	499882.82	3732338.76	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
4752	499892.62	3732337.81	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
4753	499902.42	3732336.86	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
4754	499912.22	3732335.91	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4755	499922.02	3732334.95	3.05E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.80E-05	0.00E+00	0.00E+00
4756	499931.82	3732334	3.10E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
4757	499941.62	3732333.05	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
4758	499951.42	3732332.1	3.20E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.91E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
4759	499961.21	3732331.14	3.25E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
4760	499971.01	3732330.19	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
4761	499980.81	3732329.24	3.35E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
4762	499990.61	3732328.29	3.40E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
4763	500000.41	3732327.34	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
4764	500010.21	3732326.38	3.50E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
4765	500020.01	3732325.43	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
4766	500029.81	3732324.48	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
4767	500039.6	3732323.53	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
4768	500049.4	3732322.57	3.69E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
4769	500059.2	3732321.62	3.73E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
4770	500069	3732320.67	3.77E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
4771	500078.8	3732319.72	3.82E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.23E-04	0.00E+00	0.00E+00
4772	500088.6	3732318.76	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
4773	500098.4	3732317.81	3.90E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
4774	500108.2	3732316.86	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
4775	499149.46	3732960.87	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
4776	499149.44	3732970.79	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
4777	499149.42	3732980.72	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4778	499149.4	3732990.64	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4779	499149.38	3733000.56	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
4780	499149.36	3733010.48	1.42E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.63E-04	0.00E+00	0.00E+00	2.14E-05	4.58E-05	0.00E+00	0.00E+00
4781	499149.34	3733020.4	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
4782	499149.31	3733030.33	1.45E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
4783	499149.29	3733040.25	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
4784	499149.27	3733050.17	1.47E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
4785	499149.25	3733060.09	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
4786	499149.23	3733070.01	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4787	499149.21	3733079.94	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
4788	499149.19	3733089.86	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
4789	499149.17	3733099.78	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
4790	499149.15	3733109.7	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
4791	499149.13	3733119.62	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
4792	499149.11	3733129.54	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.98E-05	0.00E+00	0.00E+00
4793	499149.08	3733139.47	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
4794	499149.06	3733149.39	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
4795	499149.04	3733159.31	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
4796	499149.02	3733169.23	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
4797	499149	3733179.15	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4798	499148.98	3733189.08	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
4799	499148.96	3733199	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
4800	499148.94	3733208.92	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
4801	499148.92	3733218.84	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
4802	499148.9	3733228.76	1.66E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.34E-05	0.00E+00	0.00E+00
4803	499148.88	3733238.69	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
4804	499148.85	3733248.61	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
4805	499148.83	3733258.53	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
4806	499148.81	3733268.45	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
4807	499148.79	3733278.37	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
4808	499114.11	3732952.14	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
4809	499118.75	3732943.48	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
4810	499123.4	3732934.83	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.15E-05	0.00E+00	0.00E+00
4811	499128.04	3732926.18	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
4812	499132.69	3732917.52	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00

4813	499137.34	3732908.87	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
4814	499141.98	3732900.22	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
4815	499146.63	3732891.56	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
4816	499151.27	3732882.91	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
4817	499155.92	3732874.26	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
4818	499160.56	3732865.6	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
4819	499165.21	3732856.95	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4820	499169.85	3732848.3	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4821	499174.5	3732839.65	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
4822	499179.15	3732830.99	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
4823	499183.79	3732822.34	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
4824	499188.44	3732813.69	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
4825	499276.7	3732649.28	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4826	499281.35	3732640.62	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4827	499286	3732631.97	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4828	499290.64	3732623.32	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4829	499295.29	3732614.67	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4830	499299.93	3732606.01	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4831	499304.58	3732597.36	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4832	499309.22	3732588.71	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
4833	499313.87	3732580.05	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
4834	499318.51	3732571.4	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
4835	499323.16	3732562.75	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
4836	499327.81	3732554.09	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
4837	499332.45	3732545.44	1.34E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
4838	499337.1	3732536.79	1.34E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
4839	499341.74	3732528.13	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
4840	499346.39	3732519.48	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
4841	499351.03	3732510.83	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
4842	499355.68	3732502.18	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
4843	499406.78	3732406.99	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4844	499411.43	3732398.34	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
4845	499425.36	3732372.38	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
4846	499430.01	3732363.73	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
4847	499434.65	3732355.07	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
4848	499449.08	3732345.47	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
4849	499458.85	3732344.52	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.28E-05	0.00E+00	0.00E+00
4850	499468.63	3732343.57	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
4851	499478.4	3732342.62	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
4852	499488.18	3732341.67	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4853	499497.95	3732340.72	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4854	499507.73	3732339.77	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4855	499517.5	3732338.82	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
4856	499527.28	3732337.87	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
4857	499537.05	3732336.92	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4858	499546.83	3732335.97	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
4859	499556.6	3732335.02	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
4860	499566.38	3732334.07	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
4861	499576.15	3732333.12	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
4862	499585.93	3732332.17	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
4863	499595.7	3732331.22	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
4864	499605.48	3732330.27	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
4865	499615.25	3732329.32	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
4866	499625.03	3732328.37	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
4867	499634.8	3732327.42	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
4868	499644.58	3732326.47	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
4869	499654.36	3732325.52	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
4870	499664.13	3732324.57	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
4871	499673.91	3732323.62	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
4872	499683.68	3732322.67	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
4873	499693.46	3732321.72	1.92E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
4874	499703.23	3732320.77	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
4875	499713.01	3732319.82	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
4876	499722.78	3732318.87	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
4877	499732.56	3732317.92	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
4878	499742.33	3732316.97	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4879	499752.11	3732316.02	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
4880	499761.88	3732315.07	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
4881	499771.66	3732314.12	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.09E-05	0.00E+00	0.00E+00
4882	499781.43	3732313.17	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
4883	499791.21	3732312.22	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
4884	499800.98	3732311.27	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.48E-05	0.00E+00	0.00E+00
4885	499810.76	3732310.32	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
4886	499820.53	3732309.37	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
4887	499830.31	3732308.42	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
4888	499840.08	3732307.47	2.49E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.01E-05	0.00E+00	0.00E+00
4889	499849.86	3732306.52	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
4890	499859.63	3732305.57	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
4891	499869.41	3732304.62	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
4892	499879.19	3732303.67	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
4893	499888.96	3732302.72	2.71E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
4894	499898.74	3732301.77	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
4895	499908.51	3732300.82	2.80E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
4896	499918.29	3732299.87	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
4897	499928.06	3732298.92	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
4898	499937.84	3732297.97	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
4899	499947.61	3732297.02	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
4900	499957.39	3732296.07	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
4901	499967.16	3732295.12	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.89E-05	0.00E+00	0.00E+00
4902	499976.94	3732294.17	3.12E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
4903	499986.71	3732293.22	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
4904	499996.49	3732292.27	3.21E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
4905	500006.26	3732291.32	3.26E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
4906	500016.04	3732290.37	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
4907	500025.81	3732289.42	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
4908	500035.59	3732288.47	3.39E-04	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
4909	500045.36	3732287.52	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
4910	500055.14	3732286.57	3.47E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
4911	500064.91	3732285.62	3.51E-04	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
4912	500074.69	3732284.67	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
4913	500084.46	3732283.72	3.58E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
4914	500094.24	3732282.77	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
4915	500104.02	3732281.82	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
4916	500113.79	3732280.87	3.69E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
4917	500123.57	3732279.92	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
4918	499109.46	3732960.79	1.28E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
4919	499109.44	3732970.71	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
4920	499109.42	3732980.63	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
4921	499109.4	3732990.55	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4922	499109.38	3733000.48	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
4923	499109.36	3733010.4	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
4924	499109.34	3733020.32	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00

4925	499109.32	3733030.24	1.35E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
4926	499109.29	3733040.16	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
4927	499109.27	3733050.09	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
4928	499109.25	3733060.01	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
4929	499109.23	3733069.93	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
4930	499109.21	3733079.85	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4931	499109.19	3733089.77	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4932	499109.17	3733099.69	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
4933	499109.15	3733109.62	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
4934	499109.13	3733119.54	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4935	499109.11	3733129.46	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
4936	499109.08	3733139.38	1.45E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.66E-05	0.00E+00	0.00E+00
4937	499109.06	3733149.3	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
4938	499109.04	3733159.23	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
4939	499109.02	3733169.15	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
4940	499109	3733179.07	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4941	499108.98	3733188.99	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
4942	499108.96	3733198.91	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
4943	499108.94	3733208.84	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
4944	499108.92	3733218.76	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
4945	499108.9	3733228.68	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
4946	499108.88	3733238.6	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.98E-05	0.00E+00	0.00E+00
4947	499108.85	3733248.52	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
4948	499108.83	3733258.44	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
4949	499108.81	3733268.37	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
4950	499108.79	3733278.29	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
4951	499074.1	3732952.07	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.87E-05	0.00E+00	0.00E+00
4952	499078.73	3732943.44	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
4953	499083.37	3732934.8	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
4954	499088	3732926.17	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
4955	499092.64	3732917.53	1.21E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
4956	499097.28	3732908.9	1.22E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
4957	499101.91	3732900.26	1.22E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
4958	499106.55	3732891.63	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
4959	499111.18	3732882.99	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
4960	499115.82	3732874.36	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
4961	499120.45	3732865.73	1.22E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
4962	499125.09	3732857.09	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
4963	499129.72	3732848.46	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
4964	499134.36	3732839.82	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
4965	499139	3732831.19	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.96E-05	0.00E+00	0.00E+00
4966	499143.63	3732822.55	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
4967	499148.27	3732813.92	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
4968	499152.9	3732805.29	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
4969	499157.54	3732796.65	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
4970	499273.43	3732580.79	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.04E-05	0.00E+00	0.00E+00
4971	499278.06	3732572.16	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4972	499282.7	3732563.52	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4973	499287.33	3732554.89	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4974	499291.97	3732546.25	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4975	499296.6	3732537.62	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4976	499301.24	3732528.99	1.26E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4977	499305.88	3732520.35	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4978	499310.51	3732511.72	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4979	499315.15	3732503.08	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
4980	499426.88	3732312.18	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
4981	499436.64	3732311.23	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
4982	499446.39	3732310.28	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
4983	499456.15	3732309.33	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
4984	499465.9	3732308.39	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
4985	499475.65	3732307.44	1.32E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
4986	499485.41	3732306.49	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
4987	499495.16	3732305.54	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
4988	499504.92	3732304.6	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
4989	499514.67	3732303.65	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4990	499524.42	3732302.7	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
4991	499534.18	3732301.75	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4992	499543.93	3732300.8	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
4993	499553.69	3732299.86	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
4994	499563.44	3732298.91	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
4995	499573.2	3732297.96	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
4996	499582.95	3732297.01	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
4997	499592.7	3732296.06	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
4998	499602.46	3732295.12	1.59E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
4999	499612.21	3732294.17	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
5000	499621.97	3732293.22	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
5001	499631.72	3732292.27	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
5002	499641.47	3732291.32	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
5003	499651.23	3732290.38	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
5004	499660.98	3732289.43	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
5005	499670.74	3732288.48	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
5006	499680.49	3732287.53	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
5007	499690.24	3732286.58	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
5008	499700	3732285.64	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
5009	499709.75	3732284.69	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
5010	499719.51	3732283.74	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5011	499729.26	3732282.79	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
5012	499739.01	3732281.84	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
5013	499748.77	3732280.9	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5014	499758.52	3732279.95	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.60E-05	0.00E+00	0.00E+00
5015	499768.28	3732279	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.71E-05	0.00E+00	0.00E+00
5016	499778.03	3732278.05	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
5017	499787.78	3732277.1	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
5018	499797.54	3732276.16	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
5019	499807.29	3732275.21	2.23E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
5020	499817.05	3732274.26	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
5021	499826.8	3732273.31	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.41E-05	0.00E+00	0.00E+00
5022	499836.56	3732272.36	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
5023	499846.31	3732271.42	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
5024	499856.06	3732270.47	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
5025	499865.82	3732269.52	2.47E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
5026	499875.57	3732268.57	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
5027	499885.33	3732267.62	2.55E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
5028	499895.08	3732266.68	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
5029	499904.83	3732265.73	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
5030	499914.59	3732264.78	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
5031	499924.34	3732263.83	2.71E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
5032	499934.1	3732262.88	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
5033	499943.85	3732261.94	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
5034	499953.6	3732260.99	2.83E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
5035	499963.36	3732260.04	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
5036	499973.11	3732259.09	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00

5037	499982.87	3732258.14	2.96E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
5038	499992.62	3732257.2	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.51E-05	9.63E-05	0.00E+00	0.00E+00
5039	500002.37	3732256.25	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.76E-05	0.00E+00	0.00E+00
5040	500012.13	3732255.3	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
5041	500021.88	3732254.35	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
5042	500031.64	3732253.4	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
5043	500041.39	3732252.46	3.20E-04	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
5044	500051.15	3732251.51	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
5045	500060.9	3732250.56	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
5046	500070.65	3732249.61	3.31E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
5047	500080.41	3732248.66	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
5048	500090.16	3732247.72	3.38E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
5049	500099.92	3732246.77	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
5050	500109.67	3732245.82	3.44E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
5051	500119.42	3732244.87	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
5052	500129.18	3732243.92	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.27E-05	1.13E-04	0.00E+00	0.00E+00
5053	500138.93	3732242.98	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
5054	499068.81	3733268.28	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
5055	499068.79	3733278.2	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5056	499034.15	3732951.89	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
5057	499038.83	3732943.16	1.14E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
5058	499043.52	3732934.44	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
5059	499048.21	3732925.71	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.66E-05	0.00E+00	0.00E+00
5060	499052.89	3732916.98	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
5061	499057.58	3732908.25	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
5062	499062.26	3732899.52	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
5063	499066.95	3732890.8	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
5064	499071.63	3732882.07	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
5065	499076.32	3732873.34	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
5066	499081.01	3732864.61	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
5067	499085.69	3732855.88	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
5068	499090.38	3732847.16	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
5069	499095.06	3732838.43	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
5070	499099.75	3732829.7	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
5071	499104.44	3732820.97	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
5072	499109.12	3732812.24	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5073	499113.81	3732803.52	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5074	499118.49	3732794.79	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
5075	499123.18	3732786.06	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
5076	499127.86	3732777.33	1.17E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
5077	499273.13	3732506.76	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
5078	499277.81	3732498.03	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
5079	499424.54	3732276.96	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
5080	499434.4	3732276	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
5081	499444.26	3732275.04	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
5082	499454.12	3732274.08	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
5083	499463.98	3732273.13	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
5084	499473.84	3732272.17	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
5085	499483.7	3732271.21	1.28E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
5086	499493.56	3732270.25	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
5087	499503.42	3732269.29	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
5088	499513.28	3732268.33	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
5089	499523.14	3732267.38	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
5090	499533	3732266.42	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5091	499542.86	3732265.46	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
5092	499552.72	3732264.5	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
5093	499562.58	3732263.54	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
5094	499572.44	3732262.58	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
5095	499582.3	3732261.63	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5096	499592.16	3732260.67	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
5097	499602.02	3732259.71	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
5098	499611.88	3732258.75	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
5099	499621.74	3732257.79	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5100	499631.6	3732256.83	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
5101	499641.46	3732255.88	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
5102	499651.32	3732254.92	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
5103	499661.18	3732253.96	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
5104	499671.04	3732253	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
5105	499680.9	3732252.04	1.72E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
5106	499690.76	3732251.09	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
5107	499700.62	3732250.13	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
5108	499710.48	3732249.17	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
5109	499720.34	3732248.21	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
5110	499730.2	3732247.25	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
5111	499740.06	3732246.29	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
5112	499749.92	3732245.34	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
5113	499759.78	3732244.38	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
5114	499769.63	3732243.42	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
5115	499779.49	3732242.46	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
5116	499789.35	3732241.5	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
5117	499799.21	3732240.54	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
5118	499809.07	3732239.59	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.84E-05	0.00E+00	0.00E+00
5119	499818.93	3732238.63	2.16E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
5120	499828.79	3732237.67	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
5121	499838.65	3732236.71	2.23E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.18E-05	0.00E+00	0.00E+00
5122	499848.51	3732235.75	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
5123	499858.37	3732234.79	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
5124	499868.23	3732233.84	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
5125	499878.09	3732232.88	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
5126	499887.95	3732231.92	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5127	499897.81	3732230.96	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
5128	499907.67	3732230	2.49E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.01E-05	0.00E+00	0.00E+00
5129	499917.53	3732229.05	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
5130	499927.39	3732228.09	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
5131	499937.25	3732227.13	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
5132	499947.11	3732226.17	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.98E-05	8.50E-05	0.00E+00	0.00E+00
5133	499956.97	3732225.21	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
5134	499966.83	3732224.25	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
5135	499976.69	3732223.3	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
5136	499986.55	3732222.34	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
5137	499996.41	3732221.38	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
5138	500006.27	3732220.42	2.87E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
5139	500016.13	3732219.46	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
5140	500025.99	3732218.5	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
5141	500035.85	3732217.55	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
5142	500045.71	3732216.59	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
5143	500055.57	3732215.63	3.05E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
5144	500065.43	3732214.67	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
5145	500075.29	3732213.71	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
5146	500085.15	3732212.75	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
5147	500095.01	3732211.8	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
5148	500104.87	3732210.84	3.21E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00

5149	500114.73	3732209.88	3.25E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
5150	500124.59	3732208.92	3.27E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
5151	500134.45	3732207.96	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
5152	500144.31	3732207	3.33E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
5153	500154.17	3732206.05	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
5154	499028.81	3733268.2	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
5155	499028.79	3733278.12	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
5156	498994.14	3732951.83	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
5157	498998.81	3732943.12	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
5158	499003.49	3732934.41	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
5159	499008.16	3732925.71	1.07E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
5160	499012.84	3732917	1.07E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
5161	499017.51	3732908.29	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
5162	499022.18	3732899.58	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
5163	499026.86	3732890.88	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
5164	499031.53	3732882.17	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
5165	499036.21	3732873.46	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
5166	499040.88	3732864.76	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5167	499045.56	3732856.05	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5168	499050.23	3732847.34	1.09E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
5169	499054.91	3732838.63	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
5170	499059.58	3732829.93	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
5171	499064.26	3732821.22	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
5172	499068.93	3732812.51	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.51E-05	0.00E+00	0.00E+00
5173	499073.61	3732803.8	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
5174	499078.28	3732795.1	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
5175	499082.96	3732786.39	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
5176	499087.63	3732777.68	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
5177	499092.31	3732768.98	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
5178	499421.97	3732241.76	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
5179	499431.81	3732240.8	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.72E-05	0.00E+00	0.00E+00
5180	499441.64	3732239.85	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
5181	499451.48	3732238.89	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
5182	499461.32	3732237.94	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
5183	499471.15	3732236.98	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
5184	499480.99	3732236.02	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
5185	499490.83	3732235.07	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
5186	499500.66	3732234.11	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5187	499510.5	3732233.16	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
5188	499520.33	3732232.2	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5189	499530.17	3732231.24	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
5190	499540.01	3732230.29	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
5191	499549.84	3732229.33	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.05E-05	4.36E-05	0.00E+00	0.00E+00
5192	499559.68	3732228.38	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5193	499569.52	3732227.42	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
5194	499579.35	3732226.46	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
5195	499589.19	3732225.51	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.62E-05	0.00E+00	0.00E+00
5196	499599.03	3732224.55	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
5197	499608.86	3732223.6	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5198	499618.7	3732222.64	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
5199	499628.54	3732221.68	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
5200	499638.37	3732220.73	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
5201	499648.21	3732219.77	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.04E-05	0.00E+00	0.00E+00
5202	499658.04	3732218.82	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
5203	499667.88	3732217.86	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
5204	499677.72	3732216.9	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
5205	499687.55	3732215.95	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
5206	499697.39	3732214.99	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
5207	499707.23	3732214.04	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
5208	499717.06	3732213.08	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
5209	499726.9	3732212.12	1.78E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.27E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
5210	499736.74	3732211.17	1.80E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
5211	499746.57	3732210.21	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
5212	499756.41	3732209.26	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
5213	499766.25	3732208.3	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
5214	499776.08	3732207.34	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5215	499785.92	3732206.39	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
5216	499795.75	3732205.43	1.98E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
5217	499805.59	3732204.48	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
5218	499815.43	3732203.52	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
5219	499825.26	3732202.56	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
5220	499835.1	3732201.61	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
5221	499844.94	3732200.65	2.14E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
5222	499854.77	3732199.7	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
5223	499864.61	3732198.74	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
5224	499874.45	3732197.78	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
5225	499884.28	3732196.83	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
5226	499894.12	3732195.87	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
5227	499903.96	3732194.92	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.54E-05	0.00E+00	0.00E+00
5228	499913.79	3732193.96	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
5229	499923.63	3732193	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.76E-05	0.00E+00	0.00E+00
5230	499933.46	3732192.05	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
5231	499943.3	3732191.09	2.49E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.99E-05	0.00E+00	0.00E+00
5232	499953.14	3732190.14	2.52E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
5233	499962.97	3732189.18	2.56E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
5234	499972.81	3732188.22	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
5235	499982.65	3732187.27	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
5236	499992.48	3732186.31	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
5237	500002.32	3732185.36	2.69E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.65E-05	0.00E+00	0.00E+00
5238	500012.16	3732184.4	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
5239	500021.99	3732183.44	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
5240	500031.83	3732182.49	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
5241	500041.67	3732181.53	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
5242	500051.5	3732180.58	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.18E-05	0.00E+00	0.00E+00
5243	500061.34	3732179.62	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
5244	500071.17	3732178.66	2.92E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
5245	500081.01	3732177.71	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
5246	498988.81	3733268.11	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
5247	498988.79	3733278.04	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
5248	498954.13	3732951.76	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
5249	498958.79	3732943.07	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
5250	498963.46	3732934.39	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
5251	498968.12	3732925.7	1.01E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
5252	498972.78	3732917.01	1.01E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
5253	498977.45	3732908.32	1.02E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
5254	498982.11	3732899.63	1.02E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
5255	498986.78	3732890.94	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
5256	498991.44	3732882.25	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
5257	498996.11	3732873.57	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
5258	499000.77	3732864.88	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
5259	499005.44	3732856.19	1.02E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
5260	499010.1	3732847.5	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00

5261	499014.77	3732838.81	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
5262	499019.43	3732830.12	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
5263	499024.1	3732821.44	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
5264	499028.76	3732812.75	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5265	499033.42	3732804.06	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5266	499038.09	3732795.37	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
5267	499042.75	3732786.68	1.03E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
5268	499047.42	3732777.99	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
5269	499052.08	3732769.31	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
5270	499056.75	3732760.62	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
5271	499061.41	3732751.93	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.56E-05	3.34E-05	0.00E+00	0.00E+00
5272	499210.68	3732473.9	1.06E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
5273	499215.34	3732465.21	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
5274	499220.01	3732456.52	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
5275	499224.67	3732447.83	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
5276	499229.34	3732439.15	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
5277	499234	3732430.46	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
5278	499409.51	3732207.52	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.51E-05	0.00E+00	0.00E+00
5279	499419.32	3732206.57	1.11E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
5280	499429.14	3732205.62	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
5281	499438.95	3732204.66	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.64E-05	0.00E+00	0.00E+00
5282	499448.77	3732203.71	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
5283	499458.58	3732202.75	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5284	499468.4	3732201.8	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
5285	499478.21	3732200.85	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
5286	499488.03	3732199.89	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.87E-05	0.00E+00	0.00E+00
5287	499497.84	3732198.94	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
5288	499507.66	3732197.98	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
5289	499517.48	3732197.03	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
5290	499527.29	3732196.08	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5291	499537.11	3732195.12	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
5292	499546.92	3732194.17	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5293	499556.74	3732193.21	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
5294	499566.55	3732192.26	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
5295	499576.37	3732191.31	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
5296	499586.18	3732190.35	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
5297	499596	3732189.4	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
5298	499605.81	3732188.44	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.14E-05	4.55E-05	0.00E+00	0.00E+00
5299	499615.63	3732187.49	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
5300	499625.44	3732186.54	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
5301	499635.26	3732185.58	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
5302	499645.07	3732184.63	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
5303	499654.89	3732183.67	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
5304	499664.7	3732182.72	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
5305	499674.52	3732181.77	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5306	499684.33	3732180.81	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
5307	499694.15	3732179.86	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
5308	499703.96	3732178.91	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
5309	500165.28	3732134.07	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.63E-05	0.00E+00	0.00E+00
5310	500175.09	3732133.12	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
5311	500184.91	3732132.16	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
5312	498948.81	3733268.03	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
5313	498948.79	3733277.95	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
5314	498918.43	3732951.65	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5315	498923.12	3732942.92	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5316	498927.81	3732934.19	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5317	498932.49	3732925.46	9.63E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5318	498937.18	3732916.73	9.65E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
5319	498941.87	3732908	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
5320	498946.55	3732899.27	9.67E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
5321	498951.24	3732890.55	9.68E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
5322	498955.92	3732881.82	9.70E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
5323	498960.61	3732873.09	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
5324	498965.3	3732864.36	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
5325	498969.98	3732855.63	9.74E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5326	498974.67	3732846.9	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5327	498979.36	3732838.17	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
5328	498984.04	3732829.44	9.78E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
5329	498988.73	3732820.72	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
5330	498993.41	3732811.99	9.80E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
5331	498998.1	3732803.26	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
5332	499002.79	3732794.53	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5333	499007.47	3732785.8	9.84E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5334	499012.16	3732777.07	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5335	499016.84	3732768.34	9.86E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.17E-05	0.00E+00	0.00E+00
5336	499021.53	3732759.62	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
5337	499026.22	3732750.89	9.89E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
5338	499030.9	3732742.16	9.90E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
5339	499119.94	3732576.31	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5340	499124.63	3732567.58	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5341	499129.31	3732558.85	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5342	499134	3732550.13	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5343	499138.69	3732541.4	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5344	499171.49	3732480.3	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5345	499176.18	3732471.57	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5346	499180.86	3732462.84	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5347	499185.55	3732454.11	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5348	499190.24	3732445.38	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5349	499194.92	3732436.65	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5350	499199.61	3732427.92	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
5351	499823.86	3732135.6	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
5352	499833.72	3732134.64	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5353	499843.58	3732133.69	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.94E-05	6.26E-05	0.00E+00	0.00E+00
5354	499853.44	3732132.73	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
5355	499863.3	3732131.77	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
5356	499873.16	3732130.81	2.04E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.07E-05	6.54E-05	0.00E+00	0.00E+00
5357	499883.02	3732129.85	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
5358	499892.88	3732128.89	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
5359	499902.74	3732127.94	2.12E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
5360	499912.6	3732126.98	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
5361	499922.46	3732126.02	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
5362	499932.32	3732125.06	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
5363	499942.18	3732124.1	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
5364	499952.04	3732123.14	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
5365	499961.9	3732122.19	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
5366	499971.77	3732121.23	2.33E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
5367	499981.63	3732120.27	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.56E-05	7.58E-05	0.00E+00	0.00E+00
5368	499991.49	3732119.31	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
5369	500001.35	3732118.35	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5370	500011.21	3732117.39	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
5371	500021.07	3732116.44	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
5372	500030.93	3732115.48	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00

5373	500040.79	3732114.52	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
5374	500050.65	3732113.56	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
5375	500060.51	3732112.6	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
5376	500070.37	3732111.64	2.62E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.82E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
5377	500080.23	3732110.69	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
5378	500090.09	3732109.73	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
5379	500099.95	3732108.77	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
5380	500109.81	3732107.81	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
5381	500119.68	3732106.85	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
5382	500129.54	3732105.89	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
5383	500139.4	3732104.94	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
5384	500149.26	3732103.98	2.81E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
5385	500159.12	3732103.02	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
5386	500168.98	3732102.06	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
5387	500178.84	3732101.1	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
5388	500188.7	3732100.14	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
5389	498913.1	3733267.95	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
5390	498913.08	3733277.88	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
5391	498882.69	3732951.63	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5392	498887.35	3732942.96	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5393	498892	3732934.28	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5394	498896.66	3732925.61	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5395	498901.31	3732916.94	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5396	498905.97	3732908.27	9.21E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5397	498910.62	3732899.6	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5398	498915.28	3732890.92	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5399	498919.94	3732882.25	9.24E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
5400	498924.59	3732873.58	9.25E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
5401	498929.25	3732864.91	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.98E-05	0.00E+00	0.00E+00
5402	498933.9	3732856.23	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
5403	498938.56	3732847.56	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
5404	498943.22	3732838.89	9.30E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5405	498947.87	3732830.22	9.31E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5406	498952.53	3732821.55	9.33E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5407	498957.18	3732812.87	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
5408	498961.84	3732804.2	9.35E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
5409	498966.49	3732795.53	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
5410	498971.15	3732786.86	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
5411	498975.81	3732778.19	9.38E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
5412	498980.46	3732769.51	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
5413	498985.12	3732760.84	9.40E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
5414	498989.77	3732752.17	9.41E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
5415	498994.43	3732743.5	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
5416	498999.09	3732734.83	9.44E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
5417	499003.74	3732726.15	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
5418	499087.55	3732570.06	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5419	499092.2	3732561.38	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5420	499096.86	3732552.71	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5421	499101.51	3732544.04	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5422	499106.17	3732535.37	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5423	499110.83	3732526.69	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5424	499115.48	3732518.02	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5425	499120.14	3732509.35	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5426	499124.79	3732500.68	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5427	499129.45	3732492.01	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5428	499138.76	3732474.66	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5429	499143.42	3732465.99	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5430	499148.07	3732457.32	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5431	499152.73	3732448.65	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5432	499157.38	3732439.97	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5433	499162.04	3732431.3	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5434	499506.96	3732134.75	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
5435	499516.76	3732133.8	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.79E-05	0.00E+00	0.00E+00
5436	499526.55	3732132.85	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
5437	499536.35	3732131.89	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
5438	499546.15	3732130.94	1.22E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
5439	499555.94	3732129.99	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
5440	499565.74	3732129.04	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
5441	499575.54	3732128.09	1.27E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
5442	499585.34	3732127.13	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.15E-05	0.00E+00	0.00E+00
5443	499595.13	3732126.18	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
5444	499604.93	3732125.23	1.33E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
5445	499614.73	3732124.28	1.34E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
5446	499624.52	3732123.33	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
5447	499634.32	3732122.37	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
5448	499644.12	3732121.42	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
5449	499653.91	3732120.47	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
5450	499663.71	3732119.52	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
5451	499673.51	3732118.56	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
5452	499683.3	3732117.61	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
5453	499693.1	3732116.66	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
5454	499702.9	3732115.71	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
5455	499712.69	3732114.76	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.96E-05	0.00E+00	0.00E+00
5456	499722.49	3732113.8	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5457	499732.29	3732112.85	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
5458	499742.08	3732111.9	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
5459	499751.88	3732110.95	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
5460	499761.68	3732110	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
5461	499771.47	3732109.04	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
5462	499781.27	3732108.09	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
5463	499791.07	3732107.14	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
5464	499800.86	3732106.19	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
5465	499810.66	3732105.24	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
5466	499820.46	3732104.28	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
5467	499830.25	3732103.33	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
5468	499840.05	3732102.38	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
5469	499849.85	3732101.43	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
5470	499859.64	3732100.47	1.91E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
5471	499869.44	3732099.52	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
5472	499879.24	3732098.57	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
5473	499889.03	3732097.62	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
5474	499898.83	3732096.67	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5475	499908.63	3732095.71	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.08E-05	6.58E-05	0.00E+00	0.00E+00
5476	499918.42	3732094.76	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
5477	499928.22	3732093.81	2.10E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
5478	499938.02	3732092.86	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
5479	499947.81	3732091.91	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
5480	499957.61	3732090.95	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
5481	499967.41	3732090	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
5482	499977.2	3732089.05	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
5483	499987	3732088.1	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
5484	499996.8	3732087.14	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00

5485	500006.59	3732086.19	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
5486	500016.39	3732085.24	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.54E-05	0.00E+00	0.00E+00
5487	500026.19	3732084.29	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.63E-05	0.00E+00	0.00E+00
5488	500035.98	3732083.34	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
5489	500045.78	3732082.38	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
5490	500055.58	3732081.43	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
5491	500065.37	3732080.48	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
5492	500075.17	3732079.53	2.50E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
5493	500084.97	3732078.58	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
5494	500094.76	3732077.62	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
5495	500104.56	3732076.67	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
5496	500114.36	3732075.72	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.35E-05	0.00E+00	0.00E+00
5497	500124.15	3732074.77	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
5498	500133.95	3732073.81	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
5499	500143.75	3732072.86	2.67E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.56E-05	0.00E+00	0.00E+00
5500	500153.55	3732071.91	2.69E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
5501	500163.34	3732070.96	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
5502	500173.14	3732070.01	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.10E-05	8.76E-05	0.00E+00	0.00E+00
5503	500182.94	3732069.05	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
5504	500192.73	3732068.1	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
5505	498877.38	3733267.88	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
5506	498877.36	3733277.8	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5507	498847	3732951.51	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5508	498851.67	3732942.8	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5509	498856.35	3732934.09	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5510	498861.02	3732925.38	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5511	498865.7	3732916.67	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5512	498870.38	3732907.96	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5513	498875.05	3732899.25	8.80E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.83E-05	0.00E+00	0.00E+00
5514	498879.73	3732890.54	8.81E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
5515	498884.4	3732881.83	8.82E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
5516	498889.08	3732873.12	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5517	498893.76	3732864.42	8.84E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5518	498898.43	3732855.71	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5519	498903.11	3732847	8.86E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
5520	498907.79	3732838.29	8.87E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
5521	498912.46	3732829.58	8.88E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
5522	498917.14	3732820.87	8.90E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5523	498921.81	3732812.16	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5524	498926.49	3732803.45	8.92E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5525	498931.17	3732794.74	8.93E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	1.65E-04	0.00E+00	0.00E+00	1.34E-05	2.87E-05	0.00E+00	0.00E+00
5526	498935.84	3732786.03	8.94E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
5527	498940.52	3732777.32	8.95E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
5528	498945.2	3732768.61	8.96E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5529	498949.87	3732759.9	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5530	498954.55	3732751.19	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5531	498959.22	3732742.48	8.99E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.89E-05	0.00E+00	0.00E+00
5532	498963.9	3732733.77	9.00E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
5533	498968.58	3732725.06	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
5534	498973.25	3732716.35	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
5535	499062.1	3732550.86	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5536	499066.78	3732542.15	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5537	499071.45	3732533.44	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5538	499076.13	3732524.73	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5539	499080.8	3732516.02	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5540	499085.48	3732507.31	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5541	499090.16	3732498.6	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5542	499094.83	3732489.89	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5543	499099.51	3732481.18	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5544	499104.18	3732472.47	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5545	499108.86	3732463.76	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5546	499113.54	3732455.05	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5547	499118.21	3732446.34	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5548	499122.89	3732437.63	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5549	499127.57	3732428.92	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5550	499132.24	3732420.21	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5551	499136.92	3732411.5	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5552	499141.59	3732402.79	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5553	499146.27	3732394.08	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5554	499286.56	3732132.78	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5555	499301.07	3732123.11	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5556	499310.91	3732122.15	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
5557	499320.75	3732121.2	9.10E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
5558	499330.59	3732120.24	9.20E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5559	499340.43	3732119.29	9.30E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5560	499350.27	3732118.33	9.40E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
5561	499497.86	3732103.99	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
5562	499507.7	3732103.03	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
5563	499517.54	3732102.07	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
5564	499527.38	3732101.12	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5565	499537.22	3732100.16	1.17E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
5566	499547.06	3732099.2	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
5567	499556.9	3732098.25	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
5568	499566.74	3732097.29	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
5569	499576.58	3732096.34	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
5570	499586.42	3732095.38	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
5571	499596.26	3732094.42	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5572	499606.1	3732093.47	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
5573	499615.93	3732092.51	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5574	499625.77	3732091.55	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
5575	499635.61	3732090.6	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
5576	499645.45	3732089.64	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
5577	499655.29	3732088.68	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5578	499665.13	3732087.73	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
5579	499674.97	3732086.77	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
5580	499684.81	3732085.82	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
5581	499694.65	3732084.86	1.45E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
5582	499704.49	3732083.9	1.47E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
5583	499714.33	3732082.95	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
5584	499724.17	3732081.99	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
5585	499734.01	3732081.03	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
5586	499743.85	3732080.08	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
5587	499753.69	3732079.12	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
5588	499763.53	3732078.17	1.60E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.96E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
5589	499773.37	3732077.21	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
5590	499783.21	3732076.25	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
5591	499793.05	3732075.3	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
5592	499802.89	3732074.34	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
5593	499812.72	3732073.38	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
5594	499822.56	3732072.43	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
5595	499832.4	3732071.47	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
5596	499842.24	3732070.52	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00

5597	499852.08	3732069.56	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.83E-05	0.00E+00	0.00E+00
5598	499861.92	3732068.6	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
5599	499871.76	3732067.65	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
5600	499881.6	3732066.69	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
5601	499891.44	3732065.73	1.92E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
5602	499901.28	3732064.78	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
5603	499911.12	3732063.82	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
5604	499920.96	3732062.87	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
5605	499930.8	3732061.91	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5606	499940.64	3732060.95	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
5607	499950.48	3732060	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
5608	499960.32	3732059.04	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
5609	499970.16	3732058.08	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
5610	499980	3732057.13	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
5611	499989.84	3732056.17	2.17E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
5612	499999.68	3732055.21	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
5613	500009.51	3732054.26	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
5614	500019.35	3732053.3	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.22E-05	0.00E+00	0.00E+00
5615	500029.19	3732052.35	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
5616	500039.03	3732051.39	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
5617	500048.87	3732050.43	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
5618	500058.71	3732049.48	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
5619	500068.55	3732048.52	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
5620	500078.39	3732047.56	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
5621	500088.23	3732046.61	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5622	500098.07	3732045.65	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.84E-05	0.00E+00	0.00E+00
5623	500107.91	3732044.7	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
5624	500117.75	3732043.74	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
5625	500127.59	3732042.78	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
5626	500137.43	3732041.83	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
5627	500147.27	3732040.87	2.55E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
5628	500157.11	3732039.91	2.57E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
5629	500166.95	3732038.96	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
5630	500176.79	3732038	2.60E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
5631	500186.63	3732037.05	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
5632	500196.47	3732036.09	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
5633	498841.67	3733267.8	1.02E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
5634	498841.65	3733277.72	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5635	498811.25	3732951.49	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5636	498815.9	3732942.83	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5637	498820.55	3732934.18	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5638	498825.2	3732925.52	8.38E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5639	498829.85	3732916.86	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5640	498834.5	3732908.2	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5641	498839.14	3732899.54	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5642	498843.79	3732890.88	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5643	498848.44	3732882.23	8.43E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5644	498853.09	3732873.57	8.44E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5645	498857.74	3732864.91	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5646	498862.38	3732856.25	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
5647	498867.03	3732847.59	8.47E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
5648	498871.68	3732838.94	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
5649	498876.33	3732830.28	8.49E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5650	498880.98	3732821.62	8.50E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5651	498885.63	3732812.96	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5652	498890.27	3732804.3	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
5653	498894.92	3732795.65	8.53E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
5654	498899.57	3732786.99	8.54E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	1.57E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
5655	498904.22	3732778.33	8.55E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5656	498908.87	3732769.67	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5657	498913.52	3732761.01	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5658	498918.16	3732752.36	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
5659	498922.81	3732743.7	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
5660	498927.46	3732735.04	8.60E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
5661	498932.11	3732726.38	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.76E-05	0.00E+00	0.00E+00
5662	498936.76	3732717.72	8.62E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
5663	498941.41	3732709.06	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
5664	498946.05	3732700.41	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
5665	498950.7	3732691.75	8.64E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5666	498955.35	3732683.09	8.65E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5667	498960	3732674.43	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5668	498964.65	3732665.77	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.78E-05	0.00E+00	0.00E+00
5669	498969.3	3732657.12	8.68E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5670	498973.94	3732648.46	8.69E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5671	498978.59	3732639.8	8.70E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5672	498983.24	3732631.14	8.70E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5673	498987.89	3732622.48	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5674	498992.54	3732613.83	8.72E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5675	498997.19	3732605.17	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5676	499001.83	3732596.51	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5677	499006.48	3732587.85	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5678	499011.13	3732579.19	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5679	499015.78	3732570.54	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5680	499020.43	3732561.88	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5681	499029.72	3732544.56	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5682	499034.37	3732535.9	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5683	499039.02	3732527.25	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5684	499043.67	3732518.59	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5685	499048.32	3732509.93	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5686	499052.97	3732501.27	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5687	499057.61	3732492.61	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5688	499062.26	3732483.95	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5689	499066.91	3732475.3	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5690	499071.56	3732466.64	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5691	499076.21	3732457.98	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5692	499080.86	3732449.32	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5693	499085.5	3732440.66	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5694	499090.15	3732432.01	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5695	499094.8	3732423.35	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5696	499099.45	3732414.69	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5697	499104.1	3732406.03	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5698	499108.75	3732397.37	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5699	499113.39	3732388.72	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5700	499118.04	3732380.06	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5701	499122.69	3732371.4	8.76E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5702	499127.34	3732362.74	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5703	499131.99	3732354.08	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5704	499136.64	3732345.43	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5705	499141.28	3732336.77	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5706	499145.93	3732328.11	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5707	499252.84	3732128.97	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
5708	499257.49	3732120.32	8.47E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00

5709	499262.14	3732111.66	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
5710	499266.79	3732103	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5711	499281.22	3732093.39	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
5712	499291	3732092.44	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.76E-05	0.00E+00	0.00E+00
5713	499300.78	3732091.49	8.70E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5714	499310.56	3732090.54	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5715	499320.34	3732089.59	8.88E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
5716	499330.12	3732088.64	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5717	499339.9	3732087.69	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
5718	499349.68	3732086.74	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5719	499486.62	3732073.43	1.07E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
5720	499496.4	3732072.48	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5721	499506.18	3732071.53	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
5722	499515.96	3732070.58	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
5723	499525.74	3732069.63	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
5724	499535.52	3732068.68	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.66E-05	0.00E+00	0.00E+00
5725	499545.3	3732067.72	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
5726	499555.08	3732066.77	1.17E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
5727	499564.86	3732065.82	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
5728	499574.64	3732064.87	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
5729	499584.42	3732063.92	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
5730	499594.21	3732062.97	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
5731	499603.99	3732062.02	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
5732	499613.77	3732061.07	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.04E-05	0.00E+00	0.00E+00
5733	499623.55	3732060.12	1.28E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
5734	499633.33	3732059.17	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
5735	499643.11	3732058.22	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
5736	499652.89	3732057.27	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
5737	499662.67	3732056.32	1.35E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.32E-05	0.00E+00	0.00E+00
5738	499672.45	3732055.37	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
5739	499682.23	3732054.42	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
5740	499692.01	3732053.47	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
5741	499701.79	3732052.52	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
5742	499711.58	3732051.56	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
5743	499721.36	3732050.61	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
5744	499731.14	3732049.66	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5745	499740.92	3732048.71	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
5746	499750.7	3732047.76	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
5747	499760.48	3732046.81	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
5748	499770.26	3732045.86	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
5749	499780.04	3732044.91	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
5750	499789.82	3732043.96	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
5751	499799.6	3732043.01	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
5752	499809.38	3732042.06	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
5753	499819.17	3732041.11	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
5754	499828.95	3732040.16	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
5755	499838.73	3732039.21	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
5756	499848.51	3732038.26	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
5757	499858.29	3732037.31	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
5758	499868.07	3732036.36	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
5759	499877.85	3732035.4	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
5760	499887.63	3732034.45	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
5761	499897.41	3732033.5	1.85E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
5762	499907.19	3732032.55	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
5763	499916.97	3732031.6	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
5764	499926.75	3732030.65	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
5765	499936.54	3732029.7	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
5766	499946.32	3732028.75	1.97E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
5767	499956.1	3732027.8	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
5768	499965.88	3732026.85	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5769	499975.66	3732025.9	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
5770	499985.44	3732024.95	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
5771	499995.22	3732024	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
5772	500005	3732023.05	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.79E-05	0.00E+00	0.00E+00
5773	500014.78	3732022.1	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
5774	500024.56	3732021.15	2.16E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.94E-05	0.00E+00	0.00E+00
5775	500034.34	3732020.2	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
5776	500044.13	3732019.24	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
5777	500053.91	3732018.29	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
5778	500063.69	3732017.34	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.24E-05	0.00E+00	0.00E+00
5779	500073.47	3732016.39	2.28E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.19E-04	0.00E+00	0.00E+00	3.43E-05	7.31E-05	0.00E+00	0.00E+00
5780	500083.25	3732015.44	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
5781	500093.03	3732014.49	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
5782	500102.81	3732013.54	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
5783	500112.59	3732012.59	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
5784	500122.37	3732011.64	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
5785	500132.15	3732010.69	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
5786	500141.93	3732009.74	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5787	500151.72	3732008.79	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
5788	500161.5	3732007.84	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
5789	500171.28	3732006.89	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
5790	500181.06	3732005.94	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
5791	500190.84	3732004.99	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
5792	500200.62	3732004.03	2.52E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
5793	500210.4	3732003.08	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.16E-05	0.00E+00	0.00E+00
5794	500220.18	3732002.13	2.56E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
5795	498805.96	3733267.73	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5796	498805.94	3733277.65	9.80E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	1.81E-04	0.00E+00	0.00E+00	1.47E-05	3.15E-05	0.00E+00	0.00E+00
5797	498775.56	3732951.38	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
5798	498780.23	3732942.69	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
5799	498784.89	3732933.99	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
5800	498789.56	3732925.3	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
5801	498794.23	3732916.61	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
5802	498798.9	3732907.91	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
5803	498803.56	3732899.22	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
5804	498808.23	3732890.52	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
5805	498812.9	3732881.83	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
5806	498817.57	3732873.14	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
5807	498822.23	3732864.44	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5808	498826.9	3732855.75	8.10E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5809	498831.57	3732847.05	8.11E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5810	498836.24	3732838.36	8.11E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5811	498840.9	3732829.67	8.12E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5812	498845.57	3732820.97	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5813	498850.24	3732812.28	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.61E-05	0.00E+00	0.00E+00
5814	498854.91	3732803.59	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5815	498859.57	3732794.89	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5816	498864.24	3732786.2	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5817	498868.91	3732777.5	8.18E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
5818	498873.58	3732768.81	8.19E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
5819	498878.24	3732760.12	8.20E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
5820	498882.91	3732751.42	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00

5821	498887.58	3732742.73	8.22E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
5822	498892.25	3732734.04	8.22E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
5823	498896.91	3732725.34	8.23E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
5824	498901.58	3732716.65	8.24E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5825	498906.25	3732707.95	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5826	498910.92	3732699.26	8.26E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5827	498915.58	3732690.57	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.66E-05	0.00E+00	0.00E+00
5828	498920.25	3732681.87	8.28E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
5829	498924.92	3732673.18	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
5830	498929.59	3732664.49	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
5831	498934.25	3732655.79	8.30E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5832	498938.92	3732647.1	8.31E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5833	498943.59	3732638.4	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5834	498948.25	3732629.71	8.33E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5835	498952.92	3732621.02	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
5836	498957.59	3732612.32	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5837	498962.26	3732603.63	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5838	498966.92	3732594.94	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5839	498971.59	3732586.24	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5840	498976.26	3732577.55	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5841	498980.93	3732568.85	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5842	498985.59	3732560.16	8.38E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5843	498990.26	3732551.47	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5844	498994.93	3732542.77	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5845	498999.6	3732534.08	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5846	499004.26	3732525.39	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5847	499008.93	3732516.69	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5848	499013.6	3732508	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5849	499018.27	3732499.3	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5850	499022.93	3732490.61	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5851	499027.6	3732481.92	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5852	499032.27	3732473.22	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5853	499036.94	3732464.53	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5854	499041.6	3732455.83	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5855	499046.27	3732447.14	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5856	499050.94	3732438.45	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5857	499055.61	3732429.75	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5858	499060.27	3732421.06	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5859	499064.94	3732412.37	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5860	499069.61	3732403.67	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5861	499074.28	3732394.98	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5862	499078.94	3732386.28	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5863	499083.61	3732377.59	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5864	499088.28	3732368.9	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5865	499092.95	3732360.2	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5866	499097.61	3732351.51	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5867	499102.28	3732342.82	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5868	499106.95	3732334.12	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5869	499111.62	3732325.43	8.38E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5870	499116.28	3732316.73	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5871	499120.95	3732308.04	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5872	499125.62	3732299.35	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5873	499130.29	3732290.65	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5874	499134.95	3732281.96	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5875	499139.62	3732273.27	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
5876	499144.29	3732264.57	8.33E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5877	499148.96	3732255.88	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5878	499214.3	3732134.16	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5879	499218.97	3732125.47	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5880	499223.64	3732116.78	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5881	499228.3	3732108.08	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5882	499232.97	3732099.39	8.12E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5883	499237.64	3732090.7	8.11E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5884	499242.31	3732082	8.10E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5885	499246.97	3732073.31	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5886	499261.46	3732063.66	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5887	499271.28	3732062.71	8.24E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5888	499281.1	3732061.75	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5889	499290.93	3732060.8	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5890	499300.75	3732059.84	8.49E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5891	499310.57	3732058.89	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5892	499320.39	3732057.93	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5893	499330.21	3732056.98	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5894	499340.03	3732056.02	8.84E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5895	499349.85	3732055.07	8.93E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
5896	499428.42	3732047.43	9.74E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5897	499438.24	3732046.48	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5898	499448.06	3732045.52	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
5899	499457.89	3732044.57	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
5900	499467.71	3732043.62	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
5901	499477.53	3732042.66	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5902	499487.35	3732041.71	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
5903	499497.17	3732040.75	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
5904	499506.99	3732039.8	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
5905	499516.81	3732038.84	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
5906	499526.63	3732037.89	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
5907	499536.46	3732036.93	1.11E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
5908	499546.28	3732035.98	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
5909	499556.1	3732035.02	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
5910	499565.92	3732034.07	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
5911	499575.74	3732033.12	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5912	499585.56	3732032.16	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
5913	499595.38	3732031.21	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
5914	499605.2	3732030.25	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
5915	499615.03	3732029.3	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
5916	499624.85	3732028.34	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
5917	499634.67	3732027.39	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
5918	499644.49	3732026.43	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5919	499654.31	3732025.48	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
5920	499664.13	3732024.53	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5921	499673.95	3732023.57	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
5922	499683.77	3732022.62	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
5923	499693.59	3732021.66	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
5924	499703.42	3732020.71	1.38E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5925	499713.24	3732019.75	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
5926	499723.06	3732018.8	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.53E-05	0.00E+00	0.00E+00
5927	499732.88	3732017.84	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
5928	499742.7	3732016.89	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
5929	499752.52	3732015.93	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
5930	499762.34	3732014.98	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
5931	499772.16	3732014.03	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
5932	499781.99	3732013.07	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00

5933	499791.81	3732012.12	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
5934	499801.63	3732011.16	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5935	499811.45	3732010.21	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
5936	499821.27	3732009.25	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
5937	499831.09	3732008.3	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
5938	499840.91	3732007.34	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
5939	499850.73	3732006.39	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
5940	499860.56	3732005.44	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
5941	499870.38	3732004.48	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
5942	499880.2	3732003.53	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
5943	499890.02	3732002.57	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.66E-05	0.00E+00	0.00E+00
5944	499899.84	3732001.62	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
5945	499909.66	3732000.66	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
5946	499919.48	3731999.71	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
5947	499929.3	3731998.75	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
5948	499939.12	3731997.8	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
5949	499948.95	3731996.84	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
5950	499958.77	3731995.89	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5951	499968.59	3731994.94	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.24E-05	0.00E+00	0.00E+00
5952	499978.41	3731993.98	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
5953	499988.23	3731993.03	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
5954	499998.05	3731992.07	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.03E-05	6.45E-05	0.00E+00	0.00E+00
5955	500007.87	3731991.12	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
5956	500017.69	3731990.16	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
5957	500027.52	3731989.21	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.12E-05	6.67E-05	0.00E+00	0.00E+00
5958	500037.34	3731988.25	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
5959	500047.16	3731987.3	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
5960	500056.98	3731986.34	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
5961	500066.8	3731985.39	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
5962	500076.62	3731984.44	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
5963	500086.44	3731983.48	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
5964	500096.26	3731982.53	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
5965	500106.09	3731981.57	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
5966	500115.91	3731980.62	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
5967	500125.73	3731979.66	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
5968	500135.55	3731978.71	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
5969	500145.37	3731977.75	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
5970	500155.19	3731976.8	2.34E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
5971	500165.01	3731975.85	2.35E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.54E-05	7.56E-05	0.00E+00	0.00E+00
5972	500174.83	3731974.89	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
5973	500184.66	3731973.94	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
5974	500194.48	3731972.98	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
5975	500204.3	3731972.03	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.76E-05	0.00E+00	0.00E+00
5976	500214.12	3731971.07	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
5977	500223.94	3731970.12	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
5978	500233.76	3731969.16	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
5979	498770.24	3733267.65	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
5980	498770.22	3733277.57	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
5981	498739.86	3732951.27	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
5982	498744.55	3732942.54	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5983	498749.23	3732933.82	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5984	498753.92	3732925.09	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5985	498758.6	3732916.36	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5986	498763.29	3732907.63	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5987	498767.98	3732898.91	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5988	498772.66	3732890.18	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5989	498777.35	3732881.45	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5990	498782.03	3732872.72	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5991	498786.72	3732864	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5992	498791.4	3732855.27	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5993	498796.09	3732846.54	7.77E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5994	498800.77	3732837.81	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5995	498805.46	3732829.09	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5996	498810.15	3732820.36	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5997	498814.83	3732811.63	7.80E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5998	498819.52	3732802.9	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
5999	498824.2	3732794.18	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6000	498828.89	3732785.45	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6001	498833.57	3732776.72	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6002	498838.26	3732767.99	7.84E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6003	498842.94	3732759.27	7.85E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6004	498847.63	3732750.54	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6005	498852.32	3732741.81	7.87E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.53E-05	0.00E+00	0.00E+00
6006	498857	3732733.08	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
6007	498861.69	3732724.36	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
6008	498866.37	3732715.63	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
6009	498871.06	3732706.9	7.90E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6010	498875.74	3732698.17	7.91E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6011	498880.43	3732689.45	7.92E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6012	498885.11	3732680.72	7.93E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6013	498889.8	3732671.99	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6014	498894.49	3732663.27	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6015	498899.17	3732654.54	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6016	498903.86	3732645.81	7.96E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6017	498908.54	3732637.08	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6018	498913.23	3732628.36	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6019	498917.91	3732619.63	7.98E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6020	498922.6	3732610.9	7.99E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6021	498927.28	3732602.17	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6022	498931.97	3732593.45	8.00E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.48E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6023	498936.66	3732584.72	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6024	498941.34	3732575.99	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6025	498946.03	3732567.26	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6026	498950.71	3732558.54	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6027	498955.4	3732549.81	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6028	498960.08	3732541.08	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6029	498964.77	3732532.35	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6030	498969.45	3732523.63	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6031	498974.14	3732514.9	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6032	498978.83	3732506.17	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6033	498983.51	3732497.44	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6034	498988.2	3732488.72	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6035	498992.88	3732479.99	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6036	498997.57	3732471.26	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6037	499002.25	3732462.53	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6038	499006.94	3732453.81	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6039	499011.62	3732445.08	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6040	499016.31	3732436.35	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6041	499021	3732427.62	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6042	499025.68	3732418.9	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6043	499030.37	3732410.17	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6044	499035.05	3732401.44	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00

6045	499039.74	3732392.71	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6046	499044.42	3732383.99	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6047	499049.11	3732375.26	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6048	499053.79	3732366.53	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6049	499058.48	3732357.8	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6050	499063.17	3732349.08	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6051	499067.85	3732340.35	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6052	499072.54	3732331.62	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6053	499077.22	3732322.89	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6054	499081.91	3732314.17	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6055	499086.59	3732305.44	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6056	499091.28	3732296.71	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6057	499095.96	3732287.98	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6058	499100.65	3732279.26	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6059	499105.34	3732270.53	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6060	499110.02	3732261.8	8.00E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6061	499114.71	3732253.07	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6062	499119.39	3732244.35	7.99E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6063	499124.08	3732235.62	7.98E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6064	499128.76	3732226.89	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6065	499133.45	3732218.16	7.96E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6066	499138.13	3732209.44	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6067	499142.82	3732200.71	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6068	499147.51	3732191.98	7.93E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6069	499180.3	3732130.89	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.53E-05	0.00E+00	0.00E+00
6070	499184.99	3732122.16	7.85E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6071	499189.68	3732113.44	7.84E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6072	499194.36	3732104.71	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6073	499199.05	3732095.98	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6074	499203.73	3732087.25	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6075	499208.42	3732078.53	7.80E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.51E-05	0.00E+00	0.00E+00
6076	499213.1	3732069.8	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
6077	499217.79	3732061.07	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
6078	499222.47	3732052.34	7.77E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6079	499227.16	3732043.62	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6080	499241.7	3732033.93	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6081	499251.56	3732032.97	7.89E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6082	499261.42	3732032.01	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6083	499271.28	3732031.06	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6084	499281.14	3732030.1	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
6085	499291	3732029.14	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
6086	499300.86	3732028.18	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
6087	499310.72	3732027.22	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
6088	499320.58	3732026.26	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
6089	499330.44	3732025.31	8.54E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	1.57E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
6090	499340.3	3732024.35	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
6091	499350.16	3732023.39	8.72E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
6092	499409.31	3732017.64	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
6093	499419.17	3732016.68	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
6094	499429.03	3732015.72	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
6095	499438.89	3732014.77	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
6096	499448.75	3732013.81	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
6097	499458.61	3732012.85	9.82E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
6098	499468.47	3732011.89	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.19E-05	0.00E+00	0.00E+00
6099	499478.33	3732010.93	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
6100	499488.19	3732009.98	1.02E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
6101	499498.05	3732009.02	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
6102	499507.9	3732008.06	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
6103	499517.76	3732007.1	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
6104	499527.62	3732006.14	1.06E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
6105	499537.48	3732005.18	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
6106	499547.34	3732004.23	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
6107	499557.2	3732003.27	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
6108	499567.06	3732002.31	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
6109	499576.92	3732001.35	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
6110	499586.78	3732000.39	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
6111	499596.64	3731999.43	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.72E-05	0.00E+00	0.00E+00
6112	499606.5	3731998.48	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
6113	499616.36	3731997.52	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
6114	499626.22	3731996.56	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
6115	499636.07	3731995.6	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6116	499645.93	3731994.64	1.23E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
6117	499655.79	3731993.69	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
6118	499665.65	3731992.73	1.27E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
6119	499675.51	3731991.77	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
6120	499685.37	3731990.81	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
6121	499695.23	3731989.85	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
6122	499705.09	3731988.89	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
6123	499714.95	3731987.94	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
6124	499724.81	3731986.98	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
6125	499734.67	3731986.02	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
6126	499744.53	3731985.06	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
6127	499754.39	3731984.1	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6128	499764.24	3731983.15	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
6129	499774.1	3731982.19	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
6130	499783.96	3731981.23	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
6131	499793.82	3731980.27	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
6132	499803.68	3731979.31	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.87E-05	0.00E+00	0.00E+00
6133	499813.54	3731978.35	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
6134	499823.4	3731977.4	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
6135	499833.26	3731976.44	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.07E-05	0.00E+00	0.00E+00
6136	499843.12	3731975.48	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.41E-05	5.13E-05	0.00E+00	0.00E+00
6137	499852.98	3731974.52	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
6138	499862.84	3731973.56	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
6139	499872.7	3731972.6	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
6140	499882.56	3731971.65	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
6141	499892.41	3731970.69	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.46E-05	0.00E+00	0.00E+00
6142	499902.27	3731969.73	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
6143	499912.13	3731968.77	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
6144	499921.99	3731967.81	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.66E-05	0.00E+00	0.00E+00
6145	499931.85	3731966.86	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
6146	499941.71	3731965.9	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
6147	499951.57	3731964.94	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
6148	499961.43	3731963.98	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
6149	499971.29	3731963.02	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
6150	499981.15	3731962.06	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
6151	499991.01	3731961.11	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
6152	500000.87	3731960.15	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
6153	500010.73	3731959.19	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
6154	500020.59	3731958.23	1.97E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
6155	500030.44	3731957.27	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
6156	500040.3	3731956.32	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00

6157	500050.16	3731955.36	2.03E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
6158	500060.02	3731954.4	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.60E-05	0.00E+00	0.00E+00
6159	500069.88	3731953.44	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
6160	500079.74	3731952.48	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
6161	500089.6	3731951.52	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
6162	500099.46	3731950.57	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
6163	500109.32	3731949.61	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
6164	500119.18	3731948.65	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
6165	500129.04	3731947.69	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
6166	500138.9	3731946.73	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
6167	500148.76	3731945.78	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
6168	500158.61	3731944.82	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
6169	500168.47	3731943.86	2.26E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.24E-05	0.00E+00	0.00E+00
6170	500178.33	3731942.9	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6171	500188.19	3731941.94	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6172	500198.05	3731940.98	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
6173	500207.91	3731940.03	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
6174	500217.77	3731939.07	2.33E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
6175	500227.63	3731938.11	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
6176	500237.49	3731937.15	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.57E-05	0.00E+00	0.00E+00
6177	498734.53	3733267.58	8.87E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.63E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
6178	498734.51	3733277.5	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
6179	498713.44	3732933.88	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
6180	498718.1	3732925.2	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
6181	498722.76	3732916.53	7.39E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
6182	498727.42	3732907.85	7.40E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.38E-05	0.00E+00	0.00E+00
6183	498732.08	3732899.17	7.41E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.38E-05	0.00E+00	0.00E+00
6184	498736.74	3732890.49	7.41E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.38E-05	0.00E+00	0.00E+00
6185	498741.4	3732881.81	7.42E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.38E-05	0.00E+00	0.00E+00
6186	498746.06	3732873.13	7.43E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6187	498750.72	3732864.45	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6188	498755.38	3732855.77	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6189	498760.04	3732847.09	7.45E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6190	498764.7	3732838.41	7.46E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.40E-05	0.00E+00	0.00E+00
6191	498769.36	3732829.73	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.12E-05	2.40E-05	0.00E+00	0.00E+00
6192	498774.02	3732821.05	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6193	498778.68	3732812.37	7.48E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6194	498783.34	3732803.69	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6195	498788	3732795.01	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6196	498792.66	3732786.33	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6197	498797.32	3732777.65	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6198	498801.98	3732768.97	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6199	498806.64	3732760.29	7.53E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6200	498811.3	3732751.61	7.53E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6201	498815.96	3732742.93	7.54E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
6202	498820.62	3732734.25	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
6203	498825.28	3732725.57	7.56E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6204	498829.94	3732716.89	7.57E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6205	498834.6	3732708.21	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6206	498839.26	3732699.53	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6207	498843.92	3732690.85	7.59E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
6208	498848.58	3732682.17	7.60E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
6209	498853.24	3732673.49	7.60E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
6210	498857.9	3732664.82	7.61E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.44E-05	0.00E+00	0.00E+00
6211	498862.56	3732656.14	7.62E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6212	498867.22	3732647.46	7.63E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6213	498871.88	3732638.78	7.63E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6214	498876.54	3732630.1	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6215	498881.2	3732621.42	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6216	498885.86	3732612.74	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6217	498890.52	3732604.06	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6218	498895.18	3732595.38	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.16E-05	2.46E-05	0.00E+00	0.00E+00
6219	498899.84	3732586.7	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6220	498904.5	3732578.02	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6221	498909.16	3732569.34	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6222	498913.82	3732560.66	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6223	498918.48	3732551.98	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6224	498923.14	3732543.3	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6225	498927.8	3732534.62	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6226	498932.46	3732525.94	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6227	498937.12	3732517.26	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6228	498941.78	3732508.58	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6229	498946.44	3732499.9	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6230	498951.1	3732491.22	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6231	498955.76	3732482.54	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6232	498960.42	3732473.86	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6233	498965.08	3732465.18	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6234	498969.74	3732456.5	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6235	498974.4	3732447.82	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6236	498979.06	3732439.14	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6237	498983.72	3732430.46	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6238	498988.38	3732421.79	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6239	498993.04	3732413.11	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6240	498997.7	3732404.43	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6241	499002.36	3732395.75	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6242	499007.02	3732387.07	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6243	499011.67	3732378.39	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6244	499016.33	3732369.71	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6245	499020.99	3732361.03	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6246	499025.65	3732352.35	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6247	499030.31	3732343.67	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6248	499034.97	3732334.99	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6249	499039.63	3732326.31	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6250	499044.29	3732317.63	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6251	499048.95	3732308.95	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6252	499053.61	3732300.27	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6253	499058.27	3732291.59	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6254	499062.93	3732282.91	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6255	499067.59	3732274.23	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6256	499072.25	3732265.55	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6257	499076.91	3732256.87	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6258	499081.57	3732248.19	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6259	499086.23	3732239.51	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6260	499090.89	3732230.83	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6261	499095.55	3732222.15	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6262	499100.21	3732213.47	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6263	499104.87	3732204.79	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6264	499109.53	3732196.11	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6265	499114.19	3732187.43	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6266	499146.81	3732126.68	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6267	499151.47	3732118	7.56E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6268	499156.13	3732109.32	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00

6269	499160.79	3732100.64	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
6270	499165.45	3732091.96	7.54E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6271	499170.11	3732083.28	7.53E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6272	499174.77	3732074.6	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6273	499179.43	3732065.92	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6274	499184.09	3732057.24	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6275	499188.75	3732048.56	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6276	499193.41	3732039.88	7.48E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6277	499198.07	3732031.2	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.12E-05	2.40E-05	0.00E+00	0.00E+00
6278	499202.73	3732022.52	7.45E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6279	499207.39	3732013.84	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6280	499221.86	3732004.21	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6281	499231.66	3732003.26	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6282	499241.47	3732002.3	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6283	499251.27	3732001.35	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6284	499261.08	3732000.4	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
6285	499270.88	3731999.44	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6286	499280.69	3731998.49	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6287	499290.49	3731997.54	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6288	499300.3	3731996.59	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
6289	499310.1	3731995.63	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
6290	499319.91	3731994.68	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
6291	499329.71	3731993.73	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
6292	499339.52	3731992.77	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
6293	499349.32	3731991.82	8.50E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
6294	499417.96	3731985.15	9.14E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
6295	499427.77	3731984.2	9.24E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
6296	499437.57	3731983.24	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
6297	499447.38	3731982.29	9.44E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
6298	499457.18	3731981.34	9.55E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
6299	499466.99	3731980.39	9.65E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
6300	499476.79	3731979.43	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
6301	499486.6	3731978.48	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
6302	499496.4	3731977.53	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
6303	499506.21	3731976.57	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
6304	499516.01	3731975.62	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
6305	499525.82	3731974.67	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
6306	499535.62	3731973.71	1.05E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
6307	499545.43	3731972.76	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
6308	499555.23	3731971.81	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
6309	499565.04	3731970.86	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
6310	499574.84	3731969.9	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
6311	499584.65	3731968.95	1.11E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
6312	499594.45	3731968	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
6313	499604.26	3731967.04	1.14E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
6314	499614.06	3731966.09	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
6315	499623.87	3731965.14	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
6316	499633.68	3731964.18	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
6317	499643.48	3731963.23	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
6318	499653.29	3731962.28	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
6319	499663.09	3731961.33	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
6320	499672.9	3731960.37	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.98E-05	0.00E+00	0.00E+00
6321	499682.7	3731959.42	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
6322	499692.51	3731958.47	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
6323	499702.31	3731957.51	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
6324	499712.12	3731956.56	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
6325	499721.92	3731955.61	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
6326	499731.73	3731954.66	1.34E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
6327	499741.53	3731953.7	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
6328	499751.34	3731952.75	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
6329	499761.14	3731951.8	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
6330	499770.95	3731950.84	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
6331	499780.75	3731949.89	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6332	499790.56	3731948.94	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
6333	499800.36	3731947.98	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
6334	499810.17	3731947.03	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
6335	499819.97	3731946.08	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
6336	499829.78	3731945.13	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
6337	499839.59	3731944.17	1.53E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
6338	499849.39	3731943.22	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.98E-05	0.00E+00	0.00E+00
6339	499859.2	3731942.27	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
6340	499869	3731941.31	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
6341	499878.81	3731940.36	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
6342	499888.61	3731939.41	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
6343	499898.42	3731938.46	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
6344	499908.22	3731937.5	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
6345	499918.03	3731936.55	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
6346	499927.83	3731935.6	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
6347	499937.64	3731934.64	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
6348	499947.44	3731933.69	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
6349	499957.25	3731932.74	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
6350	499967.05	3731931.78	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
6351	499976.86	3731930.83	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
6352	499986.66	3731929.88	1.83E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
6353	499996.47	3731928.93	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
6354	500006.27	3731927.97	1.86E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
6355	500016.08	3731927.02	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
6356	500025.88	3731926.07	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
6357	500035.69	3731925.11	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
6358	500045.5	3731924.16	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
6359	500055.3	3731923.21	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
6360	500065.11	3731922.25	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
6361	500074.91	3731921.3	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
6362	500084.72	3731920.35	2.02E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
6363	500094.52	3731919.4	2.03E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
6364	500104.33	3731918.44	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
6365	500114.13	3731917.49	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
6366	500123.94	3731916.54	2.09E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
6367	500133.74	3731915.58	2.10E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.75E-05	0.00E+00	0.00E+00
6368	500143.55	3731914.63	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
6369	500153.35	3731913.68	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.21E-05	6.86E-05	0.00E+00	0.00E+00
6370	500163.16	3731912.73	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
6371	500172.96	3731911.77	2.17E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
6372	500182.77	3731910.82	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
6373	500192.57	3731909.87	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
6374	500202.38	3731908.91	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
6375	500212.18	3731907.96	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
6376	500221.99	3731907.01	2.24E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
6377	500231.79	3731906.05	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
6378	500241.6	3731905.1	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
6379	500280.82	3731901.29	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.48E-05	7.41E-05	0.00E+00	0.00E+00
6380	498698.81	3733267.5	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00

6381	498698.79	3733277.42	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
6382	499638.42	3733557.27	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
6383	499627.74	3733544.8	1.00E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
6384	499620.92	3733581.67	9.79E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
6385	499610.38	3733569.36	9.30E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
6386	499599.83	3733557.05	8.82E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
6387	499589.29	3733544.74	8.36E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
6388	499632.9	3733592.67	0.001037	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
6389	499603.4	3733606.05	0.000907	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.91E-04	0.00E+00	0.00E+00
6390	499592.97	3733593.88	0.000864	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
6391	499582.55	3733581.7	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
6392	499572.12	3733569.53	0.000783	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
6393	499561.7	3733557.35	0.000744	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
6394	499551.27	3733545.18	0.000708	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.30E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
6395	499540.85	3733533.01	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
6396	499615.32	3733616.99	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
6397	499585.67	3733630.18	0.000842	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
6398	499574.93	3733617.64	0.000804	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
6399	499564.19	3733605.1	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
6400	499553.45	3733592.55	0.000729	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
6401	499542.71	3733580.01	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
6402	499531.97	3733567.47	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
6403	499521.22	3733554.93	0.000628	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.16E-03	0.00E+00	0.00E+00	9.46E-05	2.02E-04	0.00E+00	0.00E+00
6404	499597.75	3733641.3	0.000887	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
6405	499568.15	3733654.56	0.000786	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
6406	499557.53	3733642.16	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
6407	499546.91	3733629.75	0.000719	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
6408	499536.28	3733617.35	0.000686	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
6409	499525.66	3733604.94	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
6410	499580.17	3733665.61	0.000825	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
6411	499550.63	3733678.93	0.000735	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.35E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
6412	499540.11	3733666.65	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
6413	499529.59	3733654.36	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
6414	499352.55	3733294.53	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
6415	499562.6	3733689.93	0.00077	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
6416	499527.14	3733711.29	0.000675	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
6417	499354.39	3733469.45	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
6418	499350.59	3733453.56	0.000321	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
6419	499346.79	3733437.66	0.000314	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
6420	499342.99	3733421.77	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
6421	499339.19	3733405.87	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
6422	499335.39	3733389.98	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
6423	499331.59	3733374.08	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
6424	499327.79	3733358.19	0.000278	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
6425	499323.99	3733342.29	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
6426	499320.19	3733326.4	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
6427	499316.39	3733310.5	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
6428	499312.59	3733294.61	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
6429	499539.17	3733722.35	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
6430	499503.66	3733743.65	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.37E-05	2.00E-04	0.00E+00	0.00E+00
6431	499460.76	3733693.55	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
6432	499450.03	3733681.03	0.000512	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.43E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
6433	499439.31	3733668.5	0.000491	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
6434	499353.5	3733568.3	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
6435	499342.78	3733555.78	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
6436	499330.13	3733535.23	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
6437	499326.3	3733519.2	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
6438	499322.47	3733503.16	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
6439	499318.63	3733487.12	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
6440	499314.8	3733471.08	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
6441	499310.96	3733455.04	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
6442	499307.13	3733439.01	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
6443	499303.3	3733422.97	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
6444	499299.46	3733406.93	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
6445	499295.63	3733390.89	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
6446	499291.79	3733374.85	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
6447	499287.96	3733358.82	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.03E-05	0.00E+00	0.00E+00
6448	499284.13	3733342.78	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
6449	499280.29	3733326.74	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
6450	499276.46	3733310.7	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
6451	499272.63	3733294.66	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6452	499515.74	3733754.76	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
6453	499480.34	3733776.2	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
6454	499469.83	3733763.92	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
6455	499459.32	3733751.65	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
6456	499448.81	3733739.38	0.000518	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
6457	499438.3	3733727.1	0.000499	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
6458	499427.79	3733714.83	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
6459	499417.28	3733702.56	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
6460	499354.22	3733628.92	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6461	499343.71	3733616.65	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
6462	499333.2	3733604.37	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
6463	499322.69	3733592.1	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
6464	499312.18	3733579.83	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
6465	499301.67	3733567.56	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.74E-05	0.00E+00	0.00E+00
6466	499294.54	3733553.56	0.000294	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.46E-05	0.00E+00	0.00E+00
6467	499290.78	3733537.85	0.000288	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
6468	499287.02	3733522.13	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
6469	499283.27	3733506.41	0.000276	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
6470	499279.51	3733490.7	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
6471	499275.75	3733474.98	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
6472	499271.99	3733459.27	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.33E-05	0.00E+00	0.00E+00
6473	499268.24	3733443.55	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
6474	499264.48	3733427.84	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
6475	499260.72	3733412.12	0.000243	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.49E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
6476	499256.97	3733396.41	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
6477	499253.21	3733380.69	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
6478	499249.45	3733364.98	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6479	499245.7	3733349.26	0.000224	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
6480	499241.94	3733333.55	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
6481	499238.18	3733317.83	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
6482	499234.43	3733302.11	0.00021	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.75E-05	0.00E+00	0.00E+00
6483	499492.3	3733787.18	0.000599	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
6484	499456.86	3733808.56	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
6485	499446.26	3733796.19	0.000518	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.54E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
6486	499435.66	3733783.81	0.000501	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
6487	499425.07	3733771.43	0.000484	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
6488	499414.47	3733759.05	0.000467	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
6489	499350.87	3733684.79	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
6490	499340.27	3733672.41	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
6491	499329.67	3733660.04	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
6492	499319.07	3733647.66	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00

6493	499308.47	3733635.28	0.000322	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
6494	499297.87	3733622.9	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
6495	499287.28	3733610.53	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
6496	499276.68	3733598.15	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
6497	499266.08	3733585.77	0.000278	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
6498	499258.88	3733571.66	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
6499	499255.09	3733555.81	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.52E-05	0.00E+00	0.00E+00
6500	499251.31	3733539.96	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.92E-05	8.35E-05	0.00E+00	0.00E+00
6501	499247.52	3733524.11	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
6502	499243.73	3733508.26	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
6503	499239.94	3733492.42	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
6504	499236.15	3733476.57	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
6505	499232.36	3733460.72	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
6506	499228.57	3733444.87	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
6507	499224.78	3733429.02	0.000226	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.25E-05	0.00E+00	0.00E+00
6508	499221	3733413.17	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
6509	499217.21	3733397.32	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
6510	499213.42	3733381.47	0.000212	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
6511	499209.63	3733365.63	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
6512	499205.84	3733349.78	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.56E-05	0.00E+00	0.00E+00
6513	499202.05	3733333.93	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.43E-05	0.00E+00	0.00E+00
6514	499198.26	3733318.08	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
6515	499194.47	3733302.23	0.000192	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
6516	499468.87	3733819.6	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
6517	499433.39	3733840.93	0.000499	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
6518	499422.71	3733828.46	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
6519	499412.03	3733815.99	0.000468	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
6520	499337.27	3733728.7	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6521	499326.6	3733716.22	0.000354	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.53E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
6522	499315.92	3733703.75	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
6523	499305.24	3733691.28	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
6524	499294.56	3733678.81	0.000318	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
6525	499283.88	3733666.34	0.000306	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
6526	499273.2	3733653.87	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
6527	499262.52	3733641.4	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
6528	499251.84	3733628.93	0.000275	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.84E-05	0.00E+00	0.00E+00
6529	499241.16	3733616.46	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
6530	499230.48	3733603.99	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
6531	499223.23	3733589.77	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.03E-05	0.00E+00	0.00E+00
6532	499219.41	3733573.8	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
6533	499215.6	3733557.83	0.000241	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
6534	499211.78	3733541.86	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
6535	499207.96	3733525.89	0.000231	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.27E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
6536	499204.14	3733509.92	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6537	499200.33	3733493.95	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
6538	499196.51	3733477.98	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
6539	499192.69	3733462.01	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.22E-05	6.88E-05	0.00E+00	0.00E+00
6540	499188.87	3733446.05	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
6541	499185.06	3733430.08	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
6542	499181.24	3733414.11	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
6543	499177.42	3733398.14	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.37E-05	0.00E+00	0.00E+00
6544	499173.6	3733382.17	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
6545	499169.79	3733366.2	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
6546	499165.97	3733350.23	0.000187	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
6547	499162.15	3733334.26	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
6548	499158.34	3733318.3	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
6549	499154.52	3733302.33	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.68E-05	0.00E+00	0.00E+00
6550	499445.44	3733852.02	0.000516	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.52E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
6551	499409.92	3733873.31	0.000466	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.59E-04	0.00E+00	0.00E+00	7.02E-05	1.50E-04	0.00E+00	0.00E+00
6552	499291.65	3733735.2	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
6553	499280.9	3733722.64	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
6554	499270.14	3733710.08	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
6555	499259.39	3733697.53	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
6556	499248.64	3733684.97	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
6557	499237.89	3733672.42	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
6558	499227.14	3733659.86	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
6559	499216.38	3733647.31	0.000254	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
6560	499205.63	3733634.75	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
6561	499194.88	3733622.19	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
6562	499187.58	3733607.88	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
6563	499183.74	3733591.8	0.000228	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.19E-04	0.00E+00	0.00E+00	3.43E-05	7.31E-05	0.00E+00	0.00E+00
6564	499179.89	3733575.72	0.000223	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
6565	499176.05	3733559.64	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
6566	499172.21	3733543.57	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
6567	499168.36	3733527.49	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
6568	499164.52	3733511.41	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
6569	499160.68	3733495.33	0.000204	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.54E-05	0.00E+00	0.00E+00
6570	499156.83	3733479.26	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
6571	499152.99	3733463.18	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
6572	499149.15	3733447.1	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
6573	499145.3	3733431.02	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
6574	499141.46	3733414.95	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
6575	499137.62	3733398.87	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
6576	499133.77	3733382.79	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.75E-05	0.00E+00	0.00E+00
6577	499129.93	3733366.71	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
6578	499126.09	3733350.64	0.000173	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
6579	499122.24	3733334.56	0.00017	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
6580	499118.4	3733318.48	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
6581	499114.56	3733302.4	0.000164	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
6582	499422.01	3733884.44	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
6583	499249.07	3733745.25	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
6584	499238.49	3733732.9	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
6585	499227.91	3733720.55	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
6586	499217.33	3733708.19	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
6587	499206.75	3733695.84	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
6588	499196.18	3733683.49	0.000247	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
6589	499185.6	3733671.14	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
6590	499175.02	3733658.79	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
6591	499164.44	3733646.43	0.000224	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
6592	499151.98	3733626.17	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
6593	499148.19	3733610.36	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
6594	499144.41	3733594.54	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
6595	499140.63	3733578.72	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
6596	499136.85	3733562.91	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
6597	499133.07	3733547.09	0.000198	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.64E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
6598	499129.29	3733531.27	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.24E-05	0.00E+00	0.00E+00
6599	499125.51	3733515.46	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
6600	499121.73	3733499.64	0.000188	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
6601	499117.95	3733483.82	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
6602	499114.16	3733468.01	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.82E-05	0.00E+00	0.00E+00
6603	499110.38	3733452.19	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
6604	499106.6	3733436.37	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00

6605	499102.82	3733420.56	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
6606	499099.04	3733404.74	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
6607	499095.26	3733388.92	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
6608	499091.48	3733373.1	0.000164	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
6609	499087.7	3733357.29	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
6610	499083.92	3733341.47	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
6611	499080.13	3733325.65	0.000155	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
6612	499076.35	3733309.84	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
6613	499072.57	3733294.02	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
6614	499398.58	3733916.86	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
6615	499363.11	3733938.21	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
6616	499352.46	3733925.77	0.0004	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
6617	499341.82	3733913.34	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
6618	499331.17	3733900.91	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
6619	499320.52	3733888.48	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6620	499192.76	3733739.28	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.79E-05	8.09E-05	0.00E+00	0.00E+00
6621	499182.11	3733726.85	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
6622	499171.46	3733714.41	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
6623	499160.82	3733701.98	0.000229	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.37E-05	0.00E+00	0.00E+00
6624	499150.17	3733689.55	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
6625	499139.52	3733677.11	0.000216	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
6626	499128.88	3733664.68	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
6627	499116.33	3733644.29	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
6628	499112.52	3733628.37	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
6629	499108.71	3733612.45	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
6630	499104.91	3733596.53	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
6631	499101.1	3733580.61	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
6632	499097.3	3733564.69	0.000185	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.94E-05	0.00E+00	0.00E+00
6633	499093.49	3733548.77	0.000182	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
6634	499089.68	3733532.84	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.75E-05	0.00E+00	0.00E+00
6635	499085.88	3733516.92	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
6636	499082.07	3733501	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
6637	499078.27	3733485.08	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
6638	499074.46	3733469.16	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
6639	499070.66	3733453.24	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
6640	499066.85	3733437.32	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
6641	499063.04	3733421.4	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
6642	499059.24	3733405.48	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
6643	499055.43	3733389.56	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
6644	499051.63	3733373.64	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
6645	499047.82	3733357.72	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
6646	499044.02	3733341.8	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
6647	499040.21	3733325.88	0.000145	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
6648	499036.4	3733309.96	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6649	499032.6	3733294.04	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
6650	499339.65	3733970.59	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
6651	499328.94	3733958.08	0.000377	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.95E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
6652	499318.23	3733945.57	0.000367	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6653	499307.52	3733933.07	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
6654	499296.8	3733920.56	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
6655	499286.09	3733908.05	0.000337	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
6656	499275.38	3733895.54	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
6657	499146.86	3733745.46	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6658	499136.14	3733732.95	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
6659	499125.43	3733720.44	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
6660	499114.72	3733707.93	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
6661	499104.01	3733695.43	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
6662	499093.3	3733682.92	0.000196	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.28E-05	0.00E+00	0.00E+00
6663	499080.68	3733662.41	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
6664	499076.85	3733646.39	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
6665	499073.02	3733630.37	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
6666	499069.19	3733614.36	0.000179	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
6667	499065.36	3733598.34	0.000177	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
6668	499061.53	3733582.33	0.000174	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
6669	499057.71	3733566.31	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
6670	499053.88	3733550.3	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
6671	499050.05	3733534.28	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
6672	499046.22	3733518.27	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
6673	499042.39	3733502.25	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
6674	499038.56	3733486.24	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.07E-05	0.00E+00	0.00E+00
6675	499034.73	3733470.22	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
6676	499030.91	3733454.2	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
6677	499027.08	3733438.19	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
6678	499023.25	3733422.17	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
6679	499019.42	3733406.16	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
6680	499015.59	3733390.14	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
6681	499011.76	3733374.13	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
6682	499007.93	3733358.11	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.47E-05	0.00E+00	0.00E+00
6683	499004.11	3733342.1	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
6684	499000.28	3733326.08	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
6685	498996.45	3733310.07	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
6686	498992.62	3733294.05	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
6687	499351.71	3733981.69	0.000398	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
6688	499316.19	3734002.97	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
6689	499305.42	3733990.4	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
6690	499294.65	3733977.82	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
6691	499283.88	3733965.25	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
6692	499273.11	3733952.67	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
6693	499262.34	3733940.09	0.00032	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
6694	499251.57	3733927.52	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
6695	499240.8	3733914.94	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
6696	499230.03	3733902.37	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
6697	499219.26	3733889.79	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
6698	499208.49	3733877.22	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
6699	499197.72	3733864.64	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
6700	499186.95	3733852.06	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
6701	499090.03	3733738.88	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
6702	499079.26	3733726.31	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
6703	499068.49	3733713.73	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
6704	499057.72	3733701.15	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
6705	499045.03	3733680.53	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
6706	499041.18	3733664.42	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
6707	499037.33	3733648.32	0.000171	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
6708	499033.48	3733632.22	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
6709	499029.63	3733616.11	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
6710	499025.78	3733600.01	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
6711	499021.93	3733583.91	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
6712	499018.08	3733567.81	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
6713	499014.23	3733551.7	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
6714	499010.38	3733535.6	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
6715	499006.53	3733519.5	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
6716	499002.68	3733503.39	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00

6717	498998.84	3733487.29	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
6718	498994.99	3733471.19	0.000145	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
6719	498991.14	3733455.08	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6720	498987.29	3733438.98	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
6721	498983.44	3733422.88	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
6722	498979.59	3733406.78	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
6723	498975.74	3733390.67	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
6724	498971.89	3733374.57	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
6725	498968.04	3733358.47	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
6726	498964.19	3733342.36	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
6727	498960.34	3733326.26	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
6728	498956.49	3733310.16	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
6729	498952.64	3733294.05	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
6730	499328.28	3734014.11	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
6731	499295.36	3734032.03	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
6732	499284.79	3734019.68	0.000339	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
6733	499274.21	3734007.33	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
6734	499263.64	3733994.99	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
6735	499253.06	3733982.64	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
6736	499242.49	3733970.29	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
6737	499231.91	3733957.94	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
6738	499221.34	3733945.59	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
6739	499210.77	3733933.24	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.09E-05	0.00E+00	0.00E+00
6740	499200.19	3733920.9	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
6741	499189.62	3733908.55	0.000268	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
6742	499179.04	3733896.2	0.00026	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
6743	499168.47	3733883.85	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
6744	499157.89	3733871.5	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
6745	499147.32	3733859.15	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
6746	499041.57	3733735.67	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
6747	499031	3733723.32	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
6748	499020.42	3733710.97	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
6749	499013.25	3733696.89	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
6750	499009.47	3733681.08	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
6751	499005.69	3733665.27	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
6752	499001.91	3733649.46	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
6753	498998.13	3733633.64	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
6754	498994.35	3733617.83	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
6755	498990.57	3733602.02	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
6756	498986.79	3733586.21	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
6757	498983.01	3733570.4	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
6758	498979.23	3733554.58	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
6759	498975.45	3733538.77	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.64E-05	0.00E+00	0.00E+00
6760	498971.67	3733522.96	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6761	498967.89	3733507.15	0.00014	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
6762	498964.11	3733491.34	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
6763	498960.33	3733475.52	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
6764	498956.55	3733459.71	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
6765	498952.77	3733443.9	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
6766	498948.99	3733428.09	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
6767	498945.21	3733412.28	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
6768	498941.43	3733396.47	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
6769	498937.65	3733380.65	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
6770	498933.87	3733364.84	0.000123	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
6771	498930.09	3733349.03	0.000122	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6772	498926.31	3733333.22	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
6773	498922.53	3733317.41	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
6774	498918.75	3733301.59	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
6775	499307.36	3734043.06	0.000357	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
6776	499274.43	3734060.97	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
6777	499263.85	3734048.61	0.000324	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
6778	499253.26	3734036.25	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
6779	499242.68	3734023.88	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.64E-05	9.91E-05	0.00E+00	0.00E+00
6780	499232.09	3734011.52	0.000301	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
6781	499221.5	3733999.16	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
6782	499210.92	3733986.8	0.000286	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
6783	499200.33	3733974.44	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
6784	499189.75	3733962.07	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
6785	499179.16	3733949.71	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
6786	499168.57	3733937.35	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
6787	499157.99	3733924.99	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
6788	499147.4	3733912.63	0.000244	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
6789	499136.82	3733900.26	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
6790	499126.23	3733887.9	0.00023	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.40E-05	0.00E+00	0.00E+00
6791	499115.64	3733875.54	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
6792	499105.06	3733863.18	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
6793	498999.2	3733739.56	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
6794	498988.61	3733727.2	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
6795	498981.42	3733713.1	0.000159	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
6796	498977.64	3733697.27	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
6797	498973.86	3733681.44	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
6798	498970.07	3733665.62	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
6799	498966.29	3733649.79	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
6800	498962.5	3733633.96	0.000148	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.75E-05	0.00E+00	0.00E+00
6801	498958.72	3733618.13	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
6802	498954.94	3733602.3	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
6803	498951.15	3733586.47	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
6804	498947.37	3733570.64	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
6805	498943.58	3733554.81	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
6806	498939.8	3733538.98	0.000136	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
6807	498936.02	3733523.15	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
6808	498932.23	3733507.32	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
6809	498928.45	3733491.49	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
6810	498924.66	3733475.67	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
6811	498920.88	3733459.84	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
6812	498917.1	3733444.01	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
6813	498913.31	3733428.18	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
6814	498909.53	3733412.35	0.000122	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6815	498905.74	3733396.52	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
6816	498901.96	3733380.69	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
6817	498898.18	3733364.86	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
6818	498894.39	3733349.03	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
6819	498890.61	3733333.2	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
6820	498886.82	3733317.37	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
6821	498883.04	3733301.54	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.55E-05	0.00E+00	0.00E+00
6822	499286.44	3734072	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
6823	499253.51	3734089.91	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
6824	499242.91	3734077.53	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
6825	499232.31	3734065.16	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
6826	499221.72	3734052.78	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
6827	499211.12	3734040.41	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
6828	499200.52	3734028.04	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.03E-05	0.00E+00	0.00E+00

6829	499189.93	3734015.66	0.000274	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
6830	499179.33	3734003.29	0.000268	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.59E-05	0.00E+00	0.00E+00
6831	499168.73	3733990.91	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.37E-05	0.00E+00	0.00E+00
6832	499158.14	3733978.54	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.83E-05	8.16E-05	0.00E+00	0.00E+00
6833	499147.54	3733966.16	0.000248	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
6834	499136.94	3733953.79	0.000241	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
6835	499126.35	3733941.41	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
6836	499115.75	3733929.04	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6837	499105.15	3733916.67	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
6838	499094.56	3733904.29	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
6839	499083.96	3733891.92	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
6840	498956.8	3733743.42	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
6841	498949.6	3733729.31	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
6842	498945.82	3733713.47	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
6843	498942.03	3733697.62	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
6844	498938.24	3733681.78	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
6845	498934.45	3733665.93	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
6846	498930.66	3733650.09	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
6847	498926.88	3733634.24	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
6848	498923.09	3733618.4	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
6849	498919.3	3733602.55	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
6850	498915.51	3733586.71	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
6851	498911.72	3733570.86	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
6852	498907.94	3733555.02	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
6853	498904.15	3733539.17	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
6854	498900.36	3733523.33	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
6855	498896.57	3733507.48	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.00E-05	0.00E+00	0.00E+00
6856	498892.79	3733491.64	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
6857	498889	3733475.79	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
6858	498885.21	3733459.95	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
6859	498881.42	3733444.1	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
6860	498877.63	3733428.25	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.74E-05	0.00E+00	0.00E+00
6861	498873.85	3733412.41	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
6862	498870.06	3733396.56	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
6863	498866.27	3733380.72	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
6864	498862.48	3733364.87	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.55E-05	0.00E+00	0.00E+00
6865	498858.69	3733349.03	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.51E-05	0.00E+00	0.00E+00
6866	498854.91	3733333.18	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
6867	498851.12	3733317.34	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
6868	498847.33	3733301.49	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
6869	499265.52	3734100.95	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
6870	499221.97	3734106.46	0.000295	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
6871	499211.37	3734094.07	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
6872	499200.76	3734081.69	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
6873	499190.15	3734069.3	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
6874	499179.55	3734056.92	0.00027	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
6875	499168.94	3734044.53	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.46E-05	0.00E+00	0.00E+00
6876	499158.33	3734032.14	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
6877	499147.73	3734019.76	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.05E-05	0.00E+00	0.00E+00
6878	499137.12	3734007.37	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
6879	499126.51	3733994.99	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
6880	499115.91	3733982.6	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
6881	499105.3	3733970.21	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
6882	499094.69	3733957.83	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
6883	499084.09	3733945.44	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
6884	499073.48	3733933.06	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
6885	499062.87	3733920.67	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
6886	499052.26	3733908.28	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
6887	499041.66	3733895.9	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
6888	498917.78	3733745.53	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
6889	498913.99	3733729.67	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
6890	498910.2	3733713.81	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
6891	498906.41	3733697.95	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
6892	498902.62	3733682.09	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
6893	498898.83	3733666.23	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
6894	498895.03	3733650.36	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
6895	498891.24	3733634.5	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
6896	498887.45	3733618.64	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
6897	498883.66	3733602.78	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
6898	498879.87	3733586.92	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
6899	498876.08	3733571.06	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
6900	498872.29	3733555.2	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
6901	498868.49	3733539.34	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
6902	498864.7	3733523.48	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
6903	498860.91	3733507.62	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
6904	498857.12	3733491.76	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
6905	498853.33	3733475.9	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
6906	498849.54	3733460.04	0.000113	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
6907	498845.75	3733444.18	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
6908	498841.95	3733428.32	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
6909	498838.16	3733412.46	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
6910	498834.37	3733396.6	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
6911	498830.58	3733380.74	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
6912	498826.79	3733364.88	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
6913	498823	3733349.02	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
6914	498819.21	3733333.16	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
6915	498815.41	3733317.3	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
6916	498811.62	3733301.44	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
6917	499179.81	3734110.6	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
6918	499169.19	3734098.2	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
6919	499158.57	3734085.8	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
6920	499147.96	3734073.4	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
6921	499137.34	3734061.01	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
6922	499126.73	3734048.61	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
6923	499116.11	3734036.21	0.000236	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
6924	499105.49	3734023.82	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
6925	499094.88	3734011.42	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
6926	499084.26	3733999.02	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
6927	499073.64	3733986.62	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
6928	499063.03	3733974.23	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
6929	499052.41	3733961.83	0.000203	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
6930	499041.8	3733949.43	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
6931	499031.18	3733937.04	0.000192	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
6932	499020.56	3733924.64	0.000188	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
6933	499009.95	3733912.24	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
6934	498999.33	3733899.84	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.68E-05	5.73E-05	0.00E+00	0.00E+00
6935	498882.17	3733745.86	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
6936	498878.37	3733729.99	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
6937	498874.58	3733714.12	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
6938	498870.78	3733698.24	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
6939	498866.99	3733682.37	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
6940	498863.19	3733666.49	0.000127	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.06E-05	0.00E+00	0.00E+00

6941	498859.4	3733650.62	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
6942	498855.6	3733634.74	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
6943	498851.81	3733618.87	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6944	498848.01	3733603	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
6945	498844.22	3733587.12	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
6946	498840.42	3733571.25	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
6947	498836.63	3733555.37	0.000116	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
6948	498832.84	3733539.5	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
6949	498829.04	3733523.62	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
6950	498825.25	3733507.75	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
6951	498821.45	3733491.88	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
6952	498817.66	3733476	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
6953	498813.86	3733460.13	0.000108	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
6954	498810.07	3733444.25	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
6955	498806.27	3733428.38	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
6956	498802.48	3733412.51	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
6957	498798.68	3733396.63	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
6958	498794.89	3733380.76	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
6959	498791.09	3733364.88	9.99E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
6960	498787.3	3733349.01	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
6961	498783.5	3733333.13	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
6962	498779.71	3733317.26	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
6963	498775.91	3733301.39	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
6964	499190.73	3734176.73	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
6965	499180.1	3734164.32	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
6966	499126.98	3734102.28	0.000243	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.49E-04	0.00E+00	0.00E+00	3.66E-05	7.82E-05	0.00E+00	0.00E+00
6967	499116.35	3734089.87	0.000238	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
6968	499105.73	3734077.47	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
6969	499095.1	3734065.06	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6970	499084.48	3734052.65	0.000222	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.12E-05	0.00E+00	0.00E+00
6971	499073.85	3734040.25	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
6972	499063.23	3734027.84	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
6973	499052.6	3734015.43	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
6974	499041.98	3734003.02	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
6975	499031.35	3733990.62	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
6976	499020.73	3733978.21	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
6977	499010.1	3733965.8	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
6978	498999.48	3733953.39	0.000182	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
6979	498988.85	3733940.99	0.000178	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
6980	498978.23	3733928.58	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
6981	498967.6	3733916.17	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
6982	498956.98	3733903.76	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
6983	498846.55	3733746.18	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
6984	498842.75	3733730.29	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
6985	498838.95	3733714.4	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
6986	498835.15	3733698.51	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
6987	498831.35	3733682.63	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
6988	498827.56	3733666.74	0.00012	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
6989	498823.76	3733650.85	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
6990	498819.96	3733634.96	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
6991	498816.16	3733619.08	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
6992	498812.36	3733603.19	0.000114	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.66E-05	0.00E+00	0.00E+00
6993	498808.57	3733587.3	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
6994	498804.77	3733571.42	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
6995	498800.97	3733555.53	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
6996	498797.17	3733539.64	0.000108	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
6997	498793.37	3733523.75	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
6998	498789.58	3733507.87	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
6999	498785.78	3733491.98	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
7000	498781.98	3733476.09	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
7001	498778.18	3733460.2	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
7002	498774.39	3733444.32	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
7003	498770.59	3733428.43	9.97E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
7004	498766.79	3733412.54	9.86E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.17E-05	0.00E+00	0.00E+00
7005	498762.99	3733396.65	9.74E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
7006	498759.19	3733380.77	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
7007	498755.4	3733364.88	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
7008	498751.6	3733348.99	9.4E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
7009	498747.8	3733333.1	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
7010	498744	3733317.22	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7011	498740.2	3733301.33	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
7012	499202.75	3734187.78	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
7013	499169.8	3734205.67	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.52E-05	0.00E+00	0.00E+00
7014	499159.17	3734193.25	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.92E-05	8.35E-05	0.00E+00	0.00E+00
7015	499148.54	3734180.83	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
7016	499137.9	3734168.42	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
7017	499127.27	3734156	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
7018	499063.47	3734081.5	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
7019	499052.84	3734069.08	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
7020	499042.2	3734056.66	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.56E-05	0.00E+00	0.00E+00
7021	499031.57	3734044.25	0.000199	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
7022	499020.94	3734031.83	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
7023	499010.3	3734019.41	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
7024	498999.67	3734006.99	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
7025	498989.04	3733994.58	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
7026	498978.4	3733982.16	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
7027	498967.77	3733969.74	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
7028	498957.14	3733957.33	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
7029	498946.5	3733944.91	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
7030	498935.87	3733932.49	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
7031	498810.92	3733746.47	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
7032	498807.12	3733730.57	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
7033	498803.32	3733714.67	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
7034	498799.52	3733698.77	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
7035	498795.72	3733682.87	0.000115	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
7036	498791.91	3733666.97	0.000113	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.64E-05	0.00E+00	0.00E+00
7037	498788.11	3733651.07	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
7038	498784.31	3733635.17	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
7039	498780.51	3733619.27	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
7040	498776.71	3733603.37	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
7041	498772.91	3733587.47	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
7042	498769.11	3733571.57	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7043	498765.31	3733555.67	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
7044	498761.51	3733539.77	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
7045	498757.71	3733523.87	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
7046	498753.91	3733507.97	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
7047	498750.1	3733492.07	9.95E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.19E-05	0.00E+00	0.00E+00
7048	498746.3	3733476.17	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
7049	498742.5	3733460.27	9.72E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
7050	498738.7	3733444.37	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
7051	498734.9	3733428.47	9.5E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
7052	498731.1	3733412.57	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00

7053	498727.3	3733396.67	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
7054	498723.5	3733380.77	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7055	498719.7	3733364.87	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
7056	498715.9	3733348.97	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
7057	498712.1	3733333.07	8.87E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
7058	498708.29	3733317.17	8.76E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
7059	498704.49	3733301.27	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
7060	499181.83	3734216.72	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
7061	499599.9	3733540.36	0.000877	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
7062	499569.9	3733540.08	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
7063	499322.23	3733284.6	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
7064	499322.14	3733294.34	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
7065	499321.43	3733372.24	0.000276	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
7066	499321.34	3733381.98	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
7067	499321.25	3733391.72	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
7068	499321.16	3733401.46	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.26E-05	9.09E-05	0.00E+00	0.00E+00
7069	499321.07	3733411.2	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
7070	499320.98	3733420.94	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
7071	499320.89	3733430.67	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
7072	499320.8	3733440.41	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
7073	499320.72	3733450.15	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.42E-05	9.44E-05	0.00E+00	0.00E+00
7074	499320.63	3733459.89	0.000296	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.51E-05	0.00E+00	0.00E+00
7075	499320	3733528.05	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
7076	499319.91	3733537.79	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
7077	499282.23	3733284.24	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
7078	499282.15	3733293.97	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
7079	499281.43	3733371.88	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
7080	499281.34	3733381.62	0.00025	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
7081	499281.25	3733391.35	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
7082	499281.16	3733401.09	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.83E-05	8.16E-05	0.00E+00	0.00E+00
7083	499281.07	3733410.83	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
7084	499280.99	3733420.57	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
7085	499280.9	3733430.31	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
7086	499280.81	3733440.04	0.000262	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.82E-04	0.00E+00	0.00E+00	3.94E-05	8.40E-05	0.00E+00	0.00E+00
7087	499280.72	3733449.78	0.000263	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
7088	499279.91	3733537.43	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
7089	499242.24	3733283.87	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
7090	499242.15	3733293.61	0.000213	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
7091	499241.43	3733371.51	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
7092	499241.34	3733381.25	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
7093	499241.25	3733390.99	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
7094	499241.17	3733400.73	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
7095	499241.08	3733410.46	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
7096	499240.99	3733420.2	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
7097	499240.9	3733429.94	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
7098	499240.81	3733439.68	0.000236	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
7099	499240.72	3733449.42	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
7100	499240.09	3733517.58	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
7101	499239.92	3733537.06	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
7102	499202.24	3733283.5	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
7103	499202.15	3733293.24	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
7104	499201.52	3733361.41	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
7105	499201.43	3733371.15	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
7106	499201.35	3733380.88	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
7107	499201.26	3733390.62	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
7108	499201.17	3733400.36	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
7109	499201.08	3733410.1	0.000211	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
7110	499200.99	3733419.84	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
7111	499200.9	3733429.57	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.86E-05	0.00E+00	0.00E+00
7112	499200.81	3733439.31	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
7113	499200.72	3733449.05	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.94E-05	0.00E+00	0.00E+00
7114	499200.54	3733468.53	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
7115	499199.92	3733536.69	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
7116	499162.24	3733283.14	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
7117	499162.15	3733292.87	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
7118	499161.53	3733361.04	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
7119	499161.44	3733370.78	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
7120	499161.35	3733380.52	0.000189	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
7121	499161.26	3733390.25	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
7122	499161.17	3733399.99	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.15E-05	0.00E+00	0.00E+00
7123	499161.08	3733409.73	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
7124	499160.99	3733419.47	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
7125	499160.9	3733429.21	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
7126	499160.81	3733438.95	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
7127	499160.72	3733448.68	0.000198	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.35E-05	0.00E+00	0.00E+00
7128	499160.54	3733468.16	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
7129	499159.92	3733536.33	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
7130	499122.24	3733282.77	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
7131	499122.15	3733292.51	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
7132	499121.53	3733360.67	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
7133	499121.44	3733370.41	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
7134	499121.35	3733380.15	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
7135	499121.26	3733389.89	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
7136	499121.17	3733399.63	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
7137	499121.08	3733409.36	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
7138	499120.99	3733419.1	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
7139	499120.9	3733428.84	0.000179	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
7140	499120.81	3733438.58	0.00018	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
7141	499120.72	3733448.32	0.000181	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
7142	499120.63	3733458.05	0.000183	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
7143	499120.01	3733526.22	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
7144	499119.92	3733535.96	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
7145	499082.24	3733282.4	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
7146	499082.15	3733292.14	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
7147	499082.06	3733301.88	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
7148	499081.62	3733350.57	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
7149	499081.44	3733370.05	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
7150	499081.35	3733379.78	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
7151	499081.26	3733389.52	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
7152	499081.17	3733399.26	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
7153	499081.08	3733409	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
7154	499080.99	3733418.74	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
7155	499080.9	3733428.47	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
7156	499080.82	3733438.21	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
7157	499080.73	3733447.95	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
7158	499080.64	3733457.69	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.41E-05	0.00E+00	0.00E+00
7159	499080.01	3733525.86	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
7160	499079.92	3733535.59	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
7161	499042.24	3733282.04	0.000141	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
7162	499042.16	3733291.77	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
7163	499042.07	3733301.51	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
7164	499041.44	3733369.68	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00

7165	499041.35	3733379.42	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
7166	499041.26	3733389.16	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
7167	499041.17	3733398.89	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
7168	499041.08	3733408.63	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
7169	499041	3733418.37	0.000153	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
7170	499040.91	3733428.11	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
7171	499040.82	3733437.85	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
7172	499040.73	3733447.58	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
7173	499040.64	3733457.32	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
7174	499040.01	3733525.49	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
7175	499039.92	3733535.23	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
7176	499002.25	3733281.67	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
7177	499002.16	3733291.41	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
7178	499002.07	3733301.15	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
7179	499001.44	3733369.31	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
7180	499001.35	3733379.05	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
7181	499001.26	3733388.79	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
7182	499001.18	3733398.53	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
7183	499001.09	3733408.27	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
7184	499001	3733418	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
7185	499000.91	3733427.74	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
7186	499000.82	3733437.48	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
7187	499000.73	3733447.22	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
7188	499000.64	3733456.96	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
7189	498999.93	3733534.86	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
7190	498962.25	3733281.3	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
7191	498962.16	3733291.04	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
7192	498962.07	3733300.78	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
7193	498961.44	3733368.95	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
7194	498961.36	3733378.68	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
7195	498961.27	3733388.42	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
7196	498961.18	3733398.16	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
7197	498961.09	3733407.9	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
7198	498961	3733417.64	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
7199	498960.91	3733427.37	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
7200	498960.82	3733437.11	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
7201	498960.11	3733515.02	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
7202	498960.02	3733524.76	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
7203	498959.93	3733534.49	0.00014	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
7204	498926.53	3733280.98	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
7205	498926.45	3733290.71	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
7206	498925.82	3733358.88	0.000122	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
7207	498925.64	3733378.36	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
7208	498925.55	3733388.1	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
7209	498925.46	3733397.83	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.98E-05	0.00E+00	0.00E+00
7210	498925.37	3733407.57	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
7211	498925.29	3733417.31	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
7212	498925.2	3733427.05	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
7213	498925.11	3733436.79	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
7214	498924.39	3733514.69	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
7215	498924.3	3733524.43	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
7216	498924.21	3733534.17	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
7217	498890.82	3733280.65	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
7218	498890.73	3733290.39	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
7219	498890.11	3733358.55	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
7220	498889.93	3733378.03	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
7221	498889.84	3733387.77	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
7222	498889.75	3733397.51	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
7223	498889.66	3733407.24	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
7224	498889.57	3733416.98	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
7225	498889.48	3733426.72	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
7226	498889.39	3733436.46	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.79E-05	3.83E-05	0.00E+00	0.00E+00
7227	498888.68	3733514.36	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
7228	498888.59	3733524.1	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
7229	498888.5	3733533.84	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
7230	498855.11	3733280.32	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
7231	498855.02	3733290.06	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7232	498854.4	3733358.23	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
7233	498854.22	3733377.7	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.53E-05	0.00E+00	0.00E+00
7234	498854.13	3733387.44	0.00011	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
7235	498854.04	3733397.18	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
7236	498853.95	3733406.92	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
7237	498853.86	3733416.65	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
7238	498853.77	3733426.39	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
7239	498853.68	3733436.13	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
7240	498852.97	3733514.04	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
7241	498852.88	3733523.77	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
7242	498852.79	3733533.51	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
7243	498819.4	3733279.99	9.99E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
7244	498819.31	3733289.73	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
7245	498818.68	3733357.9	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
7246	498818.5	3733377.38	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
7247	498818.42	3733387.11	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
7248	498818.33	3733396.85	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
7249	498818.24	3733406.59	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7250	498818.15	3733416.33	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
7251	498818.06	3733426.07	0.000107	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
7252	498817.97	3733435.8	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
7253	498817.26	3733513.71	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
7254	498817.17	3733523.45	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
7255	498817.08	3733533.18	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
7256	498783.68	3733279.67	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
7257	498783.59	3733289.41	9.56E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
7258	498783.42	3733308.88	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
7259	498782.97	3733357.57	9.85E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
7260	498782.79	3733377.05	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
7261	498782.7	3733386.79	9.97E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
7262	498782.61	3733396.52	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
7263	498782.52	3733406.26	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
7264	498782.43	3733416	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
7265	498782.35	3733425.74	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.25E-05	0.00E+00	0.00E+00
7266	498782.26	3733435.48	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
7267	498781.54	3733513.38	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
7268	498781.45	3733523.12	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
7269	498781.36	3733532.86	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7270	498747.97	3733279.34	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
7271	498747.88	3733289.08	9.11E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
7272	498747.7	3733308.55	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7273	498747.26	3733357.24	9.38E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
7274	498747.08	3733376.72	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
7275	498746.99	3733386.46	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
7276	498746.9	3733396.2	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00

7277	498746.81	3733405.94	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
7278	498746.72	3733415.67	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
7279	498746.63	3733425.41	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
7280	498746.54	3733435.15	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
7281	498745.92	3733503.32	9.94E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.19E-05	0.00E+00	0.00E+00
7282	498745.83	3733513.05	9.97E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
7283	498745.74	3733522.79	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
7284	498745.65	3733532.53	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
7285	498712.26	3733279.01	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
7286	498712.17	3733288.75	8.7E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
7287	498711.99	3733308.23	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
7288	498711.54	3733356.92	8.95E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
7289	498711.37	3733376.39	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
7290	498711.28	3733386.13	9.05E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
7291	498711.19	3733395.87	9.09E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
7292	498711.1	3733405.61	9.12E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
7293	498711.01	3733415.35	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
7294	498710.92	3733425.08	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7295	498710.83	3733434.82	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
7296	498710.74	3733444.56	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
7297	498710.65	3733454.3	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
7298	498710.56	3733464.04	9.33E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	3.00E-05	0.00E+00	0.00E+00
7299	498710.47	3733473.77	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
7300	498710.38	3733483.51	9.4E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
7301	498710.3	3733493.25	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
7302	498710.21	3733502.99	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
7303	498710.12	3733512.73	9.5E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
7304	498710.03	3733522.46	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.06E-05	0.00E+00	0.00E+00
7305	498709.94	3733532.2	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
7306	499850.38	3733768.95	0.001926	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
7307	499841.32	3733765.15	0.001909	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.87E-04	6.13E-04	0.00E+00	0.00E+00
7308	499832.25	3733761.36	0.001888	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.48E-03	0.00E+00	0.00E+00	2.84E-04	6.06E-04	0.00E+00	0.00E+00
7309	499859.44	3733772.74	0.001939	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.57E-03	0.00E+00	0.00E+00	2.92E-04	6.23E-04	0.00E+00	0.00E+00
7310	499869.26	3733772.76	0.001976	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.64E-03	0.00E+00	0.00E+00	2.97E-04	6.34E-04	0.00E+00	0.00E+00
7311	499879.08	3733772.78	0.00201	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.70E-03	0.00E+00	0.00E+00	3.03E-04	6.45E-04	0.00E+00	0.00E+00
7312	499888.91	3733772.8	0.002041	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	3.76E-03	0.00E+00	0.00E+00	3.07E-04	6.55E-04	0.00E+00	0.00E+00
7313	499898.73	3733772.82	0.002069	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.12E-04	6.65E-04	0.00E+00	0.00E+00
7314	499908.56	3733772.84	0.002095	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.86E-03	0.00E+00	0.00E+00	3.15E-04	6.73E-04	0.00E+00	0.00E+00
7315	499918.38	3733772.86	0.002117	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	3.90E-03	0.00E+00	0.00E+00	3.19E-04	6.80E-04	0.00E+00	0.00E+00
7316	499928.21	3733772.88	0.002136	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.94E-03	0.00E+00	0.00E+00	3.22E-04	6.86E-04	0.00E+00	0.00E+00
7317	499938.03	3733772.89	0.002151	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	3.96E-03	0.00E+00	0.00E+00	3.24E-04	6.91E-04	0.00E+00	0.00E+00
7318	499947.86	3733772.91	0.002163	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	3.99E-03	0.00E+00	0.00E+00	3.26E-04	6.95E-04	0.00E+00	0.00E+00
7319	499957.68	3733772.93	0.002171	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
7320	499967.5	3733772.95	0.002175	4.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.01E-03	0.00E+00	0.00E+00	3.27E-04	6.98E-04	0.00E+00	0.00E+00
7321	499977.33	3733772.97	0.002176	4.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	4.01E-03	0.00E+00	0.00E+00	3.28E-04	6.99E-04	0.00E+00	0.00E+00
7322	499987.15	3733772.99	0.002173	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.98E-04	0.00E+00	0.00E+00
7323	499996.98	3733773.01	0.002166	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	3.99E-03	0.00E+00	0.00E+00	3.26E-04	6.96E-04	0.00E+00	0.00E+00
7324	500006.8	3733773.03	0.002155	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	3.97E-03	0.00E+00	0.00E+00	3.25E-04	6.92E-04	0.00E+00	0.00E+00
7325	500016.63	3733773.05	0.002141	3.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.95E-03	0.00E+00	0.00E+00	3.22E-04	6.88E-04	0.00E+00	0.00E+00
7326	500026.45	3733773.07	0.002124	3.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	3.91E-03	0.00E+00	0.00E+00	3.20E-04	6.82E-04	0.00E+00	0.00E+00
7327	500036.27	3733773.09	0.002103	3.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	3.88E-03	0.00E+00	0.00E+00	3.17E-04	6.75E-04	0.00E+00	0.00E+00
7328	500046.1	3733773.11	0.002079	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	3.83E-03	0.00E+00	0.00E+00	3.13E-04	6.67E-04	0.00E+00	0.00E+00
7329	500055.92	3733773.13	0.002051	3.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	3.78E-03	0.00E+00	0.00E+00	3.09E-04	6.59E-04	0.00E+00	0.00E+00
7330	500065.75	3733773.15	0.00202	3.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.72E-03	0.00E+00	0.00E+00	3.04E-04	6.49E-04	0.00E+00	0.00E+00
7331	500075.57	3733773.17	0.001987	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	3.66E-03	0.00E+00	0.00E+00	2.99E-04	6.38E-04	0.00E+00	0.00E+00
7332	500085.4	3733773.19	0.001951	3.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.60E-03	0.00E+00	0.00E+00	2.94E-04	6.26E-04	0.00E+00	0.00E+00
7333	500095.22	3733773.21	0.001912	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.88E-04	6.14E-04	0.00E+00	0.00E+00
7334	500105.05	3733773.22	0.001871	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.01E-04	0.00E+00	0.00E+00
7335	500114.87	3733773.24	0.001828	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.37E-03	0.00E+00	0.00E+00	2.75E-04	5.87E-04	0.00E+00	0.00E+00
7336	500124.69	3733773.26	0.001783	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.29E-03	0.00E+00	0.00E+00	2.68E-04	5.73E-04	0.00E+00	0.00E+00
7337	500134.52	3733773.28	0.001737	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.61E-04	5.58E-04	0.00E+00	0.00E+00
7338	500144.34	3733773.3	0.001689	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.42E-04	0.00E+00	0.00E+00
7339	500154.17	3733773.32	0.00164	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.02E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
7340	500163.99	3733773.34	0.001591	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.40E-04	5.11E-04	0.00E+00	0.00E+00
7341	500173.82	3733773.36	0.001542	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
7342	500183.64	3733773.38	0.001492	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.79E-04	0.00E+00	0.00E+00
7343	499850.6	3733799.06	0.001762	3.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.25E-03	0.00E+00	0.00E+00	2.65E-04	5.66E-04	0.00E+00	0.00E+00
7344	499841.82	3733795.39	0.00175	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.62E-04	0.00E+00	0.00E+00
7345	499833.04	3733791.71	0.001736	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.61E-04	5.58E-04	0.00E+00	0.00E+00
7346	499824.26	3733788.04	0.00172	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
7347	499815.48	3733784.36	0.001701	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.56E-04	5.46E-04	0.00E+00	0.00E+00
7348	499806.7	3733780.69	0.001679	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.09E-03	0.00E+00	0.00E+00	2.53E-04	5.39E-04	0.00E+00	0.00E+00
7349	499797.92	3733777.01	0.001655	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
7350	499789.15	3733773.34	0.001629	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
7351	499780.37	3733769.66	0.001601	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
7352	499771.59	3733765.99	0.001571	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
7353	499762.81	3733762.31	0.001539	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.94E-04	0.00E+00	0.00E+00
7354	499754.03	3733758.64	0.001506	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.84E-04	0.00E+00	0.00E+00
7355	499745.25	3733754.96	0.001472	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
7356	499635.67	3733628.55	0.001048	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
7357	499632.1	3733619.73	0.001032	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.32E-04	0.00E+00	0.00E+00
7358	499628.52	3733610.91	0.001016	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
7359	499624.94	3733602.09	0.000999	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.21E-04	0.00E+00	0.00E+00
7360	499621.36	3733593.27	0.000982	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
7361	499859.38	3733802.74	0.00177	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.26E-03	0.00E+00	0.00E+00	2.67E-04	5.69E-04	0.00E+00	0.00E+00
7362	499869.2	3733802.76	0.001799	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
7363	499879.03	3733802.78	0.001825	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.36E-03	0.00E+00	0.00E+00	2.75E-04	5.86E-04	0.00E+00	0.00E+00
7364	499888.85	3733802.8	0.00185	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.41E-03	0.00E+00	0.00E+00	2.78E-04	5.94E-04	0.00E+00	0.00E+00
7365	499898.67	3733802.82	0.001871	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.01E-04	0.00E+00	0.00E+00
7366	499908.5	3733802.84	0.001891	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.48E-03	0.00E+00	0.00E+00	2.85E-04	6.07E-04	0.00E+00	0.00E+00
7367	499918.32	3733802.86	0.001907	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
7368	499928.15	3733802.88	0.001921	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.54E-03	0.00E+00	0.00E+00	2.89E-04	6.17E-04	0.00E+00	0.00E+00
7369	499937.97	3733802.89	0.001932	3.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	3.56E-03	0.00E+00	0.00E+00	2.91E-04	6.20E-04	0.00E+00	0.00E+00
7370	499947.8	3733802.91	0.00194	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.58E-03	0.00E+00	0.00E+00	2.92E-04	6.23E-04	0.00E+00	0.00E+00
7371	499957.62	3733802.93	0.001945	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.58E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
7372	499967.44	3733802.95	0.001947	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
7373	499977.27	3733802.97	0.001946	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
7374	499987.09	3733802.99	0.001942	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.58E-03	0.00E+00	0.00E+00	2.92E-04	6.24E-04	0.00E+00	0.00E+00
7375	499996.92	3733803.01	0.001935	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	3.57E-03	0.00E+00	0.00E+00	2.91E-04	6.21E-04	0.00E+00	0.00E+00
7376	500006.74	3733803.03	0.001925	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
7377	500016.57	3733803.05	0.001912	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.88E-04	6.14E-04	0.00E+00	0.00E+00
7378	500026.39	3733803.07	0.001896	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.09E-04	0.00E+00	0.00E+00
7379	500036.22	3733803.09	0.001878	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.46E-03	0.00E+00	0.00E+00	2.83E-04	6.03E-04	0.00E+00	0.00E+00
7380	500046.04	3733803.11	0.001856	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.42E-03	0.00E+00	0.00E+00	2.80E-04	5.96E-04	0.00E+00	0.00E+00
7381	500055.86	3733803.13	0.001833	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.38E-03	0.00E+00	0.00E+00	2.76E-04	5.89E-04	0.00E+00	0.00E+00
7382	500065.69	3733803.15	0.001807	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.80E-04	0.00E+00	0.00E+00
7383	500075.51	3733803.17	0.001778	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.28E-03	0.00E+00	0.00E+00	2.68E-04	5.71E-04	0.00E+00	0.00E+00
7384	500085.34	3733803.19	0.001747	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
7385	500095.16	3733803.21	0.001715	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.51E-04	0.00E+00	0.00E+00
7386	500104.99	3733803.22	0.001681	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.10E-03	0.00E+00	0.00E+00	2.53E-04	5.40E-04	0.00E+00	0.00E+00
7387	500114.81	3733803.24	0.001645	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.48E-04	5.28E-04	0.00E+00	0.00E+00
7388	500124.64	3733803.26	0.001607	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.96E-03	0.00E+00	0.00E+00	2.42E-04	5.16E-04	0.00E+00	0.00E+00

7389	500134.46	3733803.28	0.001569	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
7390	500144.28	3733803.3	0.001529	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.91E-04	0.00E+00	0.00E+00
7391	500154.11	3733803.32	0.001489	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.78E-04	0.00E+00	0.00E+00
7392	500163.93	3733803.34	0.001448	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7393	500173.76	3733803.36	0.001407	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.59E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
7394	500183.58	3733803.38	0.001366	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
7395	499850.38	3733829	0.001618	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
7396	499841.44	3733825.25	0.00161	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.97E-03	0.00E+00	0.00E+00	2.42E-04	5.17E-04	0.00E+00	0.00E+00
7397	499832.5	3733821.51	0.0016	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
7398	499823.56	3733817.77	0.001588	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
7399	499814.62	3733814.03	0.001573	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.90E-03	0.00E+00	0.00E+00	2.37E-04	5.05E-04	0.00E+00	0.00E+00
7400	499805.68	3733810.28	0.001556	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.34E-04	5.00E-04	0.00E+00	0.00E+00
7401	499796.73	3733806.54	0.001537	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.83E-03	0.00E+00	0.00E+00	2.31E-04	4.94E-04	0.00E+00	0.00E+00
7402	499787.79	3733802.8	0.001516	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.87E-04	0.00E+00	0.00E+00
7403	499778.85	3733799.05	0.001494	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
7404	499769.91	3733795.31	0.001469	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.21E-04	4.72E-04	0.00E+00	0.00E+00
7405	499760.97	3733791.57	0.001443	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
7406	499752.03	3733787.83	0.001415	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
7407	499743.09	3733784.08	0.001387	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
7408	499734.15	3733780.34	0.001357	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
7409	499725.21	3733776.6	0.001326	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.44E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
7410	499716.27	3733772.86	0.001294	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
7411	499707.33	3733769.11	0.001262	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
7412	499698.39	3733765.37	0.001229	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7413	499689.45	3733761.63	0.001197	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
7414	499680.51	3733757.88	0.001164	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
7415	499635.48	3733701.75	0.001023	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7416	499631.83	3733692.77	0.001012	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
7417	499628.19	3733683.79	0.001001	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
7418	499624.55	3733674.8	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7419	499620.9	3733665.82	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7420	499617.26	3733656.84	0.000962	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
7421	499613.62	3733647.86	0.000949	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7422	499609.97	3733638.88	0.000935	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
7423	499606.33	3733629.9	0.00092	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
7424	499602.69	3733620.92	0.000905	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7425	499580.83	3733567.03	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
7426	499577.19	3733558.05	0.000797	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
7427	499573.55	3733549.06	0.000781	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
7428	499859.32	3733832.74	0.001623	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.21E-04	0.00E+00	0.00E+00
7429	499869.14	3733832.76	0.001646	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.03E-03	0.00E+00	0.00E+00	2.48E-04	5.29E-04	0.00E+00	0.00E+00
7430	499878.97	3733832.78	0.001667	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.35E-04	0.00E+00	0.00E+00
7431	499888.79	3733832.8	0.001685	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.41E-04	0.00E+00	0.00E+00
7432	499898.61	3733832.82	0.001702	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.14E-03	0.00E+00	0.00E+00	2.56E-04	5.47E-04	0.00E+00	0.00E+00
7433	499908.44	3733832.84	0.001717	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.51E-04	0.00E+00	0.00E+00
7434	499918.26	3733832.86	0.001729	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.19E-03	0.00E+00	0.00E+00	2.60E-04	5.55E-04	0.00E+00	0.00E+00
7435	499928.09	3733832.88	0.001739	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
7436	499937.91	3733832.89	0.001747	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
7437	499947.74	3733832.91	0.001752	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.63E-04	0.00E+00	0.00E+00
7438	499957.56	3733832.93	0.001755	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.64E-04	0.00E+00	0.00E+00
7439	499967.39	3733832.95	0.001755	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.64E-04	5.64E-04	0.00E+00	0.00E+00
7440	499977.21	3733832.97	0.001753	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.63E-04	0.00E+00	0.00E+00
7441	499987.03	3733832.99	0.001748	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
7442	499996.86	3733833.01	0.001741	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.62E-04	5.59E-04	0.00E+00	0.00E+00
7443	500006.68	3733833.03	0.001732	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.19E-03	0.00E+00	0.00E+00	2.61E-04	5.56E-04	0.00E+00	0.00E+00
7444	500016.51	3733833.05	0.00172	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
7445	500026.33	3733833.07	0.001706	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.14E-03	0.00E+00	0.00E+00	2.57E-04	5.48E-04	0.00E+00	0.00E+00
7446	500036.16	3733833.09	0.00169	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.43E-04	0.00E+00	0.00E+00
7447	500045.98	3733833.11	0.001671	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.08E-03	0.00E+00	0.00E+00	2.52E-04	5.37E-04	0.00E+00	0.00E+00
7448	500055.81	3733833.13	0.001651	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.04E-03	0.00E+00	0.00E+00	2.49E-04	5.30E-04	0.00E+00	0.00E+00
7449	500065.63	3733833.15	0.001628	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
7450	500075.45	3733833.17	0.001603	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.96E-03	0.00E+00	0.00E+00	2.41E-04	5.15E-04	0.00E+00	0.00E+00
7451	500085.28	3733833.19	0.001577	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.07E-04	0.00E+00	0.00E+00
7452	500095.1	3733833.21	0.00155	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
7453	500104.93	3733833.22	0.001521	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
7454	500114.75	3733833.24	0.001491	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.24E-04	4.79E-04	0.00E+00	0.00E+00
7455	500124.58	3733833.26	0.001459	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.69E-04	0.00E+00	0.00E+00
7456	500134.4	3733833.28	0.001427	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.58E-04	0.00E+00	0.00E+00
7457	500144.22	3733833.3	0.001394	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
7458	500154.05	3733833.32	0.00136	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.37E-04	0.00E+00	0.00E+00
7459	500163.87	3733833.34	0.001326	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.44E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
7460	500173.7	3733833.36	0.001291	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.15E-04	0.00E+00	0.00E+00
7461	500183.52	3733833.38	0.001256	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
7462	499850.53	3733859.09	0.001492	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.79E-04	0.00E+00	0.00E+00
7463	499841.8	3733855.43	0.001487	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.77E-04	0.00E+00	0.00E+00
7464	499833.08	3733851.78	0.00148	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.75E-04	0.00E+00	0.00E+00
7465	499824.35	3733848.13	0.001472	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
7466	499815.62	3733844.47	0.001462	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.69E-04	0.00E+00	0.00E+00
7467	499806.9	3733840.82	0.001449	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7468	499798.17	3733837.17	0.001436	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.16E-04	4.61E-04	0.00E+00	0.00E+00
7469	499789.44	3733833.51	0.00142	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
7470	499780.72	3733829.86	0.001403	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.59E-03	0.00E+00	0.00E+00	2.11E-04	4.51E-04	0.00E+00	0.00E+00
7471	499771.99	3733826.21	0.001384	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.45E-04	0.00E+00	0.00E+00
7472	499763.26	3733822.55	0.001364	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
7473	499754.54	3733818.9	0.001343	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.48E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
7474	499745.81	3733815.24	0.00132	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
7475	499737.08	3733811.59	0.001296	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
7476	499728.35	3733807.94	0.001272	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
7477	499719.63	3733804.28	0.001246	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00
7478	499710.9	3733800.63	0.00122	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7479	499702.17	3733796.98	0.001193	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.83E-04	0.00E+00	0.00E+00
7480	499693.45	3733793.32	0.001165	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
7481	499684.72	3733789.67	0.001138	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7482	499675.99	3733786.02	0.00111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7483	499667.27	3733782.36	0.001082	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7484	499658.54	3733778.71	0.001054	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.38E-04	0.00E+00	0.00E+00
7485	499649.81	3733775.06	0.001026	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7486	499641.09	3733771.4	0.000998	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
7487	499628.8	3733758.98	0.000964	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
7488	499625.25	3733750.22	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7489	499621.69	3733741.45	0.000949	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7490	499618.14	3733732.68	0.000941	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
7491	499614.58	3733723.92	0.000933	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7492	499611.02	3733715.15	0.000923	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
7493	499607.47	3733706.38	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.38E-04	2.93E-04	0.00E+00	0.00E+00
7494	499603.91	3733697.61	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
7495	499600.36	3733688.85	0.000892	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
7496	499596.8	3733680.08	0.000881	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-04	1.62E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
7497	499593.24	3733671.31	0.000869	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
7498	499589.69	3733662.55	0.000857	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
7499	499586.13	3733653.78	0.000845	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
7500	499582.58	3733645.01	0.000833	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00

7501	499575.46	3733627.48	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
7502	499557.68	3733583.64	0.00074	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.38E-04	0.00E+00	0.00E+00
7503	499554.13	3733574.88	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
7504	499550.57	3733566.11	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
7505	499547.02	3733557.34	0.000699	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
7506	499859.26	3733862.74	0.001494	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
7507	499869.08	3733862.76	0.001512	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
7508	499878.91	3733862.78	0.001529	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.91E-04	0.00E+00	0.00E+00
7509	499888.73	3733862.8	0.001543	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.96E-04	0.00E+00	0.00E+00
7510	499898.56	3733862.82	0.001556	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.34E-04	5.00E-04	0.00E+00	0.00E+00
7511	499908.38	3733862.84	0.001567	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.03E-04	0.00E+00	0.00E+00
7512	499918.2	3733862.86	0.001576	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.06E-04	0.00E+00	0.00E+00
7513	499928.03	3733862.88	0.001584	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.92E-03	0.00E+00	0.00E+00	2.38E-04	5.09E-04	0.00E+00	0.00E+00
7514	499937.85	3733862.89	0.001589	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
7515	499947.68	3733862.91	0.001592	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.40E-04	5.11E-04	0.00E+00	0.00E+00
7516	499957.5	3733862.93	0.001593	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.12E-04	0.00E+00	0.00E+00
7517	499967.33	3733862.95	0.001592	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.11E-04	0.00E+00	0.00E+00
7518	499977.15	3733862.97	0.001589	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
7519	499986.98	3733862.99	0.001585	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.92E-03	0.00E+00	0.00E+00	2.39E-04	5.09E-04	0.00E+00	0.00E+00
7520	499996.8	3733863.01	0.001578	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.38E-04	5.07E-04	0.00E+00	0.00E+00
7521	500006.62	3733863.03	0.001569	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
7522	500016.45	3733863.05	0.001558	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.35E-04	5.00E-04	0.00E+00	0.00E+00
7523	500026.27	3733863.07	0.001545	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.85E-03	0.00E+00	0.00E+00	2.33E-04	4.96E-04	0.00E+00	0.00E+00
7524	500036.1	3733863.09	0.001531	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.92E-04	0.00E+00	0.00E+00
7525	500045.92	3733863.11	0.001515	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
7526	500055.75	3733863.13	0.001497	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.25E-04	4.81E-04	0.00E+00	0.00E+00
7527	500065.57	3733863.15	0.001477	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.72E-03	0.00E+00	0.00E+00	2.22E-04	4.74E-04	0.00E+00	0.00E+00
7528	500075.39	3733863.17	0.001456	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.68E-04	0.00E+00	0.00E+00
7529	500085.22	3733863.19	0.001434	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.16E-04	4.60E-04	0.00E+00	0.00E+00
7530	500095.04	3733863.21	0.00141	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.53E-04	0.00E+00	0.00E+00
7531	500104.87	3733863.22	0.001385	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.55E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
7532	500114.69	3733863.24	0.00136	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.37E-04	0.00E+00	0.00E+00
7533	500124.52	3733863.26	0.001333	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7534	500134.34	3733863.28	0.001306	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.19E-04	0.00E+00	0.00E+00
7535	500144.17	3733863.3	0.001277	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.10E-04	0.00E+00	0.00E+00
7536	500153.99	3733863.32	0.001249	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00
7537	500163.81	3733863.34	0.00122	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7538	500173.64	3733863.36	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7539	500183.46	3733863.38	0.001161	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.73E-04	0.00E+00	0.00E+00
7540	499850.34	3733889.03	0.00138	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
7541	499841.47	3733885.32	0.001377	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
7542	499832.61	3733881.61	0.001373	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
7543	499823.75	3733877.9	0.001367	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
7544	499814.88	3733874.19	0.001359	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.05E-04	4.36E-04	0.00E+00	0.00E+00
7545	499806.02	3733870.48	0.00135	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.49E-03	0.00E+00	0.00E+00	2.03E-04	4.33E-04	0.00E+00	0.00E+00
7546	499797.16	3733866.77	0.001339	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.30E-04	0.00E+00	0.00E+00
7547	499788.29	3733863.06	0.001327	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
7548	499779.43	3733859.34	0.001313	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.98E-04	4.22E-04	0.00E+00	0.00E+00
7549	499770.57	3733855.63	0.001298	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.17E-04	0.00E+00	0.00E+00
7550	499761.7	3733851.92	0.001281	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7551	499752.84	3733848.21	0.001264	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
7552	499743.98	3733844.5	0.001245	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	4.00E-04	0.00E+00	0.00E+00
7553	499735.11	3733840.79	0.001225	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7554	499726.25	3733837.08	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7555	499717.39	3733833.37	0.001182	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
7556	499708.52	3733829.66	0.001159	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.74E-04	3.72E-04	0.00E+00	0.00E+00
7557	499699.66	3733825.95	0.001136	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7558	499690.8	3733822.24	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7559	499681.93	3733818.53	0.001087	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7560	499673.07	3733814.82	0.001063	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
7561	499664.21	3733811.11	0.001038	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7562	499655.34	3733807.4	0.001013	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
7563	499646.48	3733803.69	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7564	499637.62	3733799.98	0.000962	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
7565	499628.75	3733796.27	0.000937	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
7566	499619.89	3733792.56	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
7567	499607.42	3733779.94	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
7568	499603.81	3733771.04	0.000876	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
7569	499600.19	3733762.13	0.000868	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
7570	499596.58	3733753.23	0.000861	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
7571	499592.97	3733744.33	0.000853	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
7572	499589.36	3733735.42	0.000844	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
7573	499585.75	3733726.52	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
7574	499582.14	3733717.61	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
7575	499578.52	3733708.71	0.000816	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
7576	499574.91	3733699.81	0.000806	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
7577	499567.69	3733682	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
7578	499564.08	3733673.09	0.000774	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
7579	499560.47	3733664.19	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
7580	499556.85	3733655.29	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7581	499535.19	3733601.86	0.00068	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
7582	499531.57	3733592.96	0.000667	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
7583	499527.96	3733584.05	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
7584	499524.35	3733575.15	0.000643	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	1.19E-03	0.00E+00	0.00E+00	9.68E-05	2.06E-04	0.00E+00	0.00E+00
7585	499520.74	3733566.25	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
7586	499859.2	3733892.74	0.001381	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
7587	499869.02	3733892.76	0.001395	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
7588	499878.85	3733892.78	0.001408	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.59E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
7589	499888.67	3733892.8	0.001419	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
7590	499898.5	3733892.82	0.001429	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
7591	499908.32	3733892.84	0.001437	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.16E-04	4.62E-04	0.00E+00	0.00E+00
7592	499918.14	3733892.86	0.001444	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.64E-04	0.00E+00	0.00E+00
7593	499927.97	3733892.88	0.001449	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7594	499937.79	3733892.89	0.001453	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.66E-04	0.00E+00	0.00E+00
7595	499947.62	3733892.91	0.001454	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
7596	499957.44	3733892.93	0.001454	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
7597	499967.27	3733892.95	0.001453	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
7598	499977.09	3733892.97	0.001449	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7599	499986.92	3733892.99	0.001444	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.64E-04	0.00E+00	0.00E+00
7600	499996.74	3733893.01	0.001437	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.16E-04	4.62E-04	0.00E+00	0.00E+00
7601	500006.56	3733893.03	0.001429	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
7602	500016.39	3733893.05	0.001419	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
7603	500026.21	3733893.07	0.001408	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
7604	500036.04	3733893.09	0.001395	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
7605	500045.86	3733893.11	0.001381	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
7606	500055.69	3733893.13	0.001365	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.52E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
7607	500065.51	3733893.15	0.001348	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.33E-04	0.00E+00	0.00E+00
7608	500075.34	3733893.17	0.00133	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
7609	500085.16	3733893.19	0.00131	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.97E-04	4.21E-04	0.00E+00	0.00E+00
7610	500094.98	3733893.21	0.00129	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.14E-04	0.00E+00	0.00E+00
7611	500104.81	3733893.22	0.001269	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
7612	500114.63	3733893.24	0.001247	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00

7613	500124.46	3733893.26	0.001224	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7614	500134.28	3733893.28	0.0012	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
7615	500144.11	3733893.3	0.001176	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
7616	500153.93	3733893.32	0.001152	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.70E-04	0.00E+00	0.00E+00
7617	500163.76	3733893.34	0.001127	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
7618	500173.58	3733893.36	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7619	500183.4	3733893.38	0.001076	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
7620	499850.16	3733918.98	0.00128	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7621	499841.18	3733915.22	0.001279	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7622	499832.19	3733911.46	0.001276	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.10E-04	0.00E+00	0.00E+00
7623	499823.21	3733907.7	0.001272	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
7624	499814.23	3733903.94	0.001267	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.33E-03	0.00E+00	0.00E+00	1.91E-04	4.07E-04	0.00E+00	0.00E+00
7625	499805.25	3733900.18	0.00126	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
7626	499796.27	3733896.42	0.001252	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.88E-04	4.02E-04	0.00E+00	0.00E+00
7627	499787.29	3733892.66	0.001242	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
7628	499778.31	3733888.9	0.001231	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7629	499769.33	3733885.14	0.001219	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
7630	499760.34	3733881.38	0.001205	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7631	499751.36	3733877.62	0.001191	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7632	499742.38	3733873.86	0.001175	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
7633	499733.4	3733870.1	0.001158	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.72E-04	0.00E+00	0.00E+00
7634	499724.42	3733866.34	0.00114	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
7635	499715.44	3733862.58	0.001122	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
7636	499706.46	3733858.82	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7637	499697.47	3733855.06	0.001082	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7638	499688.49	3733851.3	0.001061	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
7639	499679.51	3733847.54	0.00104	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7640	499670.53	3733843.78	0.001018	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
7641	499661.55	3733840.02	0.000996	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
7642	499652.57	3733836.26	0.000974	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7643	499643.59	3733832.5	0.000951	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7644	499634.6	3733828.74	0.000928	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
7645	499625.62	3733824.98	0.000906	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7646	499616.64	3733821.22	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
7647	499607.66	3733817.46	0.000861	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
7648	499598.68	3733813.7	0.000838	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	1.55E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
7649	499586.04	3733800.92	0.000811	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
7650	499582.38	3733791.89	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
7651	499578.72	3733782.87	0.000798	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
7652	499575.06	3733773.85	0.000791	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
7653	499571.4	3733764.83	0.000784	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
7654	499567.74	3733755.8	0.000776	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
7655	499564.08	3733746.78	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
7656	499560.42	3733737.76	0.000759	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
7657	499556.76	3733728.74	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7658	499553.1	3733719.71	0.000741	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
7659	499549.44	3733710.69	0.000732	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
7660	499545.78	3733701.67	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
7661	499542.12	3733692.64	0.000712	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
7662	499538.46	3733683.62	0.000702	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
7663	499534.8	3733674.6	0.000692	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
7664	499531.14	3733665.58	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
7665	499859.14	3733922.74	0.00128	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7666	499868.96	3733922.76	0.001291	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.15E-04	0.00E+00	0.00E+00
7667	499878.79	3733922.78	0.001301	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
7668	499888.61	3733922.8	0.00131	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.21E-04	0.00E+00	0.00E+00
7669	499898.44	3733922.82	0.001318	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
7670	499908.26	3733922.84	0.001324	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.25E-04	0.00E+00	0.00E+00
7671	499918.09	3733922.86	0.001329	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
7672	499927.91	3733922.88	0.001332	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7673	499937.73	3733922.89	0.001334	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7674	499947.56	3733922.91	0.001335	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.29E-04	0.00E+00	0.00E+00
7675	499957.38	3733922.93	0.001334	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7676	499967.21	3733922.95	0.001332	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7677	499977.03	3733922.97	0.001328	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
7678	499986.86	3733922.99	0.001323	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.25E-04	0.00E+00	0.00E+00
7679	499996.68	3733923.01	0.001317	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
7680	500006.51	3733923.03	0.001309	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.20E-04	0.00E+00	0.00E+00
7681	500016.33	3733923.05	0.0013	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.17E-04	0.00E+00	0.00E+00
7682	500026.15	3733923.07	0.00129	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.14E-04	0.00E+00	0.00E+00
7683	500035.98	3733923.09	0.001278	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.92E-04	4.10E-04	0.00E+00	0.00E+00
7684	500045.8	3733923.11	0.001265	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
7685	500055.63	3733923.13	0.001251	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.88E-04	4.02E-04	0.00E+00	0.00E+00
7686	500065.45	3733923.15	0.001237	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
7687	500075.28	3733923.17	0.001221	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7688	500085.1	3733923.19	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7689	500094.93	3733923.21	0.001186	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
7690	500104.75	3733923.22	0.001168	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
7691	500114.57	3733923.24	0.001149	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
7692	500124.4	3733923.26	0.001129	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
7693	500134.22	3733923.28	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7694	500144.05	3733923.3	0.001088	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7695	500153.87	3733923.32	0.001067	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
7696	500163.7	3733923.34	0.001045	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
7697	500173.52	3733923.36	0.001023	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7698	500183.34	3733923.38	0.001001	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
7699	499850.27	3733949.05	0.001191	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7700	499841.46	3733945.36	0.001191	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7701	499832.65	3733941.68	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7702	499823.84	3733937.99	0.001188	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
7703	499815.03	3733934.3	0.001184	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
7704	499806.22	3733930.61	0.001179	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.78E-04	3.79E-04	0.00E+00	0.00E+00
7705	499797.41	3733926.92	0.001174	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
7706	499788.6	3733923.24	0.001167	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
7707	499779.79	3733919.55	0.001159	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.74E-04	3.72E-04	0.00E+00	0.00E+00
7708	499770.98	3733915.86	0.001149	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
7709	499762.18	3733912.17	0.001139	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.66E-04	0.00E+00	0.00E+00
7710	499753.37	3733908.48	0.001128	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
7711	499744.56	3733904.79	0.001115	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
7712	499735.75	3733901.11	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7713	499726.94	3733897.42	0.001088	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7714	499718.13	3733893.73	0.001073	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
7715	499709.32	3733890.04	0.001057	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7716	499700.51	3733886.35	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7717	499691.7	3733882.67	0.001024	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7718	499682.89	3733878.98	0.001006	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
7719	499674.08	3733875.29	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7720	499665.27	3733871.6	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7721	499656.46	3733867.91	0.00095	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7722	499647.65	3733864.23	0.00093	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7723	499638.84	3733860.54	0.000911	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
7724	499630.03	3733856.85	0.000891	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00

7725	499621.22	3733853.16	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
7726	499612.41	3733849.47	0.000852	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
7727	499603.6	3733845.79	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
7728	499594.79	3733842.1	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
7729	499585.99	3733838.41	0.000792	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
7730	499577.18	3733834.72	0.000773	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
7731	499564.78	3733822.18	0.000748	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
7732	499561.19	3733813.33	0.000743	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
7733	499557.6	3733804.48	0.000737	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
7734	499554.01	3733795.63	0.000731	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
7735	499550.42	3733786.78	0.000724	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
7736	499546.83	3733777.93	0.000718	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
7737	499543.24	3733769.08	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
7738	499539.65	3733760.23	0.000703	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
7739	499536.06	3733751.38	0.000695	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
7740	499532.47	3733742.53	0.000687	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
7741	499528.88	3733733.68	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
7742	499859.08	3733952.74	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7743	499868.9	3733952.76	0.001199	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.80E-04	3.85E-04	0.00E+00	0.00E+00
7744	499878.73	3733952.78	0.001207	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.22E-03	0.00E+00	0.00E+00	1.82E-04	3.87E-04	0.00E+00	0.00E+00
7745	499888.55	3733952.8	0.001213	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
7746	499898.38	3733952.82	0.001219	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7747	499908.2	3733952.84	0.001224	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7748	499918.03	3733952.86	0.001227	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
7749	499927.85	3733952.88	0.00123	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7750	499937.68	3733952.89	0.001231	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7751	499947.5	3733952.91	0.00123	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7752	499957.32	3733952.93	0.001229	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7753	499967.15	3733952.95	0.001226	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
7754	499976.97	3733952.97	0.001223	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7755	499986.8	3733952.99	0.001218	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
7756	499996.62	3733953.01	0.001212	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.89E-04	0.00E+00	0.00E+00
7757	500006.45	3733953.03	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7758	500016.27	3733953.05	0.001196	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
7759	500026.09	3733953.07	0.001187	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
7760	500035.92	3733953.09	0.001176	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
7761	500045.74	3733953.11	0.001165	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
7762	500055.57	3733953.13	0.001153	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.74E-04	3.70E-04	0.00E+00	0.00E+00
7763	500065.39	3733953.15	0.00114	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
7764	500075.22	3733953.17	0.001126	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.62E-04	0.00E+00	0.00E+00
7765	500085.04	3733953.19	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7766	500094.87	3733953.21	0.001096	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
7767	500104.69	3733953.22	0.00108	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7768	500114.51	3733953.24	0.001063	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
7769	500124.34	3733953.26	0.001046	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
7770	500134.16	3733953.28	0.001028	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.55E-04	3.30E-04	0.00E+00	0.00E+00
7771	500143.99	3733953.3	0.00101	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
7772	500153.81	3733953.32	0.000991	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
7773	500163.64	3733953.34	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7774	500173.46	3733953.36	0.000953	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
7775	500183.29	3733953.38	0.000934	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
7776	499850.11	3733979.01	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7777	499841.19	3733975.28	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7778	499832.28	3733971.54	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7779	499823.37	3733967.81	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7780	499814.45	3733964.08	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7781	499805.54	3733960.35	0.001105	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.66E-04	3.55E-04	0.00E+00	0.00E+00
7782	499796.62	3733956.62	0.001101	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7783	499787.71	3733952.89	0.001096	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
7784	499778.8	3733949.15	0.001089	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
7785	499769.88	3733945.42	0.001082	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7786	499760.97	3733941.69	0.001074	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
7787	499752.05	3733937.96	0.001064	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.42E-04	0.00E+00	0.00E+00
7788	499743.14	3733934.23	0.001054	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7789	499734.23	3733930.5	0.001043	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7790	499725.31	3733926.76	0.001031	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
7791	499716.4	3733923.03	0.001019	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
7792	499707.48	3733919.3	0.001005	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
7793	499698.57	3733915.57	0.000991	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
7794	499689.66	3733911.84	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7795	499680.74	3733908.1	0.000961	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.08E-04	0.00E+00	0.00E+00
7796	499671.83	3733904.37	0.000945	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
7797	499662.92	3733900.64	0.000928	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
7798	499654	3733896.91	0.000911	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
7799	499645.09	3733893.18	0.000894	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
7800	499636.17	3733889.45	0.000877	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
7801	499627.26	3733885.71	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
7802	499618.35	3733881.98	0.000841	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
7803	499609.43	3733878.25	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
7804	499600.52	3733874.52	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
7805	499591.6	3733870.79	0.000787	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
7806	499582.69	3733867.06	0.000769	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
7807	499573.78	3733863.32	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7808	499564.86	3733859.59	0.000733	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
7809	499555.95	3733855.86	0.000716	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
7810	499543.4	3733843.17	0.000693	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
7811	499539.77	3733834.22	0.000688	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
7812	499536.14	3733825.26	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
7813	499532.51	3733816.31	0.000677	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
7814	499528.87	3733807.35	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
7815	499525.24	3733798.4	0.000665	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
7816	499521.61	3733789.45	0.000658	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.91E-05	2.11E-04	0.00E+00	0.00E+00
7817	499517.98	3733780.49	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.81E-05	2.09E-04	0.00E+00	0.00E+00
7818	499514.35	3733771.54	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
7819	499510.71	3733762.58	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
7820	499859.02	3733982.74	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7821	499868.85	3733982.76	0.001116	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
7822	499878.67	3733982.78	0.001122	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
7823	499888.49	3733982.8	0.001128	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
7824	499898.32	3733982.82	0.001132	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
7825	499908.14	3733982.84	0.001135	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7826	499917.97	3733982.86	0.001137	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7827	499927.79	3733982.88	0.001139	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.66E-04	0.00E+00	0.00E+00
7828	499937.62	3733982.89	0.001139	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
7829	499947.44	3733982.91	0.001138	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.66E-04	0.00E+00	0.00E+00
7830	499957.26	3733982.93	0.001137	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7831	499967.09	3733982.95	0.001134	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.64E-04	0.00E+00	0.00E+00
7832	499976.91	3733982.97	0.00113	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
7833	499986.74	3733982.99	0.001125	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.61E-04	0.00E+00	0.00E+00
7834	499996.56	3733983.01	0.00112	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
7835	500006.39	3733983.03	0.001113	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.68E-04	3.57E-04	0.00E+00	0.00E+00
7836	500016.21	3733983.05	0.001105	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.66E-04	3.55E-04	0.00E+00	0.00E+00

7837	500026.04	3733983.07	0.001097	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
7838	500035.86	3733983.09	0.001088	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7839	500045.68	3733983.11	0.001077	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
7840	500055.51	3733983.13	0.001066	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.42E-04	0.00E+00	0.00E+00
7841	500065.33	3733983.15	0.001055	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7842	500075.16	3733983.17	0.001042	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7843	500084.98	3733983.19	0.001029	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
7844	500094.81	3733983.21	0.001016	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
7845	500104.63	3733983.22	0.001002	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
7846	500114.46	3733983.24	0.000987	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7847	500124.28	3733983.26	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7848	500134.1	3733983.28	0.000956	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7849	500143.93	3733983.3	0.00094	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
7850	500153.75	3733983.32	0.000924	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
7851	500163.58	3733983.34	0.000908	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.92E-04	0.00E+00	0.00E+00
7852	500173.4	3733983.36	0.000891	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
7853	500183.23	3733983.38	0.000874	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
7854	499849.95	3734008.97	0.001039	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.34E-04	0.00E+00	0.00E+00
7855	499840.95	3734005.2	0.00104	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7856	499831.94	3734001.43	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7857	499822.93	3733997.66	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7858	499813.93	3733993.89	0.00104	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7859	499804.92	3733990.12	0.001038	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7860	499795.91	3733986.34	0.001035	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.32E-04	0.00E+00	0.00E+00
7861	499786.91	3733982.57	0.001031	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
7862	499777.9	3733978.8	0.001026	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7863	499768.89	3733975.03	0.00102	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
7864	499759.88	3733971.26	0.001014	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
7865	499750.88	3733967.49	0.001006	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
7866	499741.87	3733963.72	0.000998	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
7867	499732.86	3733959.95	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7868	499723.86	3733956.18	0.000978	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7869	499714.85	3733952.41	0.000968	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7870	499705.84	3733948.64	0.000956	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7871	499696.84	3733944.87	0.000944	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
7872	499687.83	3733941.1	0.000931	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7873	499678.82	3733937.33	0.000918	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
7874	499669.82	3733933.55	0.000904	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
7875	499660.81	3733929.78	0.00089	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
7876	499651.8	3733926.01	0.000875	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
7877	499642.79	3733922.24	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
7878	499633.79	3733918.47	0.000844	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
7879	499624.78	3733914.7	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
7880	499615.77	3733910.93	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
7881	499606.77	3733907.16	0.000796	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
7882	499597.76	3733903.39	0.00078	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
7883	499588.75	3733899.62	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
7884	499579.75	3733895.85	0.000747	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
7885	499570.74	3733892.08	0.00073	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
7886	499561.73	3733888.31	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
7887	499552.72	3733884.54	0.000698	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
7888	499543.72	3733880.77	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
7889	499534.71	3733876.99	0.000665	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
7890	499522.03	3733864.18	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
7891	499518.36	3733855.13	0.00064	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
7892	499514.69	3733846.08	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
7893	499511.02	3733837.03	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
7894	499507.35	3733827.98	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.39E-05	2.00E-04	0.00E+00	0.00E+00
7895	499503.68	3733818.93	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
7896	499500.01	3733809.89	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.97E-04	0.00E+00	0.00E+00
7897	499496.34	3733800.84	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.95E-04	0.00E+00	0.00E+00
7898	499481.66	3733764.64	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
7899	499477.99	3733755.59	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
7900	499474.32	3733746.55	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
7901	499470.65	3733737.5	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
7902	499459.64	3733710.35	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
7903	499455.97	3733701.3	0.000525	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.68E-04	0.00E+00	0.00E+00	7.91E-05	1.69E-04	0.00E+00	0.00E+00
7904	499858.96	3734012.74	0.001036	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7905	499868.79	3734012.76	0.001042	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7906	499878.61	3734012.78	0.001047	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.36E-04	0.00E+00	0.00E+00
7907	499888.43	3734012.8	0.001051	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
7908	499898.26	3734012.82	0.001054	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7909	499908.08	3734012.84	0.001056	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7910	499917.91	3734012.86	0.001058	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
7911	499927.73	3734012.87	0.001059	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
7912	499937.56	3734012.89	0.001058	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
7913	499947.38	3734012.91	0.001057	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7914	499957.21	3734012.93	0.001055	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7915	499967.03	3734012.95	0.001052	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
7916	499976.85	3734012.97	0.001048	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
7917	499986.68	3734012.99	0.001044	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7918	499996.5	3734013.01	0.001038	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7919	500006.33	3734013.03	0.001032	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.32E-04	0.00E+00	0.00E+00
7920	500016.15	3734013.05	0.001025	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7921	500025.98	3734013.07	0.001018	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
7922	500035.8	3734013.09	0.001009	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
7923	500045.63	3734013.11	0.001	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
7924	500055.45	3734013.13	0.00099	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
7925	500065.27	3734013.15	0.00098	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
7926	500075.1	3734013.17	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7927	500084.92	3734013.19	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7928	500094.75	3734013.2	0.000945	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
7929	500104.57	3734013.22	0.000932	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7930	500114.4	3734013.24	0.000919	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
7931	500124.22	3734013.26	0.000906	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7932	500134.04	3734013.28	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
7933	500143.87	3734013.3	0.000879	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
7934	500153.69	3734013.32	0.000864	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
7935	500163.52	3734013.34	0.00085	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
7936	500173.34	3734013.36	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
7937	500183.17	3734013.38	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
7938	499850.04	3734039.03	0.000974	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7939	499841.18	3734035.32	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7940	499832.31	3734031.61	0.000977	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7941	499823.45	3734027.9	0.000978	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7942	499814.59	3734024.19	0.000977	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7943	499805.72	3734020.48	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7944	499796.86	3734016.77	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7945	499788	3734013.05	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7946	499779.13	3734009.34	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7947	499770.27	3734005.63	0.000965	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
7948	499761.41	3734001.92	0.00096	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00

7949	499752.54	3733998.21	0.000954	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
7950	499743.68	3733994.5	0.000947	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
7951	499734.82	3733990.79	0.00094	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
7952	499725.95	3733987.08	0.000932	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7953	499717.09	3733983.37	0.000924	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
7954	499708.23	3733979.66	0.000914	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
7955	499699.36	3733975.95	0.000905	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7956	499690.5	3733972.24	0.000894	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
7957	499681.64	3733968.53	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
7958	499672.77	3733964.82	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
7959	499663.91	3733961.11	0.00086	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
7960	499655.05	3733957.4	0.000847	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
7961	499646.18	3733953.69	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
7962	499637.32	3733949.98	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
7963	499628.46	3733946.27	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
7964	499619.59	3733942.56	0.000794	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
7965	499610.73	3733938.84	0.000779	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
7966	499601.87	3733935.13	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
7967	499593.01	3733931.42	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7968	499584.14	3733927.71	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
7969	499575.28	3733924	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
7970	499566.42	3733920.29	0.000707	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
7971	499557.55	3733916.58	0.000692	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
7972	499548.69	3733912.87	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
7973	499539.83	3733909.16	0.000663	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
7974	499530.96	3733905.45	0.000648	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.20E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
7975	499522.1	3733901.74	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.54E-05	2.04E-04	0.00E+00	0.00E+00
7976	499513.24	3733898.03	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
7977	499500.76	3733885.41	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
7978	499497.15	3733876.51	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
7979	499493.54	3733867.61	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
7980	499489.93	3733858.7	0.000588	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
7981	499486.32	3733849.8	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.77E-05	1.87E-04	0.00E+00	0.00E+00
7982	499482.7	3733840.89	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
7983	499479.09	3733831.99	0.000572	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.05E-03	0.00E+00	0.00E+00	8.61E-05	1.84E-04	0.00E+00	0.00E+00
7984	499468.26	3733805.28	0.000554	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
7985	499464.65	3733796.37	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
7986	499461.03	3733787.47	0.000542	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.99E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
7987	499457.42	3733778.57	0.000535	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
7988	499453.81	3733769.66	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
7989	499450.2	3733760.76	0.000522	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
7990	499446.59	3733751.85	0.000516	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.50E-04	0.00E+00	0.00E+00	7.76E-05	1.66E-04	0.00E+00	0.00E+00
7991	499421.31	3733689.53	0.000467	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
7992	499417.7	3733680.62	0.00046	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
7993	499414.08	3733671.72	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
7994	499410.47	3733662.81	0.000446	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
7995	499858.9	3734042.74	0.000971	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7996	499868.73	3734042.76	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7997	499878.55	3734042.78	0.000979	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7998	499888.38	3734042.8	0.000982	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
7999	499898.2	3734042.82	0.000984	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
8000	499908.02	3734042.84	0.000986	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.17E-04	0.00E+00	0.00E+00
8001	499917.85	3734042.86	0.000987	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
8002	499927.67	3734042.87	0.000987	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
8003	499937.5	3734042.89	0.000986	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.17E-04	0.00E+00	0.00E+00
8004	499947.32	3734042.91	0.000985	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
8005	499957.15	3734042.93	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
8006	499966.97	3734042.95	0.00098	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.47E-04	3.15E-04	0.00E+00	0.00E+00
8007	499976.8	3734042.97	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
8008	499986.62	3734042.99	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
8009	499996.44	3734043.01	0.000966	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.10E-04	0.00E+00	0.00E+00
8010	500006.27	3734043.03	0.000961	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
8011	500016.09	3734043.05	0.000954	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
8012	500025.92	3734043.07	0.000947	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
8013	500035.74	3734043.09	0.00094	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.02E-04	0.00E+00	0.00E+00
8014	500045.57	3734043.11	0.000931	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
8015	500055.39	3734043.13	0.000922	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
8016	500065.21	3734043.15	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
8017	500075.04	3734043.17	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8018	500084.86	3734043.19	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
8019	500094.69	3734043.2	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
8020	500104.51	3734043.22	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
8021	500114.34	3734043.24	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
8022	500124.16	3734043.26	0.000848	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
8023	500133.99	3734043.28	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8024	500143.81	3734043.3	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
8025	500153.63	3734043.32	0.000811	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8026	500163.46	3734043.34	0.000798	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
8027	500173.28	3734043.36	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
8028	500183.11	3734043.38	0.000772	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
8029	499849.92	3734079.01	0.000896	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8030	499841.01	3734075.28	0.000898	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
8031	499832.11	3734071.56	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8032	499823.21	3734067.83	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8033	499814.3	3734064.1	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8034	499805.4	3734060.37	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8035	499796.49	3734056.64	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8036	499787.59	3734052.92	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8037	499778.68	3734049.19	0.000898	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8038	499769.78	3734045.46	0.000895	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8039	499760.87	3734041.73	0.000892	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
8040	499751.97	3734038.01	0.000888	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
8041	499743.07	3734034.28	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
8042	499734.16	3734030.55	0.000878	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
8043	499725.26	3734026.82	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
8044	499716.35	3734023.09	0.000865	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
8045	499707.45	3734019.37	0.000858	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
8046	499698.54	3734015.64	0.00085	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
8047	499689.64	3734011.91	0.000841	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
8048	499680.73	3734008.18	0.000833	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8049	499671.83	3734004.46	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
8050	499662.93	3734000.73	0.000813	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
8051	499654.02	3733997	0.000803	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
8052	499645.12	3733993.27	0.000792	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
8053	499636.21	3733989.54	0.000781	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
8054	499627.31	3733985.82	0.00077	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8055	499618.4	3733982.09	0.000758	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8056	499609.5	3733978.36	0.000746	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8057	499600.59	3733974.63	0.000734	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
8058	499591.69	3733970.91	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8059	499582.79	3733967.18	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8060	499573.88	3733963.45	0.000696	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00

8061	499564.98	3733959.72	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8062	499556.07	3733956	0.00067	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8063	499547.17	3733952.27	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
8064	499538.26	3733948.54	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
8065	499529.36	3733944.81	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
8066	499520.45	3733941.08	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8067	499511.55	3733937.36	0.000605	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
8068	499502.65	3733933.63	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8069	499493.74	3733929.9	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
8070	499484.84	3733926.17	0.000567	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
8071	499472.3	3733913.5	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
8072	499468.67	3733904.55	0.000546	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.22E-05	1.75E-04	0.00E+00	0.00E+00
8073	499465.05	3733895.61	0.000542	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.99E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
8074	499461.42	3733886.66	0.000538	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.10E-05	1.73E-04	0.00E+00	0.00E+00
8075	499457.79	3733877.72	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8076	499454.16	3733868.77	0.000528	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8077	499450.53	3733859.83	0.000523	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.65E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8078	499443.28	3733841.94	0.000513	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
8079	499439.65	3733832.99	0.000508	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.65E-05	1.63E-04	0.00E+00	0.00E+00
8080	499436.02	3733824.05	0.000503	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.26E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8081	499432.39	3733815.1	0.000497	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.48E-05	1.60E-04	0.00E+00	0.00E+00
8082	499428.76	3733806.15	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8083	499425.13	3733797.21	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
8084	499421.51	3733788.26	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
8085	499417.88	3733779.32	0.000474	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
8086	499414.25	3733770.37	0.000468	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
8087	499348.94	3733609.36	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
8088	499345.31	3733600.41	0.000351	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
8089	499341.68	3733591.46	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
8090	499338.05	3733582.52	0.00034	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
8091	499334.43	3733573.57	0.000334	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
8092	499330.8	3733564.63	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
8093	499327.17	3733555.68	0.000324	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
8094	499323.54	3733546.74	0.000318	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
8095	499858.82	3734082.74	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
8096	499868.65	3734082.76	0.000896	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8097	499878.47	3734082.78	0.000899	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
8098	499888.3	3734082.8	0.000901	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8099	499898.12	3734082.82	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8100	499907.95	3734082.84	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8101	499917.77	3734082.86	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8102	499927.59	3734082.87	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8103	499937.42	3734082.89	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8104	499947.24	3734082.91	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8105	499957.07	3734082.93	0.000898	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8106	499966.89	3734082.95	0.000895	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
8107	499976.72	3734082.97	0.000891	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
8108	499986.54	3734082.99	0.000887	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
8109	499996.36	3734083.01	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
8110	500006.19	3734083.03	0.000877	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
8111	500016.01	3734083.05	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
8112	500025.84	3734083.07	0.000865	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
8113	500035.66	3734083.09	0.000858	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
8114	500045.49	3734083.11	0.000851	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
8115	500055.31	3734083.13	0.000843	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
8116	500065.14	3734083.15	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8117	500074.96	3734083.17	0.000827	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8118	500084.78	3734083.19	0.000818	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
8119	500094.61	3734083.2	0.000808	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8120	500104.43	3734083.22	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
8121	500114.26	3734083.24	0.000789	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
8122	500124.08	3734083.26	0.000779	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
8123	500133.91	3734083.28	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8124	500143.73	3734083.3	0.000758	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8125	500153.56	3734083.32	0.000747	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8126	500163.38	3734083.34	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
8127	500173.2	3734083.36	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8128	500183.03	3734083.38	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8129	499849.8	3734119	0.000827	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8130	499840.86	3734115.25	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8131	499831.92	3734111.51	0.000833	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8132	499822.98	3734107.77	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8133	499814.04	3734104.03	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8134	499805.1	3734100.28	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
8135	499796.16	3734096.54	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
8136	499787.22	3734092.8	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8137	499778.28	3734089.05	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8138	499769.34	3734085.31	0.000833	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.54E-03	0.00E+00	0.00E+00	1.25E-04	2.68E-04	0.00E+00	0.00E+00
8139	499760.4	3734081.57	0.000831	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8140	499751.46	3734077.83	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8141	499742.52	3734074.08	0.000824	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8142	499733.58	3734070.34	0.00082	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.63E-04	0.00E+00	0.00E+00
8143	499724.64	3734066.6	0.000816	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
8144	499715.7	3734062.85	0.000811	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8145	499706.76	3734059.11	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
8146	499697.82	3734055.37	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
8147	499688.88	3734051.63	0.000792	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
8148	499679.94	3734047.88	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
8149	499671	3734044.14	0.000777	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
8150	499662.06	3734040.4	0.000769	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8151	499653.12	3734036.66	0.000761	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04	1.40E-03	0.00E+00	0.00E+00	1.15E-04	2.44E-04	0.00E+00	0.00E+00
8152	499644.18	3734032.91	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
8153	499635.24	3734029.17	0.000743	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
8154	499626.3	3734025.43	0.000733	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
8155	499617.36	3734021.68	0.000723	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8156	499608.42	3734017.94	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8157	499599.48	3734014.2	0.000703	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
8158	499590.54	3734010.46	0.000692	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
8159	499581.59	3734006.71	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8160	499572.65	3734002.97	0.00067	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8161	499563.71	3733999.23	0.000659	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.11E-04	0.00E+00	0.00E+00
8162	499554.77	3733995.48	0.000647	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
8163	499545.83	3733991.74	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.57E-05	2.04E-04	0.00E+00	0.00E+00
8164	499536.89	3733988	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.00E-04	0.00E+00	0.00E+00
8165	499527.95	3733984.26	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
8166	499519.01	3733980.51	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
8167	499510.07	3733976.77	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
8168	499501.13	3733973.03	0.000578	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
8169	499492.19	3733969.29	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8170	499483.25	3733965.54	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
8171	499474.31	3733961.8	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
8172	499465.37	3733958.06	0.000532	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.01E-05	1.71E-04	0.00E+00	0.00E+00

8173	499456.43	3733954.31	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8174	499443.85	3733941.59	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8175	499440.2	3733932.61	0.000502	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
8176	499436.56	3733923.63	0.000498	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8177	499432.92	3733914.65	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8178	499429.28	3733905.66	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8179	499425.63	3733896.68	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8180	499356.42	3733726.04	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.24E-04	0.00E+00	0.00E+00
8181	499352.77	3733717.05	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
8182	499349.13	3733708.07	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
8183	499345.49	3733699.09	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
8184	499341.84	3733690.11	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
8185	499319.99	3733636.22	0.000333	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
8186	499316.34	3733627.24	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
8187	499312.7	3733618.26	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
8188	499309.06	3733609.28	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
8189	499305.42	3733600.3	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
8190	499301.77	3733591.31	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
8191	499298.13	3733582.33	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
8192	499294.49	3733573.35	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
8193	499290.84	3733564.37	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
8194	499283.56	3733546.41	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
8195	499858.74	3734122.74	0.000824	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8196	499868.57	3734122.76	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8197	499878.39	3734122.78	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8198	499888.22	3734122.8	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8199	499898.04	3734122.82	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8200	499907.87	3734122.84	0.000831	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8201	499917.69	3734122.86	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8202	499927.51	3734122.87	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8203	499937.34	3734122.89	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8204	499947.16	3734122.91	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8205	499956.99	3734122.93	0.000824	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8206	499966.81	3734122.95	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
8207	499976.64	3734122.97	0.000818	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
8208	499986.46	3734122.99	0.000814	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.61E-04	0.00E+00	0.00E+00
8209	499996.29	3734123.01	0.00081	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8210	500006.11	3734123.03	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
8211	500015.93	3734123.05	0.0008	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
8212	500025.76	3734123.07	0.000794	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
8213	500035.58	3734123.09	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
8214	500045.41	3734123.11	0.000781	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
8215	500055.23	3734123.13	0.000775	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
8216	500065.06	3734123.15	0.000768	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.41E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8217	500074.88	3734123.17	0.00076	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
8218	500084.71	3734123.19	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
8219	500094.53	3734123.2	0.000744	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
8220	500104.35	3734123.22	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
8221	500114.18	3734123.24	0.000727	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
8222	500124	3734123.26	0.000719	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
8223	500133.83	3734123.28	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8224	500143.65	3734123.3	0.0007	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
8225	500153.48	3734123.32	0.000691	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
8226	500163.3	3734123.34	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8227	500173.13	3734123.36	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8228	500182.95	3734123.38	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
8229	499768.95	3734125.18	0.000777	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
8230	499759.98	3734121.42	0.000775	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
8231	499751	3734117.67	0.000773	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	1.43E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
8232	499742.03	3734113.91	0.000771	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
8233	499733.06	3734110.16	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8234	499724.09	3734106.4	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8235	499715.12	3734102.64	0.000761	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04	1.40E-03	0.00E+00	0.00E+00	1.15E-04	2.44E-04	0.00E+00	0.00E+00
8236	499706.15	3734098.89	0.000756	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8237	499697.17	3734095.13	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
8238	499688.2	3734091.38	0.000746	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8239	499679.23	3734087.62	0.000741	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
8240	499670.26	3734083.86	0.000735	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.35E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
8241	499661.29	3734080.11	0.000728	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
8242	499652.31	3734076.35	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8243	499643.34	3734072.6	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8244	499634.37	3734068.84	0.000706	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
8245	499625.4	3734065.08	0.000698	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
8246	499616.43	3734061.33	0.00069	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
8247	499607.46	3734057.57	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8248	499598.48	3734053.82	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8249	499589.51	3734050.06	0.000663	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
8250	499580.54	3734046.3	0.000653	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.84E-05	2.10E-04	0.00E+00	0.00E+00
8251	499571.57	3734042.55	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
8252	499562.6	3734038.79	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
8253	499553.63	3734035.04	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.00E-04	0.00E+00	0.00E+00
8254	499544.65	3734031.28	0.000614	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
8255	499535.68	3734027.52	0.000604	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
8256	499526.71	3734023.77	0.000594	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8257	499517.74	3734020.01	0.000583	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8258	499508.77	3734016.26	0.000573	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.06E-03	0.00E+00	0.00E+00	8.63E-05	1.84E-04	0.00E+00	0.00E+00
8259	499499.79	3734012.5	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
8260	499490.82	3734008.75	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8261	499481.85	3734004.99	0.000542	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.98E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
8262	499472.88	3734001.23	0.000531	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.79E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
8263	499463.91	3733997.48	0.000521	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.60E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8264	499454.94	3733993.72	0.000511	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.41E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8265	499445.96	3733989.97	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8266	499436.99	3733986.21	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8267	499428.02	3733982.45	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
8268	499415.39	3733969.68	0.000467	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8269	499411.74	3733960.67	0.000463	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
8270	499408.08	3733951.66	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
8271	499404.43	3733942.65	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
8272	499400.77	3733933.63	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
8273	499320.34	3733735.35	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
8274	499316.69	3733726.33	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
8275	499313.03	3733717.32	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
8276	499287.44	3733654.23	0.000307	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
8277	499283.79	3733645.22	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
8278	499280.13	3733636.2	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
8279	499276.47	3733627.19	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
8280	499272.82	3733618.18	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
8281	499269.16	3733609.16	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
8282	499265.51	3733600.15	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
8283	499250.88	3733564.1	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
8284	499243.57	3733546.07	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00

8285	499858.66	3734162.74	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
8286	499868.49	3734162.76	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8287	499878.31	3734162.78	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8288	499888.14	3734162.8	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8289	499897.96	3734162.82	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.16E-04	2.46E-04	0.00E+00	0.00E+00
8290	499907.79	3734162.84	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8291	499917.61	3734162.86	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8292	499927.44	3734162.87	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8293	499937.26	3734162.89	0.000764	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
8294	499947.08	3734162.91	0.000762	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	1.40E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
8295	499956.91	3734162.93	0.00076	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
8296	499966.73	3734162.95	0.000757	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8297	499976.56	3734162.97	0.000754	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
8298	499986.38	3734162.99	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
8299	499996.21	3734163.01	0.000746	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8300	500006.03	3734163.03	0.000742	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
8301	500015.86	3734163.05	0.000737	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
8302	500025.68	3734163.07	0.000732	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
8303	500035.5	3734163.09	0.000727	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8304	500045.33	3734163.11	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8305	500055.15	3734163.13	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
8306	500064.98	3734163.15	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8307	500074.8	3734163.17	0.000702	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
8308	500084.63	3734163.19	0.000695	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
8309	500094.45	3734163.2	0.000688	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
8310	500104.28	3734163.22	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8311	500114.1	3734163.24	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8312	500123.92	3734163.26	0.000666	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
8313	500133.75	3734163.28	0.000658	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
8314	500143.57	3734163.3	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
8315	500153.4	3734163.32	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
8316	500163.22	3734163.34	0.000633	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
8317	500173.05	3734163.36	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
8318	500182.87	3734163.38	0.000616	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
8319	499849.59	3734198.97	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8320	499840.59	3734195.2	0.000716	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
8321	499831.59	3734191.44	0.000718	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
8322	499822.59	3734187.67	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.31E-04	0.00E+00	0.00E+00
8323	499813.59	3734183.9	0.000723	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8324	499804.59	3734180.13	0.000724	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8325	499795.59	3734176.37	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8326	499786.59	3734172.6	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8327	499777.59	3734168.83	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8328	499768.59	3734165.06	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8329	499759.59	3734161.3	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8330	499669.59	3734123.62	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
8331	499660.6	3734119.85	0.000689	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
8332	499651.6	3734116.08	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8333	499642.6	3734112.32	0.000677	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8334	499633.6	3734108.55	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8335	499624.6	3734104.78	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
8336	499615.6	3734101.01	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
8337	499606.6	3734097.25	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
8338	499597.6	3734093.48	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.67E-05	2.06E-04	0.00E+00	0.00E+00
8339	499588.6	3734089.71	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
8340	499579.6	3734085.94	0.000627	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
8341	499570.6	3734082.18	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
8342	499561.6	3734078.41	0.00061	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
8343	499552.6	3734074.64	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
8344	499543.6	3734070.87	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
8345	499534.6	3734067.11	0.000583	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8346	499525.6	3734063.34	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
8347	499516.6	3734059.57	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
8348	499507.6	3734055.8	0.000556	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.02E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
8349	499498.6	3734052.04	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
8350	499489.6	3734048.27	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
8351	499480.6	3734044.5	0.000528	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.73E-04	0.00E+00	0.00E+00	7.95E-05	1.70E-04	0.00E+00	0.00E+00
8352	499471.6	3734040.73	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
8353	499462.6	3734036.96	0.000509	9.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.39E-04	0.00E+00	0.00E+00	7.67E-05	1.64E-04	0.00E+00	0.00E+00
8354	499453.6	3734033.2	0.0005	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.21E-04	0.00E+00	0.00E+00	7.52E-05	1.61E-04	0.00E+00	0.00E+00
8355	499444.61	3734029.43	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8356	499435.61	3734025.66	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
8357	499426.61	3734021.89	0.000472	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
8358	499417.61	3734018.13	0.000462	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
8359	499408.61	3734014.36	0.000453	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.36E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
8360	499399.61	3734010.59	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
8361	499353.94	3733916.41	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
8362	499350.27	3733907.37	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
8363	499346.6	3733898.33	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
8364	499342.94	3733889.29	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
8365	499284.26	3733744.64	0.000319	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
8366	499280.59	3733735.59	0.000314	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
8367	499258.59	3733681.35	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
8368	499254.92	3733672.31	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
8369	499251.26	3733663.27	0.00028	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
8370	499247.59	3733654.23	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
8371	499243.92	3733645.18	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
8372	499240.26	3733636.14	0.000268	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
8373	499236.59	3733627.1	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.98E-05	8.50E-05	0.00E+00	0.00E+00
8374	499203.58	3733545.73	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
8375	499858.59	3734202.74	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8376	499868.41	3734202.76	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8377	499878.23	3734202.78	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8378	499888.06	3734202.8	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8379	499897.88	3734202.82	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8380	499907.71	3734202.84	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8381	499917.53	3734202.86	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8382	499927.36	3734202.87	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8383	499937.18	3734202.89	0.000707	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
8384	499947.01	3734202.91	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
8385	499956.83	3734202.93	0.000703	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
8386	499966.65	3734202.95	0.0007	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
8387	499976.48	3734202.97	0.000697	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
8388	499986.3	3734202.99	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
8389	499996.13	3734203.01	0.00069	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
8390	500005.95	3734203.03	0.000686	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
8391	500015.78	3734203.05	0.000682	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8392	500025.6	3734203.07	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8393	500035.43	3734203.09	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8394	500045.25	3734203.11	0.000668	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
8395	500055.07	3734203.13	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
8396	500064.9	3734203.15	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00

8397	500074.72	3734203.17	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.80E-05	2.09E-04	0.00E+00	0.00E+00
8398	500084.55	3734203.19	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
8399	500094.37	3734203.2	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.61E-05	2.05E-04	0.00E+00	0.00E+00
8400	500104.2	3734203.22	0.000632	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.17E-03	0.00E+00	0.00E+00	9.52E-05	2.03E-04	0.00E+00	0.00E+00
8401	500114.02	3734203.24	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.42E-05	2.01E-04	0.00E+00	0.00E+00
8402	500123.85	3734203.26	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
8403	500133.67	3734203.28	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.96E-04	0.00E+00	0.00E+00
8404	500143.49	3734203.3	0.000605	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.11E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
8405	500153.32	3734203.32	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
8406	500163.14	3734203.34	0.00059	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.89E-05	1.90E-04	0.00E+00	0.00E+00
8407	500172.97	3734203.36	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8408	500182.79	3734203.38	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.67E-05	1.85E-04	0.00E+00	0.00E+00
8409	499849.48	3734238.96	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
8410	499840.46	3734235.18	0.000667	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
8411	499831.43	3734231.4	0.00067	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8412	499822.41	3734227.63	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8413	499813.39	3734223.85	0.000675	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8414	499804.36	3734220.07	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8415	499795.34	3734216.29	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8416	499786.31	3734212.51	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8417	499777.29	3734208.74	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8418	499768.26	3734204.96	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8419	499759.24	3734201.18	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8420	499750.21	3734197.4	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8421	499741.19	3734193.63	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8422	499732.17	3734189.85	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8423	499723.14	3734186.07	0.000675	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8424	499714.12	3734182.29	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8425	499705.09	3734178.51	0.00067	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8426	499696.07	3734174.74	0.000667	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
8427	499687.04	3734170.96	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
8428	499678.02	3734167.18	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
8429	499669	3734163.4	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
8430	499569.73	3734121.84	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.90E-04	0.00E+00	0.00E+00
8431	499560.7	3734118.07	0.000586	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.08E-03	0.00E+00	0.00E+00	8.82E-05	1.88E-04	0.00E+00	0.00E+00
8432	499551.68	3734114.29	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8433	499542.65	3734110.51	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
8434	499533.63	3734106.73	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
8435	499524.61	3734102.95	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
8436	499515.58	3734099.18	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
8437	499506.56	3734095.4	0.000539	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
8438	499497.53	3734091.62	0.00053	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8439	499488.51	3734087.84	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
8440	499479.48	3734084.06	0.000514	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
8441	499470.46	3734080.29	0.000505	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.31E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8442	499461.43	3734076.51	0.000497	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.48E-05	1.60E-04	0.00E+00	0.00E+00
8443	499452.41	3734072.73	0.000488	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
8444	499443.39	3734068.95	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
8445	499434.36	3734065.17	0.000471	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
8446	499425.34	3734061.4	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
8447	499416.31	3734057.62	0.000454	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.37E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
8448	499407.29	3734053.84	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
8449	499398.26	3734050.06	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
8450	499358.49	3734025.88	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
8451	499354.81	3734016.82	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
8452	499351.13	3734007.75	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
8453	499347.46	3733998.69	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
8454	499343.78	3733989.62	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
8455	499340.1	3733980.56	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
8456	499321.72	3733935.23	0.00037	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
8457	499318.04	3733926.16	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
8458	499314.36	3733917.09	0.000363	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
8459	499310.69	3733908.03	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
8460	499307.01	3733898.96	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
8461	499303.33	3733889.9	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
8462	499229.79	3733708.58	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
8463	499226.11	3733699.51	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
8464	499222.43	3733690.45	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
8465	499218.75	3733681.38	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.37E-05	0.00E+00	0.00E+00
8466	499215.08	3733672.31	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
8467	499211.4	3733663.25	0.000254	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
8468	499207.72	3733654.18	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.76E-05	8.03E-05	0.00E+00	0.00E+00
8469	499204.05	3733645.12	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
8470	499167.27	3733554.46	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
8471	499858.51	3734242.74	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
8472	499868.33	3734242.76	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
8473	499878.16	3734242.78	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.13E-04	0.00E+00	0.00E+00
8474	499887.98	3734242.8	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.13E-04	0.00E+00	0.00E+00
8475	499897.8	3734242.82	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
8476	499907.63	3734242.84	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
8477	499917.45	3734242.86	0.00066	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
8478	499927.28	3734242.87	0.000659	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
8479	499937.1	3734242.89	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
8480	499946.93	3734242.91	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
8481	499956.75	3734242.93	0.000653	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.83E-05	2.10E-04	0.00E+00	0.00E+00
8482	499966.58	3734242.95	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
8483	499976.4	3734242.97	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.75E-05	2.08E-04	0.00E+00	0.00E+00
8484	499986.22	3734242.99	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
8485	499996.05	3734243.01	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
8486	500005.87	3734243.03	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8487	500015.7	3734243.05	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.54E-05	2.04E-04	0.00E+00	0.00E+00
8488	500025.52	3734243.07	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
8489	500035.35	3734243.09	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
8490	500045.17	3734243.11	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
8491	500055	3734243.13	0.000616	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.13E-03	0.00E+00	0.00E+00	9.27E-05	1.98E-04	0.00E+00	0.00E+00
8492	500064.82	3734243.15	0.000611	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
8493	500074.64	3734243.17	0.000605	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.94E-04	0.00E+00	0.00E+00
8494	500084.47	3734243.19	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8495	500094.29	3734243.2	0.000595	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.95E-05	1.91E-04	0.00E+00	0.00E+00
8496	500104.12	3734243.22	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
8497	500113.94	3734243.24	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8498	500123.77	3734243.26	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
8499	500133.59	3734243.28	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
8500	500143.41	3734243.3	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
8501	500153.24	3734243.32	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
8502	500163.06	3734243.34	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8503	500172.89	3734243.36	0.000545	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
8504	500182.71	3734243.38	0.000539	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
8505	499849.38	3734278.95	0.000621	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	1.14E-03	0.00E+00	0.00E+00	9.35E-05	1.99E-04	0.00E+00	0.00E+00
8506	499840.33	3734275.16	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.39E-05	2.00E-04	0.00E+00	0.00E+00
8507	499831.29	3734271.38	0.000627	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
8508	499822.24	3734267.59	0.000629	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.16E-03	0.00E+00	0.00E+00	9.47E-05	2.02E-04	0.00E+00	0.00E+00

8509	499813.19	3734263.8	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
8510	499804.15	3734260.01	0.000633	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
8511	499795.1	3734256.23	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
8512	499786.06	3734252.44	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.57E-05	2.04E-04	0.00E+00	0.00E+00
8513	499777.01	3734248.65	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
8514	499767.96	3734244.87	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8515	499758.92	3734241.08	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8516	499749.87	3734237.29	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8517	499740.82	3734233.5	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
8518	499731.78	3734229.72	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
8519	499722.73	3734225.93	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
8520	499713.68	3734222.14	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.54E-05	2.04E-04	0.00E+00	0.00E+00
8521	499704.64	3734218.35	0.000632	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.17E-03	0.00E+00	0.00E+00	9.52E-05	2.03E-04	0.00E+00	0.00E+00
8522	499695.59	3734214.57	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.49E-05	2.02E-04	0.00E+00	0.00E+00
8523	499686.54	3734210.78	0.000628	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.16E-03	0.00E+00	0.00E+00	9.45E-05	2.02E-04	0.00E+00	0.00E+00
8524	499677.5	3734206.99	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
8525	499668.45	3734203.21	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.36E-05	2.00E-04	0.00E+00	0.00E+00
8526	499659.4	3734199.42	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
8527	499650.36	3734195.63	0.000615	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
8528	499641.31	3734191.84	0.000611	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
8529	499632.26	3734188.06	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
8530	499623.22	3734184.27	0.000602	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.06E-05	1.93E-04	0.00E+00	0.00E+00
8531	499614.17	3734180.48	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
8532	499605.12	3734176.69	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8533	499596.08	3734172.91	0.000586	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
8534	499587.03	3734169.12	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.86E-04	0.00E+00	0.00E+00
8535	499577.98	3734165.33	0.000575	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.85E-04	0.00E+00	0.00E+00
8536	499568.94	3734161.55	0.000569	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
8537	499478.47	3734123.67	0.000499	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
8538	499469.42	3734119.89	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8539	499460.38	3734116.1	0.000484	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.92E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
8540	499451.33	3734112.31	0.000476	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
8541	499442.28	3734108.52	0.000468	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.64E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
8542	499433.24	3734104.74	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
8543	499424.19	3734100.95	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
8544	499415.14	3734097.16	0.000445	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
8545	499406.1	3734093.37	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
8546	499360.86	3734074.44	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
8547	499351.82	3734070.65	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
8548	499342.77	3734066.86	0.000385	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
8549	499330.04	3734053.99	0.000375	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
8550	499326.35	3734044.9	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
8551	499322.67	3734035.81	0.00037	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
8552	499318.98	3734026.72	0.000367	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
8553	499315.29	3734017.64	0.000364	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
8554	499293.18	3733963.11	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
8555	499289.49	3733954.02	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
8556	499285.8	3733944.93	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
8557	499282.12	3733935.84	0.000336	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
8558	499278.43	3733926.75	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
8559	499274.74	3733917.67	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
8560	499271.06	3733908.58	0.000325	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
8561	499197.33	3733726.81	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
8562	499193.65	3733717.72	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.76E-05	8.03E-05	0.00E+00	0.00E+00
8563	499189.96	3733708.64	0.000247	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
8564	499186.27	3733699.55	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
8565	499182.59	3733690.46	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
8566	499178.9	3733681.37	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
8567	499175.22	3733672.28	0.000234	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
8568	499160.47	3733635.93	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
8569	499127.29	3733554.14	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
8570	499123.61	3733545.05	0.000193	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
8571	499858.43	3734282.74	0.000617	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8572	499868.25	3734282.76	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8573	499878.08	3734282.78	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8574	499887.9	3734282.8	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8575	499897.73	3734282.82	0.000617	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.29E-05	1.98E-04	0.00E+00	0.00E+00
8576	499907.55	3734282.84	0.000616	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
8577	499917.37	3734282.86	0.000615	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.26E-05	1.98E-04	0.00E+00	0.00E+00
8578	499927.2	3734282.87	0.000614	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
8579	499937.02	3734282.89	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
8580	499946.85	3734282.91	0.000611	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
8581	499956.67	3734282.93	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
8582	499966.5	3734282.95	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.95E-04	0.00E+00	0.00E+00
8583	499976.32	3734282.97	0.000603	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
8584	499986.15	3734282.99	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.04E-05	1.93E-04	0.00E+00	0.00E+00
8585	499995.97	3734283.01	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
8586	500005.79	3734283.03	0.000594	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.10E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8587	500015.62	3734283.05	0.000591	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.89E-05	1.90E-04	0.00E+00	0.00E+00
8588	500025.44	3734283.07	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
8589	500035.27	3734283.09	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.77E-05	1.87E-04	0.00E+00	0.00E+00
8590	500045.09	3734283.11	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8591	500054.92	3734283.13	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
8592	500064.74	3734283.15	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
8593	500074.56	3734283.17	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.81E-04	0.00E+00	0.00E+00
8594	500084.39	3734283.19	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
8595	500094.21	3734283.2	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
8596	500104.04	3734283.22	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.29E-05	1.77E-04	0.00E+00	0.00E+00
8597	500113.86	3734283.24	0.000545	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
8598	500123.69	3734283.26	0.00054	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.95E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00
8599	500133.51	3734283.28	0.000534	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.85E-04	0.00E+00	0.00E+00	8.04E-05	1.72E-04	0.00E+00	0.00E+00
8600	500143.34	3734283.3	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8601	500153.16	3734283.32	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8602	500162.98	3734283.34	0.000517	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.54E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
8603	500172.81	3734283.36	0.000512	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.43E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
8604	500182.63	3734283.38	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.62E-05	1.62E-04	0.00E+00	0.00E+00
8605	499849.43	3734319	0.000582	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	1.07E-03	0.00E+00	0.00E+00	8.76E-05	1.87E-04	0.00E+00	0.00E+00
8606	499840.51	3734315.27	0.000584	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
8607	499831.59	3734311.54	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
8608	499822.67	3734307.8	0.00059	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.88E-05	1.89E-04	0.00E+00	0.00E+00
8609	499813.75	3734304.07	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8610	499804.83	3734300.33	0.000594	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8611	499795.91	3734296.6	0.000596	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
8612	499786.99	3734292.86	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
8613	499778.07	3734289.13	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
8614	499769.14	3734285.39	0.000599	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
8615	499760.22	3734281.66	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8616	499751.3	3734277.93	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8617	499742.38	3734274.19	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8618	499733.46	3734270.46	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8619	499724.54	3734266.72	0.000599	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
8620	499715.62	3734262.99	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00

8621	499706.7	3734259.25	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
8622	499697.78	3734255.52	0.000596	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
8623	499688.86	3734251.78	0.000594	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.10E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8624	499679.94	3734248.05	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8625	499671.02	3734244.32	0.00059	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.88E-05	1.89E-04	0.00E+00	0.00E+00
8626	499662.1	3734240.58	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
8627	499653.18	3734236.85	0.000584	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
8628	499644.26	3734233.11	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.75E-05	1.87E-04	0.00E+00	0.00E+00
8629	499635.34	3734229.38	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
8630	499626.42	3734225.64	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
8631	499617.5	3734221.91	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
8632	499608.58	3734218.17	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
8633	499599.66	3734214.44	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.81E-04	0.00E+00	0.00E+00
8634	499590.74	3734210.71	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
8635	499581.82	3734206.97	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
8636	499572.9	3734203.24	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
8637	499563.98	3734199.5	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.17E-05	1.74E-04	0.00E+00	0.00E+00
8638	499555.05	3734195.77	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
8639	499546.13	3734192.03	0.000532	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
8640	499537.21	3734188.3	0.000526	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.69E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
8641	499528.29	3734184.56	0.00052	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
8642	499519.37	3734180.83	0.000514	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
8643	499510.45	3734177.1	0.000508	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
8644	499501.53	3734173.36	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8645	499492.61	3734169.63	0.000495	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.13E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
8646	499483.69	3734165.89	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
8647	499474.77	3734162.16	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
8648	499358.81	3734113.61	0.000393	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
8649	499349.89	3734109.88	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
8650	499340.97	3734106.14	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
8651	499332.04	3734102.41	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
8652	499323.12	3734098.67	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
8653	499314.2	3734094.94	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
8654	499301.65	3734082.24	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
8655	499298.01	3734073.28	0.000348	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
8656	499294.38	3734064.32	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
8657	499290.74	3734055.36	0.000343	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
8658	499287.11	3734046.4	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
8659	499283.47	3734037.43	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
8660	499279.84	3734028.47	0.000336	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
8661	499258.03	3733974.7	0.000318	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
8662	499254.4	3733965.74	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
8663	499250.76	3733956.78	0.000312	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
8664	499247.13	3733947.82	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
8665	499243.49	3733938.86	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
8666	499239.86	3733929.9	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
8667	499218.05	3733876.13	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
8668	499214.41	3733867.17	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
8669	499210.78	3733858.21	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
8670	499163.52	3733741.71	0.000235	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
8671	499159.89	3733732.75	0.000232	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
8672	499156.25	3733723.78	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00
8673	499152.62	3733714.82	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
8674	499148.98	3733705.86	0.000224	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
8675	499127.18	3733652.09	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
8676	499119.91	3733634.17	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
8677	499083.56	3733544.55	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
8678	499858.35	3734322.74	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8679	499868.17	3734322.76	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8680	499878	3734322.78	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8681	499887.82	3734322.8	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
8682	499897.65	3734322.82	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
8683	499907.47	3734322.84	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
8684	499917.3	3734322.85	0.000575	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.66E-05	1.85E-04	0.00E+00	0.00E+00
8685	499927.12	3734322.87	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.64E-05	1.84E-04	0.00E+00	0.00E+00
8686	499936.94	3734322.89	0.000572	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.06E-03	0.00E+00	0.00E+00	8.62E-05	1.84E-04	0.00E+00	0.00E+00
8687	499946.77	3734322.91	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
8688	499956.59	3734322.93	0.000569	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
8689	499966.42	3734322.95	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
8690	499976.24	3734322.97	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
8691	499986.07	3734322.99	0.000561	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.45E-05	1.80E-04	0.00E+00	0.00E+00
8692	499995.89	3734323.01	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
8693	500005.72	3734323.03	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
8694	500015.54	3734323.05	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8695	500025.36	3734323.07	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.26E-05	1.76E-04	0.00E+00	0.00E+00
8696	500035.19	3734323.09	0.000545	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
8697	500045.01	3734323.11	0.000541	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.97E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
8698	500054.84	3734323.13	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
8699	500064.66	3734323.15	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8700	500074.49	3734323.17	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8701	500084.31	3734323.18	0.000525	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.69E-04	0.00E+00	0.00E+00
8702	500094.13	3734323.2	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
8703	500103.96	3734323.22	0.000516	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.76E-05	1.66E-04	0.00E+00	0.00E+00
8704	500113.78	3734323.24	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8705	500123.61	3734323.26	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8706	500133.43	3734323.28	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8707	500143.26	3734323.3	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
8708	500153.08	3734323.32	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8709	500162.91	3734323.34	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8710	500172.73	3734323.36	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
8711	500182.55	3734323.38	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
8712	499849.32	3734358.99	0.000546	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.22E-05	1.75E-04	0.00E+00	0.00E+00
8713	499840.38	3734355.25	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
8714	499831.43	3734351.5	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8715	499822.49	3734347.76	0.000554	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.34E-05	1.78E-04	0.00E+00	0.00E+00
8716	499813.54	3734344.01	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
8717	499804.6	3734340.27	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
8718	499795.65	3734336.53	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.43E-05	1.80E-04	0.00E+00	0.00E+00
8719	499786.71	3734332.78	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
8720	499777.76	3734329.04	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
8721	499768.82	3734325.29	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
8722	499759.87	3734321.55	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
8723	499750.93	3734317.8	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
8724	499741.98	3734314.06	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8725	499733.04	3734310.31	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8726	499724.09	3734306.57	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8727	499715.15	3734302.82	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
8728	499706.2	3734299.08	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
8729	499697.26	3734295.33	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
8730	499688.31	3734291.59	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
8731	499679.37	3734287.84	0.000561	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
8732	499670.42	3734284.1	0.000559	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.42E-05	1.80E-04	0.00E+00	0.00E+00

8733	499661.48	3734280.35	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
8734	499652.53	3734276.61	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
8735	499643.59	3734272.86	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
8736	499634.64	3734269.12	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
8737	499625.7	3734265.37	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
8738	499616.75	3734261.63	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.75E-04	0.00E+00	0.00E+00
8739	499607.81	3734257.89	0.00054	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00
8740	499598.86	3734254.14	0.000537	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
8741	499589.92	3734250.4	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
8742	499580.97	3734246.65	0.000529	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8743	499572.03	3734242.91	0.000524	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.68E-04	0.00E+00	0.00E+00
8744	499563.08	3734239.16	0.00052	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
8745	499554.14	3734235.42	0.000515	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.50E-04	0.00E+00	0.00E+00	7.76E-05	1.65E-04	0.00E+00	0.00E+00
8746	499545.19	3734231.67	0.000511	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.41E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8747	499536.25	3734227.93	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8748	499527.3	3734224.18	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8749	499518.36	3734220.44	0.000495	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.13E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
8750	499509.41	3734216.69	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
8751	499500.47	3734212.95	0.000484	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
8752	499491.52	3734209.2	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
8753	499482.58	3734205.46	0.000473	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.72E-04	0.00E+00	0.00E+00	7.12E-05	1.52E-04	0.00E+00	0.00E+00
8754	499473.63	3734201.71	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8755	499464.69	3734197.97	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
8756	499455.74	3734194.22	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
8757	499446.8	3734190.48	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.76E-05	1.44E-04	0.00E+00	0.00E+00
8758	499437.85	3734186.73	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
8759	499428.91	3734182.99	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
8760	499419.96	3734179.25	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
8761	499411.02	3734175.5	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
8762	499285.79	3734123.07	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
8763	499273.2	3734110.34	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
8764	499262.26	3734083.38	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
8765	499258.62	3734074.4	0.00032	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
8766	499254.97	3734065.41	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
8767	499251.33	3734056.43	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
8768	499247.68	3734047.44	0.000312	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
8769	499244.04	3734038.45	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.95E-05	0.00E+00	0.00E+00
8770	499222.17	3733984.54	0.000293	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.42E-05	0.00E+00	0.00E+00
8771	499218.52	3733975.55	0.000291	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.33E-05	0.00E+00	0.00E+00
8772	499214.88	3733966.56	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
8773	499211.23	3733957.58	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
8774	499207.59	3733948.59	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
8775	499203.94	3733939.61	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
8776	499200.3	3733930.62	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.86E-05	0.00E+00	0.00E+00
8777	499182.08	3733885.69	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
8778	499178.43	3733876.7	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
8779	499174.79	3733867.72	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
8780	499171.14	3733858.73	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
8781	499123.76	3733741.91	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
8782	499120.11	3733732.92	0.000213	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
8783	499116.47	3733723.94	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
8784	499094.6	3733670.02	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
8785	499090.95	3733661.03	0.000192	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
8786	499087.31	3733652.05	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
8787	499043.57	3733544.21	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.28E-05	0.00E+00	0.00E+00
8788	499858.27	3734362.74	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
8789	499868.09	3734362.76	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
8790	499877.92	3734362.78	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.17E-05	1.74E-04	0.00E+00	0.00E+00
8791	499887.74	3734362.8	0.000542	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	1.00E-03	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
8792	499897.57	3734362.82	0.000542	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
8793	499907.39	3734362.84	0.000541	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.96E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
8794	499917.22	3734362.85	0.000539	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
8795	499927.04	3734362.87	0.000538	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.92E-04	0.00E+00	0.00E+00	8.10E-05	1.73E-04	0.00E+00	0.00E+00
8796	499936.87	3734362.89	0.000537	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
8797	499946.69	3734362.91	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8798	499956.51	3734362.93	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
8799	499966.34	3734362.95	0.000531	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8800	499976.16	3734362.97	0.000528	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8801	499985.99	3734362.99	0.000526	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.69E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
8802	499995.81	3734363.01	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8803	500005.64	3734363.03	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8804	500015.46	3734363.05	0.000517	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.54E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
8805	500025.28	3734363.07	0.000514	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
8806	500035.11	3734363.09	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8807	500044.93	3734363.11	0.000508	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
8808	500054.76	3734363.13	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8809	500064.58	3734363.15	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8810	500074.41	3734363.17	0.000497	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.15E-04	0.00E+00	0.00E+00	7.48E-05	1.59E-04	0.00E+00	0.00E+00
8811	500084.23	3734363.18	0.000493	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.08E-04	0.00E+00	0.00E+00	7.42E-05	1.58E-04	0.00E+00	0.00E+00
8812	500094.06	3734363.2	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
8813	500103.88	3734363.22	0.000485	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
8814	500113.7	3734363.24	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
8815	500123.53	3734363.26	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
8816	500133.35	3734363.28	0.000472	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
8817	500143.18	3734363.3	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8818	500153	3734363.32	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
8819	500162.83	3734363.34	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
8820	500172.65	3734363.36	0.000453	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.36E-04	0.00E+00	0.00E+00	6.83E-05	1.46E-04	0.00E+00	0.00E+00
8821	500182.48	3734363.38	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.76E-05	1.44E-04	0.00E+00	0.00E+00
8822	499849.22	3734398.98	0.000514	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
8823	499840.26	3734395.23	0.000517	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.53E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
8824	499831.29	3734391.48	0.000519	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
8825	499822.32	3734387.72	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
8826	499813.35	3734383.97	0.000524	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.66E-04	0.00E+00	0.00E+00	7.89E-05	1.68E-04	0.00E+00	0.00E+00
8827	499804.39	3734380.21	0.000526	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
8828	499795.42	3734376.46	0.000528	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.73E-04	0.00E+00	0.00E+00	7.95E-05	1.70E-04	0.00E+00	0.00E+00
8829	499786.45	3734372.71	0.000529	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
8830	499777.48	3734368.95	0.000531	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.79E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8831	499768.52	3734365.2	0.000532	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.81E-04	0.00E+00	0.00E+00	8.01E-05	1.71E-04	0.00E+00	0.00E+00
8832	499759.55	3734361.44	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8833	499750.58	3734357.69	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.04E-05	1.71E-04	0.00E+00	0.00E+00
8834	499741.61	3734353.93	0.000534	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.85E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8835	499732.65	3734350.18	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8836	499723.68	3734346.43	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8837	499714.71	3734342.67	0.000535	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.85E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8838	499705.74	3734338.92	0.000534	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.85E-04	0.00E+00	0.00E+00	8.04E-05	1.72E-04	0.00E+00	0.00E+00
8839	499696.78	3734335.16	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8840	499687.81	3734331.41	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
8841	499678.84	3734327.66	0.000532	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.01E-05	1.71E-04	0.00E+00	0.00E+00
8842	499669.87	3734323.9	0.000531	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8843	499660.91	3734320.15	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
8844	499651.94	3734316.39	0.000527	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00

8845	499642.97	3734312.64	0.000525	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.68E-04	0.00E+00	0.00E+00	7.91E-05	1.69E-04	0.00E+00	0.00E+00
8846	499634	3734308.88	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8847	499625.04	3734305.13	0.000521	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.60E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8848	499616.07	3734301.38	0.000518	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
8849	499607.1	3734297.62	0.000515	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.50E-04	0.00E+00	0.00E+00	7.76E-05	1.65E-04	0.00E+00	0.00E+00
8850	499598.13	3734293.87	0.000512	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.44E-04	0.00E+00	0.00E+00	7.71E-05	1.65E-04	0.00E+00	0.00E+00
8851	499589.17	3734290.11	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
8852	499580.2	3734286.36	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8853	499571.23	3734282.61	0.000502	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
8854	499562.26	3734278.85	0.000498	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8855	499553.3	3734275.1	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8856	499544.33	3734271.34	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8857	499535.36	3734267.59	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8858	499526.39	3734263.83	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
8859	499517.43	3734260.08	0.000477	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
8860	499508.46	3734256.33	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
8861	499499.49	3734252.57	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
8862	499490.52	3734248.82	0.000462	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
8863	499481.56	3734245.06	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
8864	499472.59	3734241.31	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
8865	499463.62	3734237.56	0.000447	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.24E-04	0.00E+00	0.00E+00	6.73E-05	1.44E-04	0.00E+00	0.00E+00
8866	499454.65	3734233.8	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
8867	499445.69	3734230.05	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
8868	499436.72	3734226.29	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
8869	499427.75	3734222.54	0.000425	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.40E-05	1.36E-04	0.00E+00	0.00E+00
8870	499418.78	3734218.78	0.000419	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.73E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
8871	499409.82	3734215.03	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
8872	499400.85	3734211.28	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
8873	499373.95	3734200.01	0.000391	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
8874	499364.98	3734196.26	0.000385	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
8875	499356.01	3734192.51	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
8876	499347.04	3734188.75	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
8877	499338.08	3734185	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
8878	499329.11	3734181.24	0.000362	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
8879	499320.14	3734177.49	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
8880	499311.17	3734173.73	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
8881	499302.21	3734169.98	0.000344	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
8882	499293.24	3734166.23	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
8883	499230.13	3734102.41	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
8884	499226.48	3734093.4	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
8885	499222.82	3734084.39	0.000296	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.51E-05	0.00E+00	0.00E+00
8886	499219.17	3734075.39	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
8887	499215.51	3734066.38	0.000291	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
8888	499211.86	3734057.37	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
8889	499189.94	3734003.32	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
8890	499186.28	3733994.31	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
8891	499182.63	3733985.3	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
8892	499178.97	3733976.29	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
8893	499175.32	3733967.28	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
8894	499171.67	3733958.27	0.000261	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
8895	499168.01	3733949.26	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
8896	499146.09	3733895.21	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.75E-05	0.00E+00	0.00E+00
8897	499142.43	3733886.2	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
8898	499138.78	3733877.19	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
8899	499135.13	3733868.18	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
8900	499131.47	3733859.18	0.000231	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
8901	499065.7	3733697.02	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
8902	499062.04	3733688.01	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
8903	499058.39	3733679	0.000181	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
8904	499054.74	3733669.99	0.000179	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
8905	499051.08	3733660.98	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
8906	499047.43	3733651.97	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00
8907	499010.89	3733561.89	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.00E-05	0.00E+00	0.00E+00
8908	499003.58	3733543.87	0.000152	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
8909	499858.19	3734402.74	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
8910	499868.02	3734402.76	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8911	499877.84	3734402.78	0.000511	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.41E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8912	499887.66	3734402.8	0.00051	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.40E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
8913	499897.49	3734402.82	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.67E-05	1.64E-04	0.00E+00	0.00E+00
8914	499907.31	3734402.84	0.000508	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.37E-04	0.00E+00	0.00E+00	7.65E-05	1.63E-04	0.00E+00	0.00E+00
8915	499917.14	3734402.85	0.000507	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
8916	499926.96	3734402.87	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8917	499936.79	3734402.89	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8918	499946.61	3734402.91	0.000502	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.26E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8919	499956.43	3734402.93	0.000501	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
8920	499966.26	3734402.95	0.000499	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
8921	499976.08	3734402.97	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
8922	499985.91	3734402.99	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8923	499995.73	3734403.01	0.000492	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8924	500005.56	3734403.03	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
8925	500015.38	3734403.05	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8926	500025.21	3734403.07	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
8927	500035.03	3734403.09	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
8928	500044.85	3734403.11	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
8929	500054.68	3734403.13	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
8930	500064.5	3734403.15	0.000471	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.67E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
8931	500074.33	3734403.17	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8932	500084.15	3734403.18	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
8933	500093.98	3734403.2	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
8934	500103.8	3734403.22	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
8935	500113.63	3734403.24	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
8936	500123.45	3734403.26	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
8937	500133.27	3734403.28	0.000445	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
8938	500143.1	3734403.3	0.000441	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.42E-04	0.00E+00	0.00E+00
8939	500152.92	3734403.32	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
8940	500162.75	3734403.34	0.000432	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
8941	500172.57	3734403.36	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
8942	500182.4	3734403.38	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
8943	499849.12	3734438.98	0.000485	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
8944	499840.14	3734435.21	0.000488	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	8.99E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
8945	499831.15	3734431.45	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8946	499822.16	3734427.69	0.000492	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.08E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
8947	499813.17	3734423.92	0.000495	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
8948	499804.18	3734420.16	0.000497	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.15E-04	0.00E+00	0.00E+00	7.48E-05	1.59E-04	0.00E+00	0.00E+00
8949	499795.2	3734416.4	0.000498	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.19E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8950	499786.21	3734412.64	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8951	499777.22	3734408.87	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8952	499768.23	3734405.11	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8953	499759.24	3734401.35	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8954	499750.26	3734397.59	0.000505	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
8955	499741.27	3734393.82	0.000505	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8956	499732.28	3734390.06	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00

8957	499723.29	3734386.3	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8958	499714.3	3734382.53	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8959	499705.31	3734378.77	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8960	499696.33	3734375.01	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8961	499687.34	3734371.25	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8962	499678.35	3734367.48	0.000505	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.31E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
8963	499669.36	3734363.72	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8964	499660.37	3734359.96	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8965	499651.39	3734356.19	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8966	499642.4	3734352.43	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8967	499633.41	3734348.67	0.000498	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8968	499624.42	3734344.91	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
8969	499615.43	3734341.14	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8970	499606.45	3734337.38	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
8971	499597.46	3734333.62	0.000489	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
8972	499588.47	3734329.86	0.000487	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
8973	499579.48	3734326.09	0.000484	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.92E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
8974	499570.49	3734322.33	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
8975	499561.51	3734318.57	0.000478	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
8976	499552.52	3734314.8	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
8977	499543.53	3734311.04	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
8978	499534.54	3734307.28	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8979	499525.55	3734303.52	0.000463	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
8980	499516.57	3734299.75	0.000459	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.46E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
8981	499507.58	3734295.99	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
8982	499498.59	3734292.23	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
8983	499489.6	3734288.46	0.000446	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.23E-04	0.00E+00	0.00E+00	6.72E-05	1.43E-04	0.00E+00	0.00E+00
8984	499480.61	3734284.7	0.000442	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.15E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
8985	499471.63	3734280.94	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
8986	499462.64	3734277.18	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
8987	499453.65	3734273.41	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
8988	499444.66	3734269.65	0.000423	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.80E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
8989	499435.67	3734265.89	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
8990	499426.68	3734262.13	0.000413	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
8991	499417.7	3734258.36	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
8992	499408.71	3734254.6	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
8993	499372.76	3734239.55	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
8994	499363.77	3734235.79	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
8995	499354.78	3734232.02	0.000371	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
8996	499345.79	3734228.26	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
8997	499336.8	3734224.5	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
8998	499327.82	3734220.74	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
8999	499318.83	3734216.97	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9000	499309.84	3734213.21	0.000345	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
9001	499300.85	3734209.45	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9002	499291.86	3734205.68	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
9003	499282.88	3734201.92	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
9004	499273.89	3734198.16	0.000323	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
9005	499264.9	3734194.4	0.000318	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
9006	499255.91	3734190.63	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.01E-04	0.00E+00	0.00E+00
9007	499246.92	3734186.87	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
9008	499237.94	3734183.11	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
9009	499228.95	3734179.34	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
9010	499216.3	3734166.55	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
9011	499194.32	3734112.38	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
9012	499190.66	3734103.35	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
9013	499187	3734094.32	0.000275	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.14E-05	8.82E-05	0.00E+00	0.00E+00
9014	499183.34	3734085.29	0.000273	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
9015	499179.67	3734076.26	0.00027	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
9016	499176.01	3734067.23	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
9017	499157.7	3734022.08	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
9018	499154.04	3734013.05	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
9019	499150.37	3734004.02	0.000251	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
9020	499146.71	3733994.99	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
9021	499143.05	3733985.96	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
9022	499139.39	3733976.93	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
9023	499135.72	3733967.91	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.75E-05	0.00E+00	0.00E+00
9024	499113.75	3733913.73	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
9025	499110.09	3733904.7	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
9026	499106.42	3733895.67	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
9027	499102.76	3733886.64	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
9028	499099.1	3733877.61	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
9029	499095.44	3733868.58	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
9030	499091.77	3733859.55	0.000212	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
9031	499029.51	3733706.05	0.000174	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
9032	499025.85	3733697.02	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
9033	499022.19	3733687.99	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
9034	499018.53	3733678.96	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
9035	499014.86	3733669.93	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
9036	498978.24	3733579.64	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
9037	498970.92	3733561.58	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
9038	498967.25	3733552.55	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
9039	498963.59	3733543.52	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
9040	499858.11	3734442.74	0.000482	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
9041	499867.94	3734442.76	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9042	499877.76	3734442.78	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9043	499887.58	3734442.8	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
9044	499897.41	3734442.82	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
9045	499907.23	3734442.84	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
9046	499917.06	3734442.85	0.000478	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
9047	499926.88	3734442.87	0.000476	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
9048	499936.71	3734442.89	0.000475	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
9049	499946.53	3734442.91	0.000473	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.72E-04	0.00E+00	0.00E+00	7.12E-05	1.52E-04	0.00E+00	0.00E+00
9050	499956.36	3734442.93	0.000471	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
9051	499966.18	3734442.95	0.00047	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.65E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
9052	499976	3734442.97	0.000468	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
9053	499985.83	3734442.99	0.000465	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.49E-04	0.00E+00	0.00E+00
9054	499995.65	3734443.01	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
9055	500005.48	3734443.03	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9056	500015.3	3734443.05	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
9057	500025.13	3734443.07	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
9058	500034.95	3734443.09	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
9059	500044.78	3734443.11	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
9060	500054.6	3734443.13	0.000447	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.23E-04	0.00E+00	0.00E+00	6.73E-05	1.43E-04	0.00E+00	0.00E+00
9061	500064.42	3734443.15	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
9062	500074.25	3734443.17	0.000441	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
9063	500084.07	3734443.18	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
9064	500093.9	3734443.2	0.000434	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
9065	500103.72	3734443.22	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
9066	500113.55	3734443.24	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9067	500123.37	3734443.26	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
9068	500133.2	3734443.28	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00

9069	500143.02	3734443.3	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
9070	500152.84	3734443.32	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9071	500162.67	3734443.34	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
9072	500172.49	3734443.36	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9073	500182.32	3734443.38	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9074	499849.08	3734474.7	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9075	499840.11	3734470.95	0.000464	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
9076	499831.14	3734467.19	0.000466	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.59E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00
9077	499822.18	3734463.44	0.000468	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
9078	499813.21	3734459.69	0.00047	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
9079	499804.25	3734455.93	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
9080	499795.28	3734452.18	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
9081	499786.31	3734448.42	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
9082	499777.35	3734444.67	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
9083	499768.38	3734440.92	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
9084	499759.42	3734437.16	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
9085	499750.45	3734433.41	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
9086	499741.48	3734429.66	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9087	499732.52	3734425.9	0.000482	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
9088	499723.55	3734422.15	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9089	499714.59	3734418.4	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9090	499705.62	3734414.64	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9091	499696.66	3734410.89	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9092	499687.69	3734407.14	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9093	499678.72	3734403.38	0.000482	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
9094	499669.76	3734399.63	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9095	499660.79	3734395.88	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
9096	499651.83	3734392.12	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
9097	499642.86	3734388.37	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
9098	499633.89	3734384.62	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
9099	499624.93	3734380.86	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
9100	499615.96	3734377.11	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
9101	499607	3734373.35	0.000472	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.71E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
9102	499598.03	3734369.6	0.00047	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
9103	499589.06	3734365.85	0.000468	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
9104	499580.1	3734362.09	0.000466	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00
9105	499571.13	3734358.34	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
9106	499562.17	3734354.59	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9107	499553.2	3734350.83	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9108	499544.24	3734347.08	0.000454	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.37E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
9109	499535.27	3734343.33	0.000451	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
9110	499526.3	3734339.57	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
9111	499517.34	3734335.82	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
9112	499508.37	3734332.07	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9113	499499.41	3734328.31	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
9114	499490.44	3734324.56	0.000433	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
9115	499481.47	3734320.81	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
9116	499472.51	3734317.05	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
9117	499463.54	3734313.3	0.000421	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
9118	499454.58	3734309.55	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
9119	499445.61	3734305.79	0.000412	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.21E-05	1.32E-04	0.00E+00	0.00E+00
9120	499436.64	3734302.04	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
9121	499427.68	3734298.29	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9122	499418.71	3734294.53	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9123	499409.75	3734290.78	0.000394	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
9124	499364.92	3734272.01	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9125	499355.95	3734268.26	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9126	499346.99	3734264.5	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
9127	499338.02	3734260.75	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
9128	499329.05	3734257	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9129	499320.09	3734253.24	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
9130	499311.12	3734249.49	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
9131	499302.16	3734245.74	0.000336	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
9132	499293.19	3734241.98	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
9133	499284.22	3734238.23	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9134	499275.26	3734234.48	0.000321	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
9135	499266.29	3734230.72	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
9136	499257.33	3734226.97	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
9137	499248.36	3734223.22	0.000306	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
9138	499239.39	3734219.46	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
9139	499230.43	3734215.71	0.000297	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
9140	499221.46	3734211.96	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9141	499212.5	3734208.2	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
9142	499203.53	3734204.45	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
9143	499190.91	3734191.69	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
9144	499154.38	3734101.62	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
9145	499150.72	3734092.61	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
9146	499147.07	3734083.6	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
9147	499128.8	3734038.57	0.000242	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
9148	499125.15	3734029.56	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
9149	499121.5	3734020.55	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
9150	499117.84	3734011.54	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
9151	499114.19	3734002.54	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.48E-05	0.00E+00	0.00E+00
9152	499110.54	3733993.53	0.00023	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.40E-05	0.00E+00	0.00E+00
9153	499106.88	3733984.52	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.43E-05	7.33E-05	0.00E+00	0.00E+00
9154	499084.96	3733930.48	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9155	499081.31	3733921.47	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
9156	499077.66	3733912.47	0.00021	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
9157	499074	3733903.46	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
9158	499070.35	3733894.45	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9159	499008.24	3733741.33	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
9160	499004.59	3733732.32	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
9161	499000.94	3733723.32	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
9162	498997.28	3733714.31	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
9163	498993.63	3733705.3	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
9164	498989.98	3733696.29	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
9165	498986.32	3733687.29	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
9166	498982.67	3733678.28	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
9167	498979.02	3733669.27	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
9168	498942.48	3733579.2	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
9169	498935.18	3733561.19	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
9170	498931.52	3733552.18	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
9171	498927.87	3733543.17	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
9172	499858.04	3734478.45	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
9173	499867.87	3734478.47	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9174	499877.69	3734478.49	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9175	499887.51	3734478.51	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
9176	499897.34	3734478.53	0.000456	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.40E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
9177	499907.16	3734478.55	0.000455	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
9178	499916.99	3734478.57	0.000454	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.36E-04	0.00E+00	0.00E+00	6.83E-05	1.46E-04	0.00E+00	0.00E+00
9179	499926.81	3734478.59	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
9180	499936.64	3734478.61	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00

9181	499946.46	3734478.63	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.76E-05	1.44E-04	0.00E+00	0.00E+00
9182	499956.29	3734478.65	0.000448	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
9183	499966.11	3734478.67	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
9184	499975.93	3734478.69	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
9185	499985.76	3734478.7	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9186	499995.58	3734478.72	0.00044	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
9187	500005.41	3734478.74	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
9188	500015.23	3734478.76	0.000435	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
9189	500025.06	3734478.78	0.000433	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9190	500034.88	3734478.8	0.00043	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
9191	500044.7	3734478.82	0.000427	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.88E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9192	500054.53	3734478.84	0.000425	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
9193	500064.35	3734478.86	0.000422	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
9194	500074.18	3734478.88	0.000419	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
9195	500084	3734478.9	0.000416	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
9196	500093.83	3734478.92	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9197	500103.65	3734478.94	0.00041	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
9198	500113.48	3734478.96	0.000407	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
9199	500123.3	3734478.98	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.30E-04	0.00E+00	0.00E+00
9200	500133.12	3734479	0.0004	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
9201	500142.95	3734479.02	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9202	500152.77	3734479.03	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9203	500162.6	3734479.05	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9204	500172.42	3734479.07	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
9205	500182.25	3734479.09	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
9206	499849.03	3734510.42	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
9207	499840.08	3734506.68	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9208	499831.13	3734502.93	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
9209	499822.19	3734499.19	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
9210	499813.24	3734495.44	0.000448	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
9211	499804.3	3734491.7	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
9212	499795.35	3734487.95	0.000452	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.32E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
9213	499786.41	3734484.21	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
9214	499777.46	3734480.46	0.000455	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
9215	499768.52	3734476.72	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.46E-04	0.00E+00	0.00E+00
9216	499759.57	3734472.97	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9217	499750.63	3734469.23	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
9218	499741.68	3734465.48	0.000459	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
9219	499732.73	3734461.74	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9220	499723.79	3734457.99	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9221	499714.84	3734454.25	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9222	499705.9	3734450.5	0.000461	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9223	499696.95	3734446.76	0.000462	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9224	499688.01	3734443.01	0.000462	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9225	499679.06	3734439.27	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9226	499670.12	3734435.52	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9227	499661.17	3734431.78	0.00046	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.49E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9228	499652.23	3734428.03	0.00046	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
9229	499643.28	3734424.29	0.000459	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.46E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
9230	499634.33	3734420.54	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9231	499625.39	3734416.8	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
9232	499616.44	3734413.05	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
9233	499607.5	3734409.31	0.000454	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.36E-04	0.00E+00	0.00E+00	6.83E-05	1.46E-04	0.00E+00	0.00E+00
9234	499598.55	3734405.56	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
9235	499589.61	3734401.82	0.00045	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
9236	499580.66	3734398.07	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
9237	499571.72	3734394.33	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
9238	499562.77	3734390.58	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
9239	499553.83	3734386.84	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9240	499544.88	3734383.09	0.000439	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
9241	499535.93	3734379.35	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9242	499526.99	3734375.6	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
9243	499518.04	3734371.86	0.00043	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
9244	499509.1	3734368.11	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9245	499500.15	3734364.37	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
9246	499491.21	3734360.62	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9247	499482.26	3734356.88	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
9248	499473.32	3734353.13	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9249	499464.37	3734349.39	0.000409	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.55E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
9250	499455.43	3734345.65	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9251	499446.48	3734341.9	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
9252	499437.53	3734338.16	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
9253	499428.59	3734334.41	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.26E-04	0.00E+00	0.00E+00
9254	499419.64	3734330.67	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9255	499410.7	3734326.92	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9256	499365.97	3734308.2	0.000364	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
9257	499357.03	3734304.45	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9258	499348.08	3734300.71	0.000355	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
9259	499339.13	3734296.96	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9260	499330.19	3734293.22	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9261	499321.24	3734289.47	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
9262	499312.3	3734285.73	0.000336	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
9263	499303.35	3734281.98	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
9264	499294.41	3734278.24	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
9265	499285.46	3734274.49	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
9266	499276.52	3734270.75	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
9267	499267.57	3734267	0.000313	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
9268	499258.63	3734263.26	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
9269	499249.68	3734259.51	0.000304	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
9270	499240.73	3734255.77	0.0003	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.51E-05	9.63E-05	0.00E+00	0.00E+00
9271	499231.79	3734252.02	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
9272	499222.84	3734248.28	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
9273	499213.9	3734244.53	0.000286	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
9274	499204.95	3734240.79	0.000282	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
9275	499196.01	3734237.04	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
9276	499187.06	3734233.3	0.000273	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
9277	499178.12	3734229.55	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
9278	499165.53	3734216.82	0.000263	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
9279	499140.01	3734153.91	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
9280	499118.14	3734100	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
9281	499099.92	3734055.06	0.000229	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
9282	499096.27	3734046.08	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
9283	499092.63	3734037.09	0.000225	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
9284	499088.98	3734028.1	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
9285	499085.34	3734019.12	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
9286	499081.69	3734010.13	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
9287	499063.46	3733965.2	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
9288	499059.82	3733956.21	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9289	499056.17	3733947.22	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
9290	499052.53	3733938.24	0.000201	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
9291	499048.88	3733929.25	0.000199	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
9292	499045.24	3733920.26	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00

9293	499041.59	3733911.28	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
9294	498972.34	3733740.53	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
9295	498968.69	3733731.54	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
9296	498965.05	3733722.56	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
9297	498961.4	3733713.57	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
9298	498957.76	3733704.58	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
9299	498954.11	3733695.6	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
9300	498950.47	3733686.61	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
9301	498946.82	3733677.62	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
9302	498943.18	3733668.64	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
9303	498906.73	3733578.77	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
9304	498899.44	3733560.8	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
9305	498895.79	3733551.81	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
9306	498892.15	3733542.83	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
9307	499857.97	3734514.17	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
9308	499867.79	3734514.19	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9309	499877.62	3734514.21	0.000435	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
9310	499887.44	3734514.22	0.000434	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
9311	499897.27	3734514.24	0.000434	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
9312	499907.09	3734514.26	0.000433	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9313	499916.92	3734514.28	0.000431	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
9314	499926.74	3734514.3	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
9315	499936.57	3734514.32	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
9316	499946.39	3734514.34	0.000427	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.88E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9317	499956.21	3734514.36	0.000426	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
9318	499966.04	3734514.38	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
9319	499975.86	3734514.4	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9320	499985.69	3734514.42	0.00042	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9321	499995.51	3734514.44	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
9322	500005.34	3734514.46	0.000416	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
9323	500015.16	3734514.48	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
9324	500024.99	3734514.5	0.000411	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
9325	500034.81	3734514.52	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
9326	500044.63	3734514.54	0.000407	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
9327	500054.46	3734514.55	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9328	500064.28	3734514.57	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9329	500074.11	3734514.59	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
9330	500083.93	3734514.61	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9331	500093.76	3734514.63	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9332	500103.58	3734514.65	0.00039	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
9333	500113.41	3734514.67	0.000387	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.14E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
9334	500123.23	3734514.69	0.000384	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
9335	500133.05	3734514.71	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.23E-04	0.00E+00	0.00E+00
9336	500142.88	3734514.73	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9337	500152.7	3734514.75	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
9338	500162.53	3734514.77	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9339	500172.35	3734514.79	0.000369	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
9340	500182.18	3734514.81	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
9341	499830.78	3734538.53	0.000423	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.80E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9342	499821.74	3734534.74	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
9343	499812.7	3734530.96	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9344	499803.66	3734527.18	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
9345	499794.62	3734523.39	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
9346	499785.58	3734519.61	0.000432	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9347	499776.54	3734515.82	0.000434	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
9348	499767.5	3734512.04	0.000435	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9349	499758.47	3734508.25	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
9350	499749.43	3734504.47	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
9351	499740.39	3734500.68	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
9352	499731.35	3734496.9	0.00044	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
9353	499722.31	3734493.12	0.00044	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
9354	499713.27	3734489.33	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9355	499704.23	3734485.55	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9356	499695.19	3734481.76	0.000441	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9357	499686.15	3734477.98	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9358	499677.11	3734474.19	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9359	499668.07	3734470.41	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9360	499659.03	3734466.63	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9361	499649.99	3734462.84	0.00044	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
9362	499640.95	3734459.06	0.00044	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
9363	499631.91	3734455.27	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
9364	499622.87	3734451.49	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
9365	499613.83	3734447.7	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
9366	499604.79	3734443.92	0.000435	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9367	499595.75	3734440.14	0.000434	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
9368	499586.71	3734436.35	0.000432	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9369	499577.67	3734432.57	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
9370	499568.64	3734428.78	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
9371	499559.6	3734425	0.000427	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
9372	499550.56	3734421.21	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
9373	499541.52	3734417.43	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9374	499532.48	3734413.65	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
9375	499523.44	3734409.86	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
9376	499514.4	3734406.08	0.000414	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
9377	499505.36	3734402.29	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
9378	499496.32	3734398.51	0.000409	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
9379	499487.28	3734394.72	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9380	499478.24	3734390.94	0.000402	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
9381	499469.2	3734387.16	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9382	499460.16	3734383.37	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9383	499451.12	3734379.59	0.000392	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
9384	499442.08	3734375.8	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9385	499433.04	3734372.02	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9386	499424	3734368.23	0.000382	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.23E-04	0.00E+00	0.00E+00
9387	499414.96	3734364.45	0.000378	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9388	499369.77	3734345.53	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
9389	499360.73	3734341.74	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
9390	499351.69	3734337.96	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
9391	499342.65	3734334.18	0.000345	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9392	499333.61	3734330.39	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
9393	499324.57	3734326.61	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
9394	499315.53	3734322.82	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
9395	499306.49	3734319.04	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
9396	499297.45	3734315.25	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
9397	499288.41	3734311.47	0.00032	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9398	499279.37	3734307.68	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
9399	499270.33	3734303.9	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
9400	499261.29	3734300.12	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
9401	499252.25	3734296.33	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
9402	499243.21	3734292.55	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
9403	499234.17	3734288.76	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
9404	499225.13	3734284.98	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00

9405	499216.09	3734281.19	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
9406	499207.05	3734277.41	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
9407	499198.01	3734273.63	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
9408	499188.97	3734269.84	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
9409	499179.94	3734266.06	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
9410	499170.9	3734262.27	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
9411	499161.86	3734258.49	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.35E-05	0.00E+00	0.00E+00
9412	499152.82	3734254.7	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
9413	499140.09	3734241.84	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
9414	499136.41	3734232.76	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
9415	499132.73	3734223.68	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
9416	499129.04	3734214.6	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
9417	499125.36	3734205.51	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.84E-05	0.00E+00	0.00E+00
9418	499121.68	3734196.43	0.000242	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.78E-05	0.00E+00	0.00E+00
9419	499117.99	3734187.35	0.000241	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
9420	499114.31	3734178.27	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
9421	499110.63	3734169.19	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
9422	499106.94	3734160.11	0.000235	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.54E-05	7.56E-05	0.00E+00	0.00E+00
9423	499103.26	3734151.03	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
9424	499099.58	3734141.95	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
9425	499073.79	3734078.38	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
9426	499070.11	3734069.3	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.94E-05	0.00E+00	0.00E+00
9427	499066.43	3734060.22	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9428	499062.74	3734051.14	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
9429	499059.06	3734042.05	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
9430	499055.38	3734032.97	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.13E-05	6.69E-05	0.00E+00	0.00E+00
9431	499033.28	3733978.49	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
9432	499029.59	3733969.41	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
9433	499025.91	3733960.32	0.000192	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
9434	499022.23	3733951.24	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
9435	499018.54	3733942.16	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
9436	499014.86	3733933.08	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
9437	499011.18	3733924	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
9438	498937.51	3733742.38	0.000148	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
9439	498933.82	3733733.3	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
9440	498930.14	3733724.22	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
9441	498926.46	3733715.13	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
9442	498922.77	3733706.05	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
9443	498919.09	3733696.97	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
9444	498915.41	3733687.89	0.000139	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
9445	498911.72	3733678.81	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
9446	498908.04	3733669.73	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
9447	498871.21	3733578.92	0.000123	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
9448	498863.84	3733560.76	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
9449	498860.16	3733551.67	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
9450	498856.47	3733542.59	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
9451	499848.81	3734581.82	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9452	499839.79	3734578.04	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
9453	499830.78	3734574.27	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9454	499821.76	3734570.49	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9455	499812.74	3734566.72	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
9456	499803.72	3734562.94	0.00041	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
9457	499794.71	3734559.17	0.000411	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
9458	499740.6	3734536.52	0.000419	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.73E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
9459	499731.58	3734532.74	0.00042	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9460	499722.56	3734528.97	0.000421	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
9461	499713.55	3734525.19	0.000422	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
9462	499704.53	3734521.42	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9463	499695.51	3734517.64	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9464	499686.49	3734513.87	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9465	499677.48	3734510.09	0.000423	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.80E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9466	499668.46	3734506.32	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9467	499659.44	3734502.54	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9468	499650.42	3734498.77	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9469	499641.41	3734494.99	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
9470	499632.39	3734491.22	0.000421	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
9471	499623.37	3734487.44	0.000421	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9472	499614.35	3734483.67	0.00042	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
9473	499605.34	3734479.89	0.000419	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
9474	499596.32	3734476.12	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
9475	499587.3	3734472.34	0.000416	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
9476	499578.28	3734468.57	0.000415	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
9477	499569.27	3734464.79	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9478	499560.25	3734461.02	0.000411	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
9479	499551.23	3734457.24	0.000409	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
9480	499542.21	3734453.46	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
9481	499533.19	3734449.69	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9482	499524.18	3734445.91	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
9483	499515.16	3734442.14	0.000401	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9484	499506.14	3734438.36	0.000398	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
9485	499497.12	3734434.59	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9486	499488.11	3734430.81	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9487	499370.88	3734381.74	0.000351	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9488	499361.86	3734377.96	0.000347	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
9489	499352.84	3734374.19	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9490	499343.82	3734370.41	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9491	499334.81	3734366.64	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
9492	499325.79	3734362.86	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
9493	499316.77	3734359.09	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
9494	499307.75	3734355.31	0.000323	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
9495	499298.74	3734351.54	0.000319	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9496	499289.72	3734347.76	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
9497	499280.7	3734343.99	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
9498	499271.68	3734340.21	0.000307	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
9499	499262.67	3734336.44	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
9500	499253.65	3734332.66	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.61E-05	0.00E+00	0.00E+00
9501	499244.63	3734328.89	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
9502	499235.61	3734325.11	0.000291	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.38E-05	9.35E-05	0.00E+00	0.00E+00
9503	499226.59	3734321.33	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
9504	499217.58	3734317.56	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.26E-05	9.09E-05	0.00E+00	0.00E+00
9505	499208.56	3734313.78	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
9506	499199.54	3734310.01	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
9507	499190.52	3734306.23	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
9508	499181.51	3734302.46	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
9509	499172.49	3734298.68	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
9510	499163.47	3734294.91	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.33E-05	0.00E+00	0.00E+00
9511	499154.45	3734291.13	0.000255	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
9512	499145.44	3734287.36	0.000252	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
9513	499136.42	3734283.58	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
9514	499127.4	3734279.81	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
9515	499114.71	3734266.97	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
9516	499111.03	3734257.91	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00

9517	499107.36	3734248.86	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
9518	499103.69	3734239.8	0.000234	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
9519	499100.01	3734230.74	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
9520	499096.34	3734221.68	0.000231	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
9521	499092.66	3734212.62	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
9522	499088.99	3734203.56	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.33E-05	0.00E+00	0.00E+00
9523	499085.31	3734194.5	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
9524	499081.64	3734185.44	0.000225	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
9525	499077.96	3734176.38	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
9526	499074.29	3734167.32	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
9527	499070.62	3734158.26	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
9528	499066.94	3734149.21	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
9529	499063.27	3734140.15	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
9530	499059.59	3734131.09	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9531	499037.54	3734076.73	0.000203	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
9532	499033.87	3734067.67	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
9533	499030.2	3734058.61	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
9534	499004.47	3733995.2	0.000186	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
9535	499000.8	3733986.14	0.000185	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
9536	498997.13	3733977.08	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
9537	498993.45	3733968.02	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
9538	498989.78	3733958.96	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
9539	498986.1	3733949.9	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
9540	498967.73	3733904.61	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
9541	498964.06	3733895.55	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.34E-05	0.00E+00	0.00E+00
9542	498901.59	3733741.54	0.000139	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
9543	498897.91	3733732.49	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
9544	498894.24	3733723.43	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.38E-05	0.00E+00	0.00E+00
9545	498890.57	3733714.37	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
9546	498886.89	3733705.31	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
9547	498883.22	3733696.25	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
9548	498879.54	3733687.19	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
9549	498875.87	3733678.13	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
9550	498872.19	3733669.07	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
9551	498828.1	3733560.36	0.000115	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
9552	498824.43	3733551.3	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
9553	498820.75	3733542.24	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
9554	499857.83	3734585.6	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
9555	499867.65	3734585.61	0.000396	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9556	499877.48	3734585.63	0.000396	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.29E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9557	499887.3	3734585.65	0.000395	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
9558	499897.13	3734585.67	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
9559	499906.95	3734585.69	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9560	499916.78	3734585.71	0.000392	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
9561	499926.6	3734585.73	0.000391	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.26E-04	0.00E+00	0.00E+00
9562	499936.42	3734585.75	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9563	499946.25	3734585.77	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9564	499956.07	3734585.79	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
9565	499965.9	3734585.81	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9566	499975.72	3734585.83	0.000384	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
9567	499985.55	3734585.85	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
9568	499995.37	3734585.87	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
9569	500005.2	3734585.89	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9570	500015.02	3734585.91	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
9571	500024.84	3734585.93	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9572	500034.67	3734585.94	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9573	500044.49	3734585.96	0.00037	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
9574	500054.32	3734585.98	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9575	500064.14	3734586	0.000365	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9576	500073.97	3734586.02	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
9577	500083.79	3734586.04	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
9578	500093.62	3734586.06	0.000358	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
9579	500103.44	3734586.08	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
9580	500113.26	3734586.1	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
9581	500123.09	3734586.12	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9582	500132.91	3734586.14	0.000348	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
9583	500142.74	3734586.16	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9584	500152.56	3734586.18	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9585	500162.39	3734586.2	0.00034	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
9586	500172.21	3734586.22	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
9587	500182.04	3734586.24	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
9588	499848.76	3734617.54	0.000382	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.03E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
9589	499839.76	3734613.78	0.000384	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
9590	499830.77	3734610.01	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
9591	499821.77	3734606.24	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9592	499812.77	3734602.48	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9593	499803.78	3734598.71	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
9594	499794.78	3734594.94	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9595	499785.78	3734591.18	0.000395	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
9596	499776.78	3734587.41	0.000396	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9597	499767.79	3734583.64	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
9598	499758.79	3734579.88	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9599	499749.79	3734576.11	0.0004	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
9600	499740.79	3734572.34	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9601	499731.8	3734568.58	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
9602	499722.8	3734564.81	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
9603	499713.8	3734561.04	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9604	499704.8	3734557.28	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
9605	499659.82	3734538.44	0.000406	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.47E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9606	499650.82	3734534.68	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9607	499641.82	3734530.91	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9608	499632.83	3734527.14	0.000405	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
9609	499623.83	3734523.38	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9610	499614.83	3734519.61	0.000403	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.44E-04	0.00E+00	0.00E+00	6.07E-05	1.30E-04	0.00E+00	0.00E+00
9611	499605.83	3734515.84	0.000403	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
9612	499596.84	3734512.08	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
9613	499587.84	3734508.31	0.000401	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
9614	499578.84	3734504.54	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9615	499569.85	3734500.78	0.000398	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
9616	499560.85	3734497.01	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9617	499551.85	3734493.24	0.000395	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
9618	499542.85	3734489.48	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9619	499533.86	3734485.71	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
9620	499524.86	3734481.94	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9621	499515.86	3734478.18	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9622	499506.86	3734474.41	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
9623	499497.87	3734470.64	0.000383	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
9624	499488.87	3734466.88	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
9625	499479.87	3734463.11	0.000379	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9626	499470.88	3734459.34	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
9627	499461.88	3734455.58	0.000374	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9628	499452.88	3734451.81	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00

9629	499443.88	3734448.04	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9630	499434.89	3734444.28	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9631	499371.91	3734417.91	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9632	499362.91	3734414.14	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9633	499353.91	3734410.38	0.000336	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
9634	499344.91	3734406.61	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
9635	499335.92	3734402.84	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
9636	499326.92	3734399.08	0.000325	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
9637	499317.92	3734395.31	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
9638	499308.92	3734391.54	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
9639	499299.93	3734387.78	0.000314	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.80E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
9640	499290.93	3734384.01	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
9641	499281.93	3734380.25	0.000307	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.62E-05	9.86E-05	0.00E+00	0.00E+00
9642	499272.93	3734376.48	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
9643	499263.94	3734372.71	0.0003	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
9644	499254.94	3734368.95	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
9645	499245.94	3734365.18	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9646	499236.95	3734361.41	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
9647	499227.95	3734357.65	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
9648	499218.95	3734353.88	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
9649	499209.95	3734350.11	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
9650	499200.96	3734346.35	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
9651	499191.96	3734342.58	0.000269	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.65E-05	0.00E+00	0.00E+00
9652	499182.96	3734338.81	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
9653	499173.96	3734335.05	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
9654	499164.97	3734331.28	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
9655	499155.97	3734327.51	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
9656	499146.97	3734323.75	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
9657	499137.98	3734319.98	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
9658	499128.98	3734316.21	0.000244	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
9659	499119.98	3734312.45	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
9660	499110.98	3734308.68	0.000236	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
9661	499101.99	3734304.91	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
9662	499089.32	3734292.11	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.33E-05	0.00E+00	0.00E+00
9663	499085.66	3734283.07	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
9664	499081.99	3734274.03	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.24E-05	0.00E+00	0.00E+00
9665	499078.32	3734264.99	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
9666	499074.66	3734255.95	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
9667	499070.99	3734246.91	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
9668	499067.33	3734237.88	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
9669	499063.66	3734228.84	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
9670	499059.99	3734219.8	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
9671	499056.33	3734210.76	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
9672	499052.66	3734201.72	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
9673	499048.99	3734192.68	0.000212	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
9674	499045.33	3734183.64	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
9675	499041.66	3734174.6	0.000209	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
9676	499038	3734165.57	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.12E-05	6.64E-05	0.00E+00	0.00E+00
9677	499034.33	3734156.53	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9678	499030.66	3734147.49	0.000204	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.54E-05	0.00E+00	0.00E+00
9679	499027	3734138.45	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
9680	499023.33	3734129.41	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.43E-05	0.00E+00	0.00E+00
9681	499019.67	3734120.37	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
9682	498994	3734057.1	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
9683	498990.34	3734048.06	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
9684	498986.67	3734039.02	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
9685	498983	3734029.99	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
9686	498979.34	3734020.95	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
9687	498975.67	3734011.91	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
9688	498972.01	3734002.87	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
9689	498968.34	3733993.83	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
9690	498964.67	3733984.79	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
9691	498961.01	3733975.75	0.000171	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
9692	498957.34	3733966.71	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
9693	498865.69	3733740.75	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
9694	498862.02	3733731.71	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
9695	498858.35	3733722.67	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
9696	498854.69	3733713.63	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
9697	498851.02	3733704.59	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
9698	498847.36	3733695.55	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
9699	498843.69	3733686.52	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
9700	498840.02	3733677.48	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
9701	498796.03	3733569.01	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
9702	498792.36	3733559.97	0.000109	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
9703	498788.7	3733550.93	0.000108	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
9704	498785.03	3733541.9	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
9705	499857.76	3734621.31	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
9706	499867.58	3734621.33	0.000379	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9707	499877.41	3734621.35	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9708	499887.23	3734621.37	0.000377	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
9709	499897.06	3734621.39	0.000376	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
9710	499906.88	3734621.41	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
9711	499916.71	3734621.43	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
9712	499926.53	3734621.45	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9713	499936.35	3734621.46	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9714	499946.18	3734621.48	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9715	499956	3734621.5	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
9716	499965.83	3734621.52	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9717	499975.65	3734621.54	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
9718	499985.48	3734621.56	0.000365	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
9719	499995.3	3734621.58	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
9720	500005.13	3734621.6	0.000361	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
9721	500014.95	3734621.62	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9722	500024.77	3734621.64	0.000358	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.59E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
9723	500034.6	3734621.66	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
9724	500044.42	3734621.68	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
9725	500054.25	3734621.7	0.000351	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
9726	500064.07	3734621.72	0.000349	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.44E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
9727	500073.9	3734621.74	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
9728	500083.72	3734621.76	0.000345	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
9729	500093.54	3734621.78	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9730	500103.37	3734621.79	0.00034	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
9731	500113.19	3734621.81	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
9732	500123.02	3734621.83	0.000336	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
9733	500132.84	3734621.85	0.000333	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
9734	500142.67	3734621.87	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
9735	500152.49	3734621.89	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
9736	500162.32	3734621.91	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9737	500172.14	3734621.93	0.000323	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
9738	500181.96	3734621.95	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
9739	499848.71	3734653.26	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9740	499839.73	3734649.51	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00

9741	499830.75	3734645.75	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
9742	499821.77	3734641.99	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9743	499812.8	3734638.23	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
9744	499803.82	3734634.47	0.000375	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
9745	499794.84	3734630.71	0.000376	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
9746	499785.86	3734626.95	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9747	499776.88	3734623.2	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
9748	499767.9	3734619.44	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
9749	499758.93	3734615.68	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
9750	499749.95	3734611.92	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
9751	499740.97	3734608.16	0.000384	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
9752	499731.99	3734604.4	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9753	499723.01	3734600.64	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
9754	499714.04	3734596.88	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
9755	499705.06	3734593.13	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9756	499696.08	3734589.37	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
9757	499687.1	3734585.61	0.000389	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
9758	499678.12	3734581.85	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9759	499669.14	3734578.09	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9760	499660.17	3734574.33	0.000389	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9761	499651.19	3734570.57	0.000389	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9762	499642.21	3734566.81	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9763	499633.23	3734563.06	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9764	499624.25	3734559.3	0.000389	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
9765	499570.38	3734536.75	0.000384	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
9766	499561.4	3734532.99	0.000383	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
9767	499552.43	3734529.23	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
9768	499543.45	3734525.47	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
9769	499534.47	3734521.71	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9770	499525.49	3734517.95	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
9771	499516.51	3734514.19	0.000375	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.65E-05	1.20E-04	0.00E+00	0.00E+00
9772	499507.53	3734510.43	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9773	499498.56	3734506.68	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9774	499489.58	3734502.92	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
9775	499480.6	3734499.16	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
9776	499471.62	3734495.4	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
9777	499462.64	3734491.64	0.000363	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
9778	499453.66	3734487.88	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
9779	499444.69	3734484.12	0.000358	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.59E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
9780	499435.71	3734480.36	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
9781	499426.73	3734476.61	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
9782	499417.75	3734472.85	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9783	499408.77	3734469.09	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
9784	499372.86	3734454.05	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
9785	499363.88	3734450.3	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
9786	499354.9	3734446.54	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
9787	499345.92	3734442.78	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9788	499336.95	3734439.02	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
9789	499327.97	3734435.26	0.000319	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9790	499318.99	3734431.5	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
9791	499310.01	3734427.74	0.000313	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
9792	499301.03	3734423.98	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.66E-05	9.93E-05	0.00E+00	0.00E+00
9793	499292.05	3734420.23	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
9794	499283.08	3734416.47	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
9795	499274.1	3734412.71	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
9796	499265.12	3734408.95	0.000295	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
9797	499256.14	3734405.19	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9798	499247.16	3734401.43	0.000288	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
9799	499238.18	3734397.67	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
9800	499229.21	3734393.92	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
9801	499220.23	3734390.16	0.000278	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
9802	499211.25	3734386.4	0.000274	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
9803	499202.27	3734382.64	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
9804	499193.29	3734378.88	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
9805	499184.31	3734375.12	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
9806	499175.34	3734371.36	0.00026	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
9807	499166.36	3734367.6	0.000257	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
9808	499157.38	3734363.85	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
9809	499148.4	3734360.09	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
9810	499139.42	3734356.33	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
9811	499130.44	3734352.57	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
9812	499121.47	3734348.81	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
9813	499112.49	3734345.05	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
9814	499103.51	3734341.29	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
9815	499094.53	3734337.53	0.000229	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.36E-05	0.00E+00	0.00E+00
9816	499085.55	3734333.78	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
9817	499076.57	3734330.02	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
9818	499063.94	3734317.24	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
9819	499060.28	3734308.22	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
9820	499056.62	3734299.2	0.000216	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.92E-05	0.00E+00	0.00E+00
9821	499052.96	3734290.18	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9822	499049.3	3734281.16	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
9823	499045.64	3734272.14	0.000212	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.79E-05	0.00E+00	0.00E+00
9824	499041.99	3734263.12	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
9825	499038.33	3734254.1	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
9826	499034.67	3734245.08	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
9827	499031.01	3734236.06	0.000206	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
9828	499027.35	3734227.04	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
9829	499023.69	3734218.02	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.52E-05	0.00E+00	0.00E+00
9830	499020.04	3734209	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
9831	499016.38	3734199.98	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
9832	499012.72	3734190.96	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
9833	499009.06	3734181.94	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
9834	499005.4	3734172.92	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
9835	499001.74	3734163.91	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
9836	498998.08	3734154.89	0.000192	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
9837	498994.43	3734145.87	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
9838	498950.52	3734037.63	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
9839	498946.87	3734028.61	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
9840	498943.21	3734019.59	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
9841	498939.55	3734010.57	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
9842	498935.89	3734001.55	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
9843	498932.23	3733992.53	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
9844	498928.57	3733983.51	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
9845	498924.92	3733974.49	0.00016	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
9846	498921.26	3733965.47	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
9847	498917.6	3733956.45	0.000157	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
9848	498913.94	3733947.43	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
9849	498910.28	3733938.41	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
9850	498906.62	3733929.39	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
9851	498829.8	3733739.98	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
9852	498826.14	3733730.96	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00

9853	498822.48	3733721.94	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
9854	498818.82	3733712.92	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
9855	498815.16	3733703.9	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
9856	498811.5	3733694.88	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
9857	498807.84	3733685.86	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
9858	498804.19	3733676.84	0.000116	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
9859	498796.87	3733658.81	0.000114	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
9860	498760.28	3733568.61	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
9861	498756.63	3733559.59	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
9862	498752.97	3733550.57	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
9863	498749.31	3733541.55	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.25E-05	0.00E+00	0.00E+00
9864	499857.69	3734657.02	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
9865	499867.51	3734657.04	0.000362	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
9866	499877.34	3734657.06	0.000362	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
9867	499887.16	3734657.08	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
9868	499896.99	3734657.1	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
9869	499906.81	3734657.12	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9870	499916.63	3734657.14	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
9871	499926.46	3734657.16	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
9872	499936.28	3734657.18	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
9873	499946.11	3734657.2	0.000355	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
9874	499955.93	3734657.22	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
9875	499965.76	3734657.24	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
9876	499975.58	3734657.26	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9877	499985.41	3734657.28	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
9878	499995.23	3734657.3	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
9879	500005.05	3734657.31	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9880	500014.88	3734657.33	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
9881	500024.7	3734657.35	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
9882	500034.53	3734657.37	0.00034	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
9883	500044.35	3734657.39	0.000338	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.24E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
9884	500054.18	3734657.41	0.000336	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
9885	500064	3734657.43	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
9886	500073.83	3734657.45	0.000332	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
9887	500083.65	3734657.47	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
9888	500093.47	3734657.49	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
9889	500103.3	3734657.51	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9890	500113.12	3734657.53	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
9891	500122.95	3734657.55	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
9892	500132.77	3734657.57	0.000319	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9893	500142.6	3734657.59	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
9894	500152.42	3734657.61	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
9895	500162.25	3734657.63	0.000313	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
9896	500172.07	3734657.64	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
9897	500181.89	3734657.66	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
9898	499848.56	3734688.94	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9899	499839.5	3734685.15	0.000352	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
9900	499830.44	3734681.36	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
9901	499821.38	3734677.57	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
9902	499812.32	3734673.77	0.000357	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.59E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
9903	499803.26	3734669.98	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9904	499794.2	3734666.19	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
9905	499785.14	3734662.39	0.000362	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
9906	499776.08	3734658.6	0.000364	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
9907	499767.02	3734654.81	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9908	499757.96	3734651.02	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
9909	499748.9	3734647.22	0.000368	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
9910	499739.84	3734643.43	0.000369	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
9911	499730.78	3734639.64	0.00037	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
9912	499721.71	3734635.84	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9913	499712.65	3734632.05	0.000371	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9914	499703.59	3734628.26	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9915	499694.53	3734624.46	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
9916	499685.47	3734620.67	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9917	499676.41	3734616.88	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9918	499667.35	3734613.09	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9919	499658.29	3734609.29	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9920	499649.23	3734605.5	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9921	499640.17	3734601.71	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9922	499631.11	3734597.91	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9923	499622.05	3734594.12	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9924	499612.99	3734590.33	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9925	499603.93	3734586.53	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
9926	499594.87	3734582.74	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
9927	499585.81	3734578.95	0.000372	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9928	499576.75	3734575.16	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9929	499549.57	3734563.78	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9930	499540.51	3734559.98	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
9931	499477.09	3734533.43	0.000355	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
9932	499468.03	3734529.64	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
9933	499458.97	3734525.85	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9934	499449.91	3734522.05	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
9935	499440.85	3734518.26	0.000346	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
9936	499431.79	3734514.47	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
9937	499422.73	3734510.68	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
9938	499413.67	3734506.88	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9939	499368.37	3734487.92	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9940	499359.31	3734484.12	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
9941	499350.25	3734480.33	0.00032	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
9942	499341.19	3734476.54	0.000317	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
9943	499332.13	3734472.75	0.000314	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
9944	499323.07	3734468.95	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
9945	499314.01	3734465.16	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
9946	499304.95	3734461.37	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.79E-05	0.00E+00	0.00E+00
9947	499295.89	3734457.57	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
9948	499286.83	3734453.78	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
9949	499277.77	3734449.99	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
9950	499268.71	3734446.2	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9951	499259.65	3734442.4	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
9952	499250.59	3734438.61	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
9953	499241.53	3734434.82	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
9954	499232.46	3734431.02	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
9955	499223.4	3734427.23	0.000275	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
9956	499214.34	3734423.44	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
9957	499205.28	3734419.64	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
9958	499196.22	3734415.85	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.52E-05	0.00E+00	0.00E+00
9959	499187.16	3734412.06	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
9960	499178.1	3734408.27	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
9961	499169.04	3734404.47	0.000255	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
9962	499159.98	3734400.68	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.09E-05	0.00E+00	0.00E+00
9963	499150.92	3734396.89	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
9964	499141.86	3734393.09	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00

9965	499132.8	3734389.3	0.000242	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
9966	499123.74	3734385.51	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
9967	499114.68	3734381.72	0.000235	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
9968	499105.62	3734377.92	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
9969	499096.56	3734374.13	0.000229	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
9970	499087.5	3734370.34	0.000226	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.25E-05	0.00E+00	0.00E+00
9971	499078.44	3734366.54	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
9972	499069.38	3734362.75	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.05E-05	0.00E+00	0.00E+00
9973	499060.32	3734358.96	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
9974	499051.26	3734355.16	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
9975	499038.51	3734342.27	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
9976	499034.82	3734333.17	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
9977	499031.13	3734324.07	0.000206	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
9978	499027.43	3734314.96	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9979	499023.74	3734305.86	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
9980	499020.05	3734296.76	0.000203	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
9981	499016.36	3734287.66	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
9982	499012.67	3734278.56	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
9983	499008.97	3734269.45	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
9984	499005.28	3734260.35	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
9985	499001.59	3734251.25	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
9986	498997.9	3734242.15	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
9987	498994.21	3734233.05	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
9988	498990.52	3734223.95	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
9989	498986.82	3734214.84	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
9990	498983.13	3734205.74	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
9991	498979.44	3734196.64	0.000187	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
9992	498975.75	3734187.54	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
9993	498957.29	3734142.03	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
9994	498953.6	3734132.93	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
9995	498949.91	3734123.82	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
9996	498946.21	3734114.72	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
9997	498942.52	3734105.62	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
9998	498938.83	3734096.52	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
9999	498909.3	3734023.7	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
10000	498905.6	3734014.6	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
10001	498901.91	3734005.5	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
10002	498898.22	3733996.4	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
10003	498894.53	3733987.3	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
10004	498890.84	3733978.19	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
10005	498887.15	3733969.09	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.79E-05	0.00E+00	0.00E+00
10006	498883.45	3733959.99	0.000148	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
10007	498879.76	3733950.89	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
10008	498876.07	3733941.79	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
10009	498872.38	3733932.69	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
10010	498794.85	3733741.55	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
10011	498791.16	3733732.44	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
10012	498787.47	3733723.34	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
10013	498783.77	3733714.24	0.000114	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
10014	498780.08	3733705.14	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
10015	498776.39	3733696.04	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
10016	498772.7	3733686.93	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
10017	498769.01	3733677.83	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
10018	498765.32	3733668.73	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
10019	498761.62	3733659.63	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
10020	498757.93	3733650.53	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
10021	498754.24	3733641.43	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
10022	498750.55	3733632.32	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
10023	498746.86	3733623.22	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
10024	498743.16	3733614.12	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
10025	498739.47	3733605.02	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
10026	498735.78	3733595.92	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
10027	498732.09	3733586.81	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
10028	498728.4	3733577.71	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
10029	498724.71	3733568.61	9.89E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
10030	498721.01	3733559.51	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
10031	498717.32	3733550.41	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
10032	498713.63	3733541.3	9.65E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
10033	499857.62	3734692.74	0.000348	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
10034	499867.44	3734692.76	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
10035	499877.27	3734692.78	0.000346	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
10036	499887.09	3734692.8	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
10037	499896.92	3734692.82	0.000345	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
10038	499906.74	3734692.83	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
10039	499916.56	3734692.85	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
10040	499926.39	3734692.87	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10041	499936.21	3734692.89	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10042	499946.04	3734692.91	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
10043	499955.86	3734692.93	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
10044	499965.69	3734692.95	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
10045	499975.51	3734692.97	0.000336	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
10046	499985.34	3734692.99	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
10047	499995.16	3734693.01	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
10048	500004.98	3734693.03	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
10049	500014.81	3734693.05	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
10050	500024.63	3734693.07	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
10051	500034.46	3734693.09	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
10052	500044.28	3734693.11	0.000324	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
10053	500054.11	3734693.13	0.000322	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
10054	500063.93	3734693.15	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
10055	500073.75	3734693.16	0.000319	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.87E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
10056	500083.58	3734693.18	0.000317	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
10057	500093.4	3734693.2	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
10058	500103.23	3734693.22	0.000313	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
10059	500113.05	3734693.24	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
10060	500122.88	3734693.26	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
10061	500132.7	3734693.28	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.84E-05	0.00E+00	0.00E+00
10062	500142.53	3734693.3	0.000304	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.78E-05	0.00E+00	0.00E+00
10063	500152.35	3734693.32	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
10064	500162.17	3734693.34	0.0003	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
10065	500172	3734693.36	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
10066	500181.82	3734693.38	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
10067	500225.1	3733564.66	0.00241	4.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	4.44E-03	0.00E+00	0.00E+00	3.63E-04	7.74E-04	0.00E+00	0.00E+00
10068	500233.93	3733533.72	0.002391	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	4.41E-03	0.00E+00	0.00E+00	3.60E-04	7.68E-04	0.00E+00	0.00E+00
10069	500233.94	3733523.99	0.002453	4.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03	4.52E-03	0.00E+00	0.00E+00	3.69E-04	7.88E-04	0.00E+00	0.00E+00
10070	500233.95	3733514.27	0.002521	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03	4.65E-03	0.00E+00	0.00E+00	3.80E-04	8.10E-04	0.00E+00	0.00E+00
10071	500233.96	3733504.54	0.002598	4.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	4.79E-03	0.00E+00	0.00E+00	3.91E-04	8.34E-04	0.00E+00	0.00E+00
10072	500233.97	3733494.82	0.002679	4.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03	4.94E-03	0.00E+00	0.00E+00	4.03E-04	8.60E-04	0.00E+00	0.00E+00
10073	500233.98	3733485.09	0.002762	5.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	5.09E-03	0.00E+00	0.00E+00	4.16E-04	8.87E-04	0.00E+00	0.00E+00
10074	500233.99	3733475.37	0.002844	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	5.24E-03	0.00E+00	0.00E+00	4.28E-04	9.13E-04	0.00E+00	0.00E+00
10075	500234	3733465.65	0.002921	5.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	5.38E-03	0.00E+00	0.00E+00	4.40E-04	9.38E-04	0.00E+00	0.00E+00
10076	500234.01	3733455.92	0.002994	5.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	5.52E-03	0.00E+00	0.00E+00	4.51E-04	9.62E-04	0.00E+00	0.00E+00

10077	500234.02	3733446.2	0.003067	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.65E-03	0.00E+00	0.00E+00	4.62E-04	9.85E-04	0.00E+00	0.00E+00
10078	500234.03	3733436.47	0.003136	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03	5.78E-03	0.00E+00	0.00E+00	4.72E-04	1.01E-03	0.00E+00	0.00E+00
10079	500234.04	3733426.75	0.0032	5.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03	5.90E-03	0.00E+00	0.00E+00	4.82E-04	1.03E-03	0.00E+00	0.00E+00
10080	500234.05	3733417.02	0.003259	6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	6.01E-03	0.00E+00	0.00E+00	4.91E-04	1.05E-03	0.00E+00	0.00E+00
10081	500234.06	3733407.3	0.003313	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-03	6.11E-03	0.00E+00	0.00E+00	4.99E-04	1.06E-03	0.00E+00	0.00E+00
10082	500234.09	3733378.13	0.003448	6.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	6.35E-03	0.00E+00	0.00E+00	5.19E-04	1.11E-03	0.00E+00	0.00E+00
10083	500234.1	3733368.4	0.003484	6.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	6.42E-03	0.00E+00	0.00E+00	5.24E-04	1.12E-03	0.00E+00	0.00E+00
10084	500234.11	3733358.68	0.003514	6.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	6.48E-03	0.00E+00	0.00E+00	5.29E-04	1.13E-03	0.00E+00	0.00E+00
10085	500234.12	3733348.95	0.003541	6.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.53E-03	0.00E+00	0.00E+00	5.33E-04	1.14E-03	0.00E+00	0.00E+00
10086	500234.13	3733339.23	0.003563	6.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03	6.57E-03	0.00E+00	0.00E+00	5.36E-04	1.14E-03	0.00E+00	0.00E+00
10087	500234.14	3733329.5	0.003581	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03	6.60E-03	0.00E+00	0.00E+00	5.39E-04	1.15E-03	0.00E+00	0.00E+00
10088	500234.15	3733319.78	0.003595	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03	6.63E-03	0.00E+00	0.00E+00	5.41E-04	1.15E-03	0.00E+00	0.00E+00
10089	500234.16	3733310.05	0.003604	6.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	6.64E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10090	500234.17	3733300.33	0.003609	6.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	6.65E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10091	500234.18	3733290.61	0.003609	6.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	6.65E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10092	500234.19	3733280.88	0.003605	6.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	6.64E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10093	500234.2	3733271.16	0.003595	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	6.63E-03	0.00E+00	0.00E+00	5.41E-04	1.15E-03	0.00E+00	0.00E+00
10094	500234.21	3733261.43	0.003581	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03	6.60E-03	0.00E+00	0.00E+00	5.39E-04	1.15E-03	0.00E+00	0.00E+00
10095	500234.22	3733251.71	0.003563	6.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03	6.57E-03	0.00E+00	0.00E+00	5.36E-04	1.14E-03	0.00E+00	0.00E+00
10096	500234.23	3733241.98	0.003541	6.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.53E-03	0.00E+00	0.00E+00	5.33E-04	1.14E-03	0.00E+00	0.00E+00
10097	500234.24	3733232.26	0.003516	6.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-03	6.48E-03	0.00E+00	0.00E+00	5.29E-04	1.13E-03	0.00E+00	0.00E+00
10098	500234.25	3733222.53	0.003488	6.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-03	6.43E-03	0.00E+00	0.00E+00	5.25E-04	1.12E-03	0.00E+00	0.00E+00
10099	500234.26	3733212.81	0.003457	6.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	6.37E-03	0.00E+00	0.00E+00	5.20E-04	1.11E-03	0.00E+00	0.00E+00
10100	500234.27	3733203.09	0.003422	6.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	6.31E-03	0.00E+00	0.00E+00	5.15E-04	1.10E-03	0.00E+00	0.00E+00
10101	500246.87	3733560.43	0.001978	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.65E-03	0.00E+00	0.00E+00	2.98E-04	6.35E-04	0.00E+00	0.00E+00
10102	500243.34	3733568.92	0.002004	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	3.69E-03	0.00E+00	0.00E+00	3.02E-04	6.43E-04	0.00E+00	0.00E+00
10103	500239.81	3733577.4	0.002025	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.73E-03	0.00E+00	0.00E+00	3.05E-04	6.50E-04	0.00E+00	0.00E+00
10104	500227.79	3733589.39	0.002171	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
10105	500219.29	3733592.89	0.002308	4.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.25E-03	0.00E+00	0.00E+00	3.47E-04	7.41E-04	0.00E+00	0.00E+00
10106	500254.09	3733378.15	0.002656	4.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	4.90E-03	0.00E+00	0.00E+00	4.00E-04	8.53E-04	0.00E+00	0.00E+00
10107	500254.1	3733368.42	0.002687	4.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	4.95E-03	0.00E+00	0.00E+00	4.05E-04	8.63E-04	0.00E+00	0.00E+00
10108	500254.11	3733358.7	0.002712	5.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	5.00E-03	0.00E+00	0.00E+00	4.08E-04	8.71E-04	0.00E+00	0.00E+00
10109	500254.12	3733348.97	0.002734	5.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03	5.04E-03	0.00E+00	0.00E+00	4.12E-04	8.78E-04	0.00E+00	0.00E+00
10110	500254.13	3733339.25	0.002753	5.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03	5.07E-03	0.00E+00	0.00E+00	4.14E-04	8.84E-04	0.00E+00	0.00E+00
10111	500254.14	3733329.52	0.002771	5.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	5.11E-03	0.00E+00	0.00E+00	4.17E-04	8.90E-04	0.00E+00	0.00E+00
10112	500254.15	3733319.8	0.002788	5.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03	5.14E-03	0.00E+00	0.00E+00	4.20E-04	8.95E-04	0.00E+00	0.00E+00
10113	500254.16	3733310.08	0.002802	5.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.16E-03	0.00E+00	0.00E+00	4.22E-04	9.00E-04	0.00E+00	0.00E+00
10114	500254.17	3733300.35	0.002811	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	5.18E-03	0.00E+00	0.00E+00	4.23E-04	9.03E-04	0.00E+00	0.00E+00
10115	500254.18	3733290.63	0.002817	5.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	5.19E-03	0.00E+00	0.00E+00	4.24E-04	9.05E-04	0.00E+00	0.00E+00
10116	500254.19	3733280.9	0.002819	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	5.20E-03	0.00E+00	0.00E+00	4.24E-04	9.05E-04	0.00E+00	0.00E+00
10117	500254.2	3733271.18	0.002818	5.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	5.19E-03	0.00E+00	0.00E+00	4.24E-04	9.05E-04	0.00E+00	0.00E+00
10118	500254.21	3733261.45	0.002812	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	5.18E-03	0.00E+00	0.00E+00	4.23E-04	9.03E-04	0.00E+00	0.00E+00
10119	500254.22	3733251.73	0.002804	5.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.17E-03	0.00E+00	0.00E+00	4.22E-04	9.01E-04	0.00E+00	0.00E+00
10120	500254.23	3733242	0.002795	5.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.15E-03	0.00E+00	0.00E+00	4.21E-04	8.98E-04	0.00E+00	0.00E+00
10121	500254.24	3733232.28	0.002787	5.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03	5.14E-03	0.00E+00	0.00E+00	4.20E-04	8.95E-04	0.00E+00	0.00E+00
10122	500254.25	3733222.56	0.002777	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	5.12E-03	0.00E+00	0.00E+00	4.18E-04	8.92E-04	0.00E+00	0.00E+00
10123	500270.56	3733551.56	0.001642	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
10124	500242.31	3733603.39	0.001858	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.42E-03	0.00E+00	0.00E+00	2.80E-04	5.97E-04	0.00E+00	0.00E+00
10125	500226.13	3733610.06	0.002059	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.79E-03	0.00E+00	0.00E+00	3.10E-04	6.61E-04	0.00E+00	0.00E+00
10126	500273.93	3733533.76	0.001639	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.02E-03	0.00E+00	0.00E+00	2.47E-04	5.26E-04	0.00E+00	0.00E+00
10127	500273.96	3733504.58	0.001711	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.15E-03	0.00E+00	0.00E+00	2.58E-04	5.49E-04	0.00E+00	0.00E+00
10128	500273.97	3733494.86	0.001739	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
10129	500273.98	3733485.14	0.001768	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.26E-03	0.00E+00	0.00E+00	2.66E-04	5.68E-04	0.00E+00	0.00E+00
10130	500273.99	3733475.41	0.0018	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
10131	500274	3733465.69	0.001832	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.38E-03	0.00E+00	0.00E+00	2.76E-04	5.88E-04	0.00E+00	0.00E+00
10132	500274.01	3733455.96	0.001866	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
10133	500274.02	3733446.24	0.0019	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
10134	500274.05	3733417.06	0.002	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	3.69E-03	0.00E+00	0.00E+00	3.01E-04	6.42E-04	0.00E+00	0.00E+00
10135	500274.06	3733407.34	0.002032	3.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.75E-03	0.00E+00	0.00E+00	3.06E-04	6.53E-04	0.00E+00	0.00E+00
10136	500274.07	3733397.62	0.002062	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.80E-03	0.00E+00	0.00E+00	3.10E-04	6.62E-04	0.00E+00	0.00E+00
10137	500274.08	3733387.89	0.00209	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.85E-03	0.00E+00	0.00E+00	3.15E-04	6.71E-04	0.00E+00	0.00E+00
10138	500274.09	3733378.17	0.002116	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	3.90E-03	0.00E+00	0.00E+00	3.19E-04	6.80E-04	0.00E+00	0.00E+00
10139	500274.1	3733368.44	0.00214	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.94E-03	0.00E+00	0.00E+00	3.22E-04	6.87E-04	0.00E+00	0.00E+00
10140	500274.13	3733339.27	0.0022	4.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	4.06E-03	0.00E+00	0.00E+00	3.31E-04	7.07E-04	0.00E+00	0.00E+00
10141	500274.14	3733329.54	0.002217	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.09E-03	0.00E+00	0.00E+00	3.34E-04	7.12E-04	0.00E+00	0.00E+00
10142	500274.15	3733319.82	0.002233	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	4.12E-03	0.00E+00	0.00E+00	3.36E-04	7.17E-04	0.00E+00	0.00E+00
10143	500274.16	3733310.1	0.002247	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.14E-03	0.00E+00	0.00E+00	3.38E-04	7.22E-04	0.00E+00	0.00E+00
10144	500274.17	3733300.37	0.002258	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.16E-03	0.00E+00	0.00E+00	3.40E-04	7.25E-04	0.00E+00	0.00E+00
10145	500274.18	3733290.65	0.002267	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.18E-03	0.00E+00	0.00E+00	3.41E-04	7.28E-04	0.00E+00	0.00E+00
10146	500274.19	3733280.92	0.002273	4.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.19E-03	0.00E+00	0.00E+00	3.42E-04	7.30E-04	0.00E+00	0.00E+00
10147	500274.22	3733251.75	0.002279	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
10148	500274.23	3733242.02	0.002279	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
10149	500274.24	3733232.3	0.002278	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
10150	500274.25	3733222.58	0.002276	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.31E-04	0.00E+00	0.00E+00
10151	500290.25	3733552.34	0.001411	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.53E-04	0.00E+00	0.00E+00
10152	500286.57	3733561.18	0.001435	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.16E-04	4.61E-04	0.00E+00	0.00E+00
10153	500282.9	3733570.02	0.001458	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.19E-04	4.68E-04	0.00E+00	0.00E+00
10154	500279.22	3733578.86	0.00148	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.75E-04	0.00E+00	0.00E+00
10155	500275.55	3733587.7	0.0015	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.26E-04	4.82E-04	0.00E+00	0.00E+00
10156	500255.67	3733617.86	0.001631	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.01E-03	0.00E+00	0.00E+00	2.46E-04	5.24E-04	0.00E+00	0.00E+00
10157	500246.82	3733621.51	0.001718	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
10158	500237.97	3733625.16	0.001808	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.81E-04	0.00E+00	0.00E+00
10159	500229.12	3733628.81	0.001899	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
10160	500220.27	3733632.46	0.001992	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	3.67E-03	0.00E+00	0.00E+00	3.00E-04	6.40E-04	0.00E+00	0.00E+00
10161	500293.92	3733543.5	0.001386	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
10162	500293.93	3733533.78	0.0014	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.58E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
10163	500293.96	3733504.61	0.001447	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
10164	500293.97	3733494.88	0.001465	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.70E-04	0.00E+00	0.00E+00
10165	500293.98	3733485.16	0.001484	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.77E-04	0.00E+00	0.00E+00
10166	500293.99	3733475.43	0.001504	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.77E-03	0.00E+00	0.00E+00	2.26E-04	4.83E-04	0.00E+00	0.00E+00
10167	500294	3733465.71	0.001525	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.81E-03	0.00E+00	0.00E+00	2.30E-04	4.90E-04	0.00E+00	0.00E+00
10168	500294.01	3733455.98	0.001548	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.85E-03	0.00E+00	0.00E+00	2.33E-04	4.97E-04	0.00E+00	0.00E+00
10169	500294.02	3733446.26	0.001571	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
10170	500294.05	3733417.09	0.001641	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
10171	500294.06	3733407.36	0.001665	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.35E-04	0.00E+00	0.00E+00
10172	500294.07	3733397.64	0.001687	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.42E-04	0.00E+00	0.00E+00
10173	500294.08	3733387.91	0.001708	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.15E-03	0.00E+00	0.00E+00	2.57E-04	5.49E-04	0.00E+00	0.00E+00
10174	500294.09	3733378.19	0.001728	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.19E-03	0.00E+00	0.00E+00	2.60E-04	5.55E-04	0.00E+00	0.00E+00
10175	500294.1	3733368.46	0.001747	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
10176	500294.13	3733339.29	0.001801	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
10177	500294.14	3733329.57	0.001816	3.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.35E-03	0.00E+00	0.00E+00	2.73E-04	5.83E-04	0.00E+00	0.00E+00
10178	500294.15	3733319.84	0.001831	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.37E-03	0.00E+00	0.00E+00	2.76E-04	5.88E-04	0.00E+00	0.00E+00
10179	500294.16	3733310.12	0.001843	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.40E-03	0.00E+00	0.00E+00	2.78E-04	5.92E-04	0.00E+00	0.00E+00
10180	500294.17	3733300.39	0.001855	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.42E-03	0.00E+00	0.00E+00	2.79E-04	5.96E-04	0.00E+00	0.00E+00
10181	500294.18	3733290.67	0.001865	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
10182	500294.19	3733280.94	0.001873	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.02E-04	0.00E+00	0.00E+00
10183	500294.22	3733251.77	0.001893	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.08E-04	0.00E+00	0.00E+00
10184	500294.23	3733242.05	0.001897	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.09E-04	0.00E+00	0.00E+00
10185	500294.24	3733232.32	0.0019	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
10186	500294.25	3733222.6	0.001902	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.86E-04	6.11E-04	0.00E+00	0.00E+00
10187	500294.26	3733212.87	0.001904	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.11E-04	0.00E+00	0.00E+00
10188	500294.27	3733203.15	0.001904	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.11E-04	0.00E+00	0.00E+00

10189	500310.39	3733552.01	0.001224	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
10190	500306.87	3733560.49	0.001245	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	4.00E-04	0.00E+00	0.00E+00
10191	500303.34	3733568.98	0.001265	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
10192	500299.81	3733577.47	0.001284	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.37E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
10193	500296.28	3733585.95	0.001303	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
10194	500285.7	3733611.41	0.001352	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.49E-03	0.00E+00	0.00E+00	2.04E-04	4.34E-04	0.00E+00	0.00E+00
10195	500282.17	3733619.89	0.001365	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.52E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
10196	500270.15	3733631.88	0.001442	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
10197	500261.65	3733635.38	0.001511	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.85E-04	0.00E+00	0.00E+00
10198	500253.16	3733638.89	0.001581	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.38E-04	5.08E-04	0.00E+00	0.00E+00
10199	500244.66	3733642.39	0.001653	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
10200	500236.16	3733645.89	0.001726	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.18E-03	0.00E+00	0.00E+00	2.60E-04	5.54E-04	0.00E+00	0.00E+00
10201	500227.67	3733649.39	0.0018	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
10202	500313.92	3733543.52	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
10203	500313.93	3733533.8	0.001213	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
10204	500313.96	3733504.63	0.001244	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	4.00E-04	0.00E+00	0.00E+00
10205	500313.97	3733494.9	0.001256	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.31E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
10206	500313.98	3733485.18	0.001268	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.07E-04	0.00E+00	0.00E+00
10207	500313.99	3733475.45	0.001281	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
10208	500314	3733465.73	0.001295	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
10209	500314.01	3733456	0.00131	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.97E-04	4.21E-04	0.00E+00	0.00E+00
10210	500314.02	3733446.28	0.001326	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.44E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
10211	500314.05	3733417.11	0.001375	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
10212	500314.06	3733407.38	0.001392	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.47E-04	0.00E+00	0.00E+00
10213	500314.07	3733397.66	0.001408	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
10214	500314.08	3733387.93	0.001425	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.63E-03	0.00E+00	0.00E+00	2.14E-04	4.57E-04	0.00E+00	0.00E+00
10215	500314.09	3733378.21	0.001441	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
10216	500314.1	3733368.48	0.001457	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.19E-04	4.68E-04	0.00E+00	0.00E+00
10217	500314.13	3733339.31	0.001502	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.77E-03	0.00E+00	0.00E+00	2.26E-04	4.82E-04	0.00E+00	0.00E+00
10218	500314.14	3733329.59	0.001516	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.87E-04	0.00E+00	0.00E+00
10219	500314.15	3733319.86	0.001529	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.91E-04	0.00E+00	0.00E+00
10220	500314.16	3733310.14	0.001541	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
10221	500314.17	3733300.41	0.001552	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.34E-04	4.98E-04	0.00E+00	0.00E+00
10222	500314.18	3733290.69	0.001562	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.01E-04	0.00E+00	0.00E+00
10223	500314.19	3733280.96	0.00157	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
10224	500314.22	3733251.79	0.001595	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.12E-04	0.00E+00	0.00E+00
10225	500314.23	3733242.07	0.001602	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
10226	500314.24	3733232.34	0.001608	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.96E-03	0.00E+00	0.00E+00	2.42E-04	5.16E-04	0.00E+00	0.00E+00
10227	500314.25	3733222.62	0.001613	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.97E-03	0.00E+00	0.00E+00	2.43E-04	5.18E-04	0.00E+00	0.00E+00
10228	500314.26	3733212.89	0.001618	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
10229	500314.27	3733203.17	0.001622	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.21E-04	0.00E+00	0.00E+00
10230	500330.49	3733551.79	0.001073	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
10231	500323.63	3733568.29	0.001108	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10232	500316.77	3733584.79	0.001143	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
10233	500303.05	3733617.79	0.001202	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
10234	500296.2	3733634.29	0.001226	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
10235	500284.51	3733645.95	0.00129	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.14E-04	0.00E+00	0.00E+00
10236	500267.99	3733652.76	0.001403	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.59E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
10237	500251.46	3733659.57	0.001521	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
10238	500234.94	3733666.38	0.001642	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
10239	500333.93	3733533.82	0.001062	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
10240	500333.96	3733504.65	0.001083	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.00E-03	0.00E+00	0.00E+00	1.63E-04	3.48E-04	0.00E+00	0.00E+00
10241	500333.97	3733494.92	0.00109	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
10242	500333.98	3733485.2	0.001099	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.53E-04	0.00E+00	0.00E+00
10243	500333.99	3733475.47	0.001107	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10244	500334	3733465.75	0.001117	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.68E-04	3.59E-04	0.00E+00	0.00E+00
10245	500334.01	3733456.02	0.001127	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
10246	500334.02	3733446.3	0.001138	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
10247	500334.04	3733426.85	0.001161	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.73E-04	0.00E+00	0.00E+00
10248	500334.05	3733417.13	0.001173	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
10249	500334.06	3733407.4	0.001184	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
10250	500334.07	3733397.68	0.001196	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
10251	500334.08	3733387.95	0.001209	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
10252	500334.09	3733378.23	0.001222	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
10253	500334.1	3733368.5	0.001235	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
10254	500334.13	3733339.33	0.001273	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
10255	500334.14	3733329.61	0.001284	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.37E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
10256	500334.15	3733319.88	0.001295	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
10257	500334.16	3733310.16	0.001306	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.20E-04	0.00E+00	0.00E+00
10258	500334.17	3733300.43	0.001317	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
10259	500334.18	3733290.71	0.001327	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
10260	500334.19	3733280.98	0.001336	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.29E-04	0.00E+00	0.00E+00
10261	500334.22	3733251.81	0.001363	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
10262	500334.23	3733242.09	0.001371	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.06E-04	4.40E-04	0.00E+00	0.00E+00
10263	500334.24	3733232.36	0.001379	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
10264	500334.25	3733222.64	0.001386	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.55E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
10265	500334.26	3733212.91	0.001393	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.47E-04	0.00E+00	0.00E+00
10266	500350.3	3733552.27	0.00095	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
10267	500346.68	3733560.97	0.000966	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
10268	500343.07	3733569.67	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
10269	500339.45	3733578.38	0.000999	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.21E-04	0.00E+00	0.00E+00
10270	500335.83	3733587.08	0.001015	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
10271	500324.98	3733613.19	0.001061	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
10272	500321.36	3733621.89	0.001074	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
10273	500317.74	3733630.6	0.001087	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
10274	500314.12	3733639.3	0.001099	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.65E-04	3.53E-04	0.00E+00	0.00E+00
10275	500310.5	3733648	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10276	500298.17	3733660.3	0.001167	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
10277	500289.46	3733663.89	0.001217	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
10278	500280.74	3733667.48	0.001269	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
10279	500272.03	3733671.07	0.001322	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
10280	500263.32	3733674.67	0.001375	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
10281	500254.6	3733678.26	0.00143	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
10282	500245.89	3733681.85	0.001485	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.77E-04	0.00E+00	0.00E+00
10283	500237.17	3733685.44	0.00154	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.94E-04	0.00E+00	0.00E+00
10284	500228.46	3733689.03	0.001594	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.12E-04	0.00E+00	0.00E+00
10285	500219.75	3733692.62	0.001648	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.04E-03	0.00E+00	0.00E+00	2.48E-04	5.29E-04	0.00E+00	0.00E+00
10286	500353.92	3733543.56	0.000933	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
10287	500353.93	3733533.84	0.000938	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
10288	500353.96	3733504.67	0.000952	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.06E-04	0.00E+00	0.00E+00
10289	500353.97	3733494.94	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
10290	500353.98	3733485.22	0.000962	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
10291	500353.99	3733475.49	0.000968	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
10292	500354	3733465.77	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
10293	500354.01	3733456.04	0.000981	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
10294	500354.02	3733446.32	0.000989	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
10295	500354.05	3733417.15	0.001014	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
10296	500354.06	3733407.42	0.001022	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
10297	500354.07	3733397.7	0.001032	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
10298	500354.08	3733387.97	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
10299	500354.09	3733378.25	0.001051	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
10300	500354.1	3733368.52	0.001062	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00

10301	500354.13	3733339.35	0.001093	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.65E-04	3.51E-04	0.00E+00	0.00E+00
10302	500354.14	3733329.63	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
10303	500354.15	3733319.9	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
10304	500354.16	3733310.18	0.001121	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
10305	500354.17	3733300.45	0.001131	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
10306	500354.18	3733290.73	0.001141	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
10307	500354.19	3733281	0.00115	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
10308	500354.22	3733251.83	0.001178	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
10309	500354.23	3733242.11	0.001187	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
10310	500354.24	3733232.38	0.001195	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
10311	500354.25	3733222.66	0.001203	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
10312	500370.39	3733552.07	0.000846	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
10313	500366.86	3733560.56	0.00086	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.59E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
10314	500363.34	3733569.04	0.000874	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
10315	500359.81	3733577.53	0.000889	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
10316	500356.28	3733586.01	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
10317	500342.17	3733619.96	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
10318	500338.65	3733628.44	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
10319	500335.12	3733636.93	0.000981	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
10320	500312.51	3733674.37	0.00106	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.40E-04	0.00E+00	0.00E+00
10321	500304.02	3733677.87	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
10322	500295.52	3733681.38	0.001146	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
10323	500287.02	3733684.88	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
10324	500278.53	3733688.38	0.001235	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
10325	500270.03	3733691.88	0.001281	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
10326	500261.53	3733695.38	0.001327	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
10327	500253.04	3733698.89	0.001373	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
10328	500244.54	3733702.39	0.00142	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
10329	500236.05	3733705.89	0.001466	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.71E-04	0.00E+00	0.00E+00
10330	500227.55	3733709.39	0.001512	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
10331	500373.92	3733543.59	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
10332	500373.93	3733533.86	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
10333	500373.94	3733524.14	0.000837	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
10334	500373.96	3733504.69	0.000843	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
10335	500373.97	3733494.96	0.000846	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
10336	500373.98	3733485.24	0.00085	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
10337	500373.99	3733475.51	0.000854	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	1.57E-03	0.00E+00	0.00E+00	1.29E-04	2.74E-04	0.00E+00	0.00E+00
10338	500374	3733465.79	0.000858	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
10339	500374.01	3733456.07	0.000863	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
10340	500374.05	3733417.17	0.000886	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
10341	500374.06	3733407.44	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
10342	500374.07	3733397.72	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
10343	500374.08	3733387.99	0.000908	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.91E-04	0.00E+00	0.00E+00
10344	500374.09	3733378.27	0.000915	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
10345	500374.1	3733368.55	0.000924	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
10346	500374.14	3733329.65	0.000958	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
10347	500374.15	3733319.92	0.000966	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
10348	500374.16	3733310.2	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
10349	500374.17	3733300.47	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
10350	500374.18	3733290.75	0.000992	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.19E-04	0.00E+00	0.00E+00
10351	500374.22	3733251.85	0.001028	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.55E-04	3.30E-04	0.00E+00	0.00E+00
10352	500374.23	3733242.13	0.001036	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
10353	500374.24	3733232.4	0.001045	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
10354	500390.25	3733552.44	0.000759	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
10355	500386.57	3733561.28	0.000772	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10356	500382.9	3733570.12	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
10357	500379.22	3733578.96	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
10358	500375.55	3733587.8	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
10359	500360.85	3733623.16	0.000863	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
10360	500357.18	3733632	0.000875	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
10361	500353.5	3733640.84	0.000887	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
10362	500308.58	3733695.98	0.001049	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
10363	500299.73	3733699.63	0.001089	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
10364	500290.88	3733703.27	0.00113	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
10365	500282.03	3733706.92	0.001172	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
10366	500273.18	3733710.57	0.001214	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
10367	500264.33	3733714.22	0.001256	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
10368	500255.48	3733717.86	0.001299	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.96E-04	4.17E-04	0.00E+00	0.00E+00
10369	500246.63	3733721.51	0.001341	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
10370	500237.78	3733725.16	0.001383	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.44E-04	0.00E+00	0.00E+00
10371	500228.93	3733728.81	0.001425	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.58E-04	0.00E+00	0.00E+00
10372	500220.08	3733732.46	0.001465	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.71E-04	0.00E+00	0.00E+00
10373	500393.92	3733543.61	0.000746	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
10374	500393.93	3733533.88	0.000747	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
10375	500393.94	3733524.16	0.000749	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10376	500393.95	3733514.43	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10377	500393.96	3733504.71	0.000753	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
10378	500393.97	3733494.98	0.000755	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
10379	500393.98	3733485.26	0.000757	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
10380	500393.99	3733475.53	0.00076	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
10381	500394	3733465.81	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10382	500394.01	3733456.09	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10383	500394.02	3733446.36	0.00077	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
10384	500394.03	3733436.64	0.000774	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10385	500394.04	3733426.91	0.000778	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
10386	500394.05	3733417.19	0.000783	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
10387	500394.06	3733407.46	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
10388	500394.07	3733397.74	0.000794	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
10389	500394.08	3733388.01	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
10390	500394.09	3733378.29	0.000806	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
10391	500394.1	3733368.57	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
10392	500394.11	3733358.84	0.000819	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
10393	500394.12	3733349.12	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
10394	500394.13	3733339.39	0.000833	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.54E-03	0.00E+00	0.00E+00	1.25E-04	2.68E-04	0.00E+00	0.00E+00
10395	500394.14	3733329.67	0.000841	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
10396	500394.15	3733319.94	0.000848	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
10397	500394.16	3733310.22	0.000855	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
10398	500394.17	3733300.49	0.000863	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
10399	500394.18	3733290.77	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
10400	500394.19	3733281.05	0.000879	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
10401	500394.2	3733271.32	0.000888	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
10402	500394.21	3733261.6	0.000896	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
10403	500394.22	3733251.87	0.000904	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
10404	500394.23	3733242.15	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
10405	500420.36	3733552.2	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
10406	500416.8	3733560.76	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
10407	500413.24	3733569.32	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10408	500409.69	3733577.88	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
10409	500406.13	3733586.44	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
10410	500402.57	3733595	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
10411	500399.01	3733603.56	0.000716	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10412	500395.45	3733612.12	0.000727	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.34E-04	0.00E+00	0.00E+00

10413	500391.89	3733620.68	0.000738	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
10414	500388.34	3733629.24	0.000749	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
10415	500384.78	3733637.8	0.000759	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
10416	500313.46	3733723.94	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
10417	500304.89	3733727.47	0.001016	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
10418	500296.31	3733731.01	0.00105	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
10419	500423.92	3733543.64	0.00064	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
10420	500423.93	3733533.91	0.00064	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.64E-05	2.06E-04	0.00E+00	0.00E+00
10421	500423.94	3733524.19	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
10422	500423.95	3733514.46	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
10423	500423.96	3733504.74	0.000643	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	1.18E-03	0.00E+00	0.00E+00	9.68E-05	2.06E-04	0.00E+00	0.00E+00
10424	500423.97	3733495.01	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
10425	500423.98	3733485.29	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
10426	500423.99	3733475.57	0.000646	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	1.19E-03	0.00E+00	0.00E+00	9.73E-05	2.08E-04	0.00E+00	0.00E+00
10427	500424	3733465.84	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
10428	500424.01	3733456.12	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
10429	500424.02	3733446.39	0.000652	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.82E-05	2.09E-04	0.00E+00	0.00E+00
10430	500424.03	3733436.67	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
10431	500424.04	3733426.94	0.000658	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
10432	500424.05	3733417.22	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
10433	500424.06	3733407.49	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
10434	500424.07	3733397.77	0.000668	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
10435	500424.08	3733388.05	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10436	500424.09	3733378.32	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
10437	500424.1	3733368.6	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
10438	500424.11	3733358.87	0.000686	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
10439	500424.12	3733349.15	0.000692	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
10440	500424.13	3733339.42	0.000697	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
10441	500424.14	3733329.7	0.000703	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
10442	500424.15	3733319.97	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
10443	500424.16	3733310.25	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10444	500424.17	3733300.53	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
10445	500424.18	3733290.8	0.000728	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
10446	500424.19	3733281.08	0.000735	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
10447	500424.2	3733271.35	0.000742	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
10448	500424.21	3733261.63	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10449	500424.22	3733251.9	0.000757	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
10450	500424.23	3733242.18	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10451	500424.24	3733232.45	0.000772	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10452	500424.25	3733222.73	0.00078	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
10453	500424.26	3733213.01	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
10454	500450.28	3733552.42	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
10455	500446.64	3733561.18	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.64E-05	1.84E-04	0.00E+00	0.00E+00
10456	500443	3733569.93	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
10457	500439.36	3733578.69	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.90E-04	0.00E+00	0.00E+00
10458	500435.72	3733587.44	0.000603	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
10459	500432.08	3733596.2	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
10460	500428.44	3733604.95	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.36E-05	2.00E-04	0.00E+00	0.00E+00
10461	500424.8	3733613.71	0.000632	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
10462	500421.16	3733622.46	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
10463	500417.53	3733631.22	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.80E-05	2.09E-04	0.00E+00	0.00E+00
10464	500413.89	3733639.97	0.00066	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
10465	500272.3	3733770.88	0.001079	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
10466	500263.53	3733774.49	0.001108	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10467	500254.77	3733778.11	0.001137	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
10468	500246	3733781.72	0.001166	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
10469	500237.24	3733785.33	0.001195	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
10470	500228.47	3733788.95	0.001222	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
10471	500453.92	3733543.67	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
10472	500453.93	3733533.94	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
10473	500453.94	3733524.22	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
10474	500453.95	3733514.49	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
10475	500453.96	3733504.77	0.000556	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.02E-03	0.00E+00	0.00E+00	8.37E-05	1.78E-04	0.00E+00	0.00E+00
10476	500453.97	3733495.05	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
10477	500453.98	3733485.32	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
10478	500453.99	3733475.6	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
10479	500454	3733465.87	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
10480	500454.01	3733456.15	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.42E-05	1.80E-04	0.00E+00	0.00E+00
10481	500454.02	3733446.42	0.000561	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
10482	500454.03	3733436.7	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
10483	500454.04	3733426.97	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
10484	500454.05	3733417.25	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
10485	500454.06	3733407.53	0.000569	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
10486	500454.07	3733397.8	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.84E-04	0.00E+00	0.00E+00
10487	500454.08	3733388.08	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
10488	500454.09	3733378.35	0.000578	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
10489	500454.1	3733368.63	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.75E-05	1.87E-04	0.00E+00	0.00E+00
10490	500454.11	3733358.9	0.000585	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.08E-03	0.00E+00	0.00E+00	8.81E-05	1.88E-04	0.00E+00	0.00E+00
10491	500454.12	3733349.18	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
10492	500454.13	3733339.45	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.91E-04	0.00E+00	0.00E+00
10493	500454.14	3733329.73	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
10494	500454.15	3733320.01	0.000603	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.08E-05	1.94E-04	0.00E+00	0.00E+00
10495	500454.16	3733310.28	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.15E-05	1.95E-04	0.00E+00	0.00E+00
10496	500454.17	3733300.56	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
10497	500454.18	3733290.83	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
10498	500454.19	3733281.11	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
10499	500454.2	3733271.38	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
10500	500454.21	3733261.66	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
10501	500454.22	3733251.93	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
10502	500454.23	3733242.21	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
10503	500454.24	3733232.49	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
10504	500480.21	3733552.61	0.000494	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
10505	500476.51	3733561.53	0.000502	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
10506	500472.8	3733570.45	0.00051	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.40E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
10507	500469.09	3733579.36	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
10508	500465.39	3733588.28	0.000527	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
10509	500461.68	3733597.19	0.000536	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	9.87E-04	0.00E+00	0.00E+00	8.07E-05	1.72E-04	0.00E+00	0.00E+00
10510	500457.98	3733606.11	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
10511	500454.27	3733615.03	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
10512	500450.56	3733623.94	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
10513	500446.86	3733632.86	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
10514	500443.15	3733641.78	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
10515	500439.44	3733650.69	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
10516	500435.74	3733659.61	0.000595	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.96E-05	1.91E-04	0.00E+00	0.00E+00
10517	500432.03	3733668.52	0.000604	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
10518	500428.32	3733677.44	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.96E-04	0.00E+00	0.00E+00
10519	500424.62	3733686.36	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
10520	500345.11	3733770.85	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
10521	500336.18	3733774.53	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
10522	500327.26	3733778.21	0.000857	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
10523	500318.33	3733781.89	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
10524	500309.4	3733785.56	0.000909	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.92E-04	0.00E+00	0.00E+00

10525	500300.47	3733789.24	0.000934	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
10526	500291.55	3733792.92	0.00096	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.08E-04	0.00E+00	0.00E+00
10527	500282.62	3733796.6	0.000986	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.17E-04	0.00E+00	0.00E+00
10528	500273.69	3733800.28	0.001012	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
10529	500264.76	3733803.96	0.001037	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
10530	500255.84	3733807.64	0.001062	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
10531	500246.91	3733811.32	0.001087	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
10532	500237.98	3733815	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
10533	500229.06	3733818.68	0.001134	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.64E-04	0.00E+00	0.00E+00
10534	500483.92	3733543.7	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10535	500483.93	3733533.97	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10536	500483.94	3733524.25	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10537	500483.95	3733514.52	0.000485	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10538	500483.96	3733504.8	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10539	500483.97	3733495.08	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10540	500483.98	3733485.35	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10541	500483.99	3733475.63	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
10542	500484	3733465.9	0.000487	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
10543	500484.01	3733456.18	0.000487	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.56E-04	0.00E+00	0.00E+00
10544	500484.02	3733446.45	0.000488	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
10545	500484.03	3733436.73	0.000489	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
10546	500484.04	3733427	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
10547	500484.05	3733417.28	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
10548	500484.06	3733407.56	0.000494	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
10549	500484.07	3733397.83	0.000496	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.13E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
10550	500484.08	3733388.11	0.000498	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
10551	500484.09	3733378.38	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
10552	500484.1	3733368.66	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.62E-04	0.00E+00	0.00E+00
10553	500484.11	3733358.93	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.62E-05	1.62E-04	0.00E+00	0.00E+00
10554	500484.12	3733349.21	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
10555	500484.13	3733339.48	0.000512	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
10556	500484.14	3733329.76	0.000516	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
10557	500484.15	3733320.04	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
10558	500484.16	3733310.31	0.000524	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.68E-04	0.00E+00	0.00E+00
10559	500484.17	3733300.59	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
10560	500484.18	3733290.86	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
10561	500484.19	3733281.14	0.000539	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
10562	500484.2	3733271.41	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
10563	500484.21	3733261.69	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
10564	500484.22	3733251.96	0.000554	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
10565	500484.23	3733242.24	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.43E-05	1.80E-04	0.00E+00	0.00E+00
10566	500510.3	3733552.43	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
10567	500506.68	3733561.14	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
10568	500503.07	3733569.84	0.000449	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
10569	500499.45	3733578.54	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
10570	500495.83	3733587.25	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
10571	500492.21	3733595.95	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
10572	500488.59	3733604.65	0.000478	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
10573	500484.98	3733613.36	0.000485	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10574	500481.36	3733622.06	0.000493	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.08E-04	0.00E+00	0.00E+00	7.42E-05	1.58E-04	0.00E+00	0.00E+00
10575	500477.74	3733630.76	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
10576	500474.12	3733639.46	0.000507	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
10577	500470.5	3733648.17	0.000515	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.49E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
10578	500466.89	3733656.87	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
10579	500463.27	3733665.57	0.000529	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
10580	500459.65	3733674.28	0.000536	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
10581	500456.03	3733682.98	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.75E-04	0.00E+00	0.00E+00
10582	500452.42	3733691.68	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.29E-05	1.77E-04	0.00E+00	0.00E+00
10583	500448.8	3733700.39	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
10584	500445.18	3733709.09	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
10585	500441.56	3733717.79	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
10586	500437.94	3733726.5	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.67E-05	1.85E-04	0.00E+00	0.00E+00
10587	500411.14	3733773.61	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.36E-05	2.00E-04	0.00E+00	0.00E+00
10588	500402.43	3733777.2	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
10589	500393.71	3733780.79	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
10590	500385	3733784.38	0.00068	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
10591	500376.28	3733787.97	0.000701	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
10592	500367.57	3733791.56	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
10593	500358.86	3733795.16	0.000743	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
10594	500350.14	3733798.75	0.000764	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10595	500341.43	3733802.34	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
10596	500332.71	3733805.93	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
10597	500324	3733809.52	0.000829	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
10598	500315.28	3733813.11	0.000851	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
10599	500306.57	3733816.71	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
10600	500297.86	3733820.3	0.000894	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
10601	500289.14	3733823.89	0.000916	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
10602	500280.43	3733827.48	0.000938	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
10603	500271.71	3733831.07	0.000959	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
10604	500263	3733834.67	0.00098	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
10605	500254.29	3733838.26	0.001001	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
10606	500245.57	3733841.85	0.001021	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
10607	500236.86	3733845.44	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
10608	500228.14	3733849.03	0.00106	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.40E-04	0.00E+00	0.00E+00
10609	500219.43	3733852.62	0.001079	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
10610	500513.92	3733543.73	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
10611	500513.93	3733534	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
10612	500513.94	3733524.28	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10613	500513.95	3733514.56	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10614	500513.96	3733504.83	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
10615	500513.97	3733495.11	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
10616	500513.98	3733485.38	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
10617	500513.99	3733475.66	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.37E-04	0.00E+00	0.00E+00
10618	500514	3733465.93	0.000428	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10619	500514.01	3733456.21	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10620	500514.02	3733446.48	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
10621	500514.03	3733436.76	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
10622	500514.04	3733427.04	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
10623	500514.05	3733417.31	0.000432	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.96E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
10624	500514.06	3733407.59	0.000433	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
10625	500514.07	3733397.86	0.000435	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.01E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
10626	500514.08	3733388.14	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
10627	500514.09	3733378.41	0.000438	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
10628	500514.1	3733368.69	0.00044	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
10629	500514.11	3733358.96	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
10630	500514.12	3733349.24	0.000445	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
10631	500514.13	3733339.52	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
10632	500514.14	3733329.79	0.000451	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
10633	500514.15	3733320.07	0.000455	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
10634	500514.16	3733310.34	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
10635	500514.17	3733300.62	0.000462	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
10636	500514.18	3733290.89	0.000466	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00

10637	500514.19	3733281.17	0.00047	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.66E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
10638	500514.2	3733271.44	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
10639	500514.21	3733261.72	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
10640	500514.22	3733252	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
10641	500514.26	3733213.1	0.000503	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.28E-04	0.00E+00	0.00E+00	7.58E-05	1.62E-04	0.00E+00	0.00E+00
10642	500514.27	3733203.37	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
10643	500540.25	3733552.6	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
10644	500536.57	3733561.44	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.26E-04	0.00E+00	0.00E+00
10645	500532.9	3733570.28	0.0004	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
10646	500529.22	3733579.12	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
10647	500525.55	3733587.96	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
10648	500521.87	3733596.8	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
10649	500518.2	3733605.63	0.000425	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
10650	500514.52	3733614.47	0.000431	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
10651	500510.85	3733623.31	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
10652	500507.18	3733632.15	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
10653	500503.5	3733640.99	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
10654	500499.83	3733649.83	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
10655	500496.15	3733658.67	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.99E-05	1.49E-04	0.00E+00	0.00E+00
10656	500492.48	3733667.51	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
10657	500488.8	3733676.35	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
10658	500485.13	3733685.19	0.000484	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
10659	500481.45	3733694.03	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
10660	500477.78	3733702.87	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
10661	500474.11	3733711.71	0.000502	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.26E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
10662	500470.43	3733720.54	0.000508	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.37E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
10663	500448.38	3733773.58	0.000541	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.97E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
10664	500444.71	3733782.42	0.000546	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
10665	500432.19	3733794.91	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
10666	500423.33	3733798.55	0.000583	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
10667	500414.48	3733802.2	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.04E-05	1.93E-04	0.00E+00	0.00E+00
10668	500405.63	3733805.85	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
10669	500396.78	3733809.5	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
10670	500387.93	3733813.15	0.000654	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
10671	500379.08	3733816.79	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10672	500370.23	3733820.44	0.000692	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
10673	500361.38	3733824.09	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
10674	500352.53	3733827.74	0.00073	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
10675	500343.68	3733831.39	0.000749	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10676	500334.83	3733835.03	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
10677	500325.98	3733838.68	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
10678	500317.13	3733842.33	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
10679	500308.28	3733845.98	0.000827	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
10680	500299.43	3733849.62	0.000846	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
10681	500290.58	3733853.27	0.000865	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
10682	500281.73	3733856.92	0.000884	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
10683	500272.88	3733860.57	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
10684	500264.03	3733864.22	0.000921	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
10685	500255.18	3733867.86	0.000939	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
10686	500246.33	3733871.51	0.000956	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
10687	500237.48	3733875.16	0.000973	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
10688	500228.63	3733878.81	0.00099	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
10689	500219.78	3733882.46	0.001006	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
10690	500543.92	3733543.76	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10691	500543.93	3733534.04	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10692	500543.94	3733524.31	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10693	500543.95	3733514.59	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10694	500543.96	3733504.86	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10695	500543.97	3733495.14	0.000381	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10696	500543.98	3733485.41	0.00038	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10697	500543.99	3733475.69	0.00038	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10698	500544	3733465.96	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10699	500544.01	3733456.24	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10700	500544.02	3733446.52	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10701	500544.03	3733436.79	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10702	500544.04	3733427.07	0.000382	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
10703	500544.05	3733417.34	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
10704	500544.06	3733407.62	0.000384	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
10705	500544.07	3733397.89	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10706	500544.08	3733388.17	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
10707	500544.09	3733378.44	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
10708	500544.1	3733368.72	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
10709	500544.11	3733359	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
10710	500544.12	3733349.27	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
10711	500544.13	3733339.55	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
10712	500544.14	3733329.82	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
10713	500544.15	3733320.1	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
10714	500544.16	3733310.37	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
10715	500544.17	3733300.65	0.000407	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
10716	500544.18	3733290.92	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
10717	500544.19	3733281.2	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
10718	500544.2	3733271.48	0.000418	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
10719	500544.25	3733222.85	0.000438	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
10720	500544.26	3733213.13	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
10721	500544.27	3733203.4	0.000447	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
10722	500570.2	3733552.75	0.000348	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
10723	500566.47	3733561.7	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
10724	500562.75	3733570.66	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
10725	500559.03	3733579.62	0.000363	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
10726	500555.3	3733588.58	0.000369	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
10727	500551.58	3733597.53	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
10728	500547.86	3733606.49	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
10729	500544.13	3733615.45	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10730	500540.41	3733624.4	0.000391	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
10731	500536.69	3733633.36	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
10732	500532.96	3733642.32	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
10733	500529.24	3733651.28	0.000409	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
10734	500525.52	3733660.23	0.000415	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
10735	500521.79	3733669.19	0.000421	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
10736	500518.07	3733678.15	0.000427	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
10737	500514.34	3733687.1	0.000433	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
10738	500510.62	3733696.06	0.000438	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
10739	500506.9	3733705.02	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
10740	500503.17	3733713.98	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
10741	500499.45	3733722.93	0.000456	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.40E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
10742	500480.83	3733767.72	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
10743	500477.11	3733776.68	0.000487	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
10744	500473.39	3733785.63	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
10745	500469.66	3733794.59	0.000496	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.14E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
10746	500465.94	3733803.55	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
10747	500453.25	3733816.2	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
10748	500444.28	3733819.9	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.04E-05	1.71E-04	0.00E+00	0.00E+00

10749	500435.31	3733823.59	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
10750	500426.34	3733827.29	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
10751	500417.38	3733830.99	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.86E-04	0.00E+00	0.00E+00
10752	500408.41	3733834.68	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
10753	500399.44	3733838.38	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
10754	500390.47	3733842.08	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
10755	500381.5	3733845.77	0.000647	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.73E-05	2.08E-04	0.00E+00	0.00E+00
10756	500372.53	3733849.47	0.000663	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
10757	500363.57	3733853.17	0.000681	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
10758	500354.6	3733856.86	0.000698	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
10759	500345.63	3733860.56	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10760	500336.66	3733864.26	0.000732	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
10761	500327.69	3733867.95	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10762	500318.72	3733871.65	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10763	500309.76	3733875.34	0.000784	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
10764	500300.79	3733879.04	0.000801	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.57E-04	0.00E+00	0.00E+00
10765	500291.82	3733882.74	0.000818	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
10766	500282.85	3733886.43	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
10767	500273.88	3733890.13	0.000851	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
10768	500264.92	3733893.83	0.000867	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-04	1.60E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
10769	500255.95	3733897.52	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
10770	500246.98	3733901.22	0.000898	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
10771	500238.01	3733904.92	0.000912	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
10772	500229.04	3733908.61	0.000927	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
10773	500220.07	3733912.31	0.000941	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
10774	500573.92	3733543.79	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
10775	500573.93	3733534.07	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10776	500573.94	3733524.34	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10777	500573.95	3733514.62	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10778	500573.96	3733504.89	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10779	500573.97	3733495.17	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10780	500573.98	3733485.44	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10781	500573.99	3733475.72	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10782	500574	3733466	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10783	500574.01	3733456.27	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10784	500574.02	3733446.55	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10785	500574.03	3733436.82	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10786	500574.04	3733427.1	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10787	500574.05	3733417.37	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
10788	500574.06	3733407.65	0.000344	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
10789	500574.07	3733397.92	0.000345	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
10790	500574.08	3733388.2	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
10791	500574.09	3733378.48	0.000347	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
10792	500574.1	3733368.75	0.000348	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
10793	500574.11	3733359.03	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
10794	500574.12	3733349.3	0.000352	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
10795	500574.13	3733339.58	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
10796	500574.14	3733329.85	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
10797	500574.15	3733320.13	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
10798	500574.16	3733310.4	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
10799	500574.17	3733300.68	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
10800	500574.18	3733290.96	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
10801	500574.19	3733281.23	0.000368	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.79E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
10802	500574.24	3733232.61	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10803	500574.25	3733222.88	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
10804	500574.26	3733213.16	0.000393	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
10805	500574.27	3733203.44	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
10806	500596.62	3733561.39	0.000318	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
10807	500592.96	3733570.18	0.000322	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
10808	500589.31	3733578.96	0.000327	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.02E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
10809	500585.66	3733587.75	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
10810	500582.01	3733596.54	0.000336	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
10811	500578.35	3733605.32	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10812	500574.7	3733614.11	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
10813	500571.05	3733622.89	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
10814	500567.4	3733631.68	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
10815	500563.75	3733640.46	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
10816	500560.09	3733649.25	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
10817	500556.44	3733658.04	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
10818	500552.79	3733666.82	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
10819	500549.14	3733675.61	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10820	500545.48	3733684.39	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
10821	500541.83	3733693.18	0.000391	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
10822	500538.18	3733701.96	0.000396	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
10823	500534.53	3733710.75	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
10824	500530.88	3733719.54	0.000407	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
10825	500508.96	3733772.25	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
10826	500505.31	3733781.03	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
10827	500501.66	3733789.82	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
10828	500498.01	3733798.61	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
10829	500494.35	3733807.39	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
10830	500490.7	3733816.18	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
10831	500487.05	3733824.96	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
10832	500474.6	3733837.37	0.000477	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
10833	500465.8	3733841	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
10834	500457.01	3733844.63	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.62E-04	0.00E+00	0.00E+00
10835	500448.21	3733848.25	0.000516	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.52E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
10836	500439.41	3733851.88	0.00053	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.77E-04	0.00E+00	0.00E+00	7.98E-05	1.70E-04	0.00E+00	0.00E+00
10837	500430.62	3733855.5	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
10838	500421.82	3733859.13	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
10839	500413.03	3733862.76	0.000573	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.06E-03	0.00E+00	0.00E+00	8.62E-05	1.84E-04	0.00E+00	0.00E+00
10840	500404.23	3733866.38	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
10841	500395.43	3733870.01	0.000602	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.06E-05	1.93E-04	0.00E+00	0.00E+00
10842	500386.64	3733873.63	0.000616	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
10843	500377.84	3733877.26	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
10844	500369.04	3733880.88	0.000646	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	1.19E-03	0.00E+00	0.00E+00	9.73E-05	2.08E-04	0.00E+00	0.00E+00
10845	500360.25	3733884.51	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
10846	500351.45	3733888.14	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
10847	500342.65	3733891.76	0.000691	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
10848	500333.86	3733895.39	0.000706	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
10849	500325.06	3733899.01	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
10850	500316.26	3733902.64	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
10851	500307.47	3733906.26	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10852	500298.67	3733909.89	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10853	500289.87	3733913.52	0.000779	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
10854	500281.08	3733917.14	0.000793	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
10855	500272.28	3733920.77	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
10856	500263.48	3733924.39	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
10857	500254.69	3733928.02	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
10858	500245.89	3733931.64	0.000847	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
10859	500237.09	3733935.27	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
10860	500228.3	3733938.9	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00

10861	500219.5	3733942.52	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
10862	500604.22	3733252.09	0.000338	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.24E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
10863	500604.23	3733242.36	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10864	500604.24	3733232.64	0.000344	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
10865	500604.25	3733222.91	0.000348	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
10866	500604.26	3733213.19	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
10867	500604.27	3733203.47	0.000354	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.53E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
10868	500630.22	3733552.74	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
10869	500626.53	3733561.63	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
10870	500622.83	3733570.52	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
10871	500619.14	3733579.41	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
10872	500596.97	3733632.75	0.000321	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
10873	500593.27	3733641.64	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
10874	500589.57	3733650.53	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
10875	500585.88	3733659.42	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
10876	500582.18	3733668.31	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
10877	500578.49	3733677.2	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
10878	500574.79	3733686.09	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
10879	500571.1	3733694.98	0.000353	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
10880	500567.4	3733703.87	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
10881	500563.71	3733712.76	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
10882	500560.01	3733721.65	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
10883	500537.84	3733774.99	0.000394	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
10884	500534.14	3733783.88	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
10885	500530.45	3733792.77	0.000403	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
10886	500526.75	3733801.66	0.000407	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
10887	500523.06	3733810.55	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
10888	500519.36	3733819.43	0.000415	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
10889	500515.67	3733828.32	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
10890	500511.97	3733837.21	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
10891	500508.27	3733846.1	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
10892	500495.68	3733858.66	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
10893	500486.78	3733862.33	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
10894	500477.88	3733866	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
10895	500468.98	3733869.67	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
10896	500460.08	3733873.34	0.000488	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
10897	500451.17	3733877.01	0.000501	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
10898	500442.27	3733880.68	0.000514	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
10899	500433.37	3733884.34	0.000526	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
10900	500424.47	3733888.01	0.000539	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
10901	500415.57	3733891.68	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
10902	500406.67	3733895.35	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
10903	500397.77	3733899.02	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
10904	500388.87	3733902.69	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
10905	500379.97	3733906.36	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
10906	500371.07	3733910.02	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
10907	500362.17	3733913.69	0.000633	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
10908	500353.27	3733917.36	0.000647	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
10909	500344.36	3733921.03	0.00066	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
10910	500335.46	3733924.7	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10911	500326.56	3733928.37	0.000687	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
10912	500317.66	3733932.04	0.0007	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
10913	500308.76	3733935.71	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
10914	500299.86	3733939.37	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
10915	500290.96	3733943.04	0.000739	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
10916	500282.06	3733946.71	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10917	500273.16	3733950.38	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10918	500264.26	3733954.05	0.000775	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
10919	500255.36	3733957.72	0.000787	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.53E-04	0.00E+00	0.00E+00
10920	500246.46	3733961.39	0.000798	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
10921	500237.55	3733965.06	0.000809	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
10922	500228.65	3733968.72	0.00082	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
10923	500219.75	3733972.39	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
10924	500633.92	3733543.85	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
10925	500634.21	3733261.84	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
10926	500634.22	3733252.12	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
10927	500634.23	3733242.39	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
10928	500634.24	3733232.67	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
10929	500634.25	3733222.95	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.01E-04	0.00E+00	0.00E+00
10930	500634.26	3733213.22	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
10931	500634.27	3733203.5	0.000319	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
10932	500660.28	3733552.63	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
10933	500656.65	3733561.38	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
10934	500653.01	3733570.12	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
10935	500649.38	3733578.87	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
10936	500645.74	3733587.61	0.000273	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
10937	500642.11	3733596.36	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
10938	500638.47	3733605.11	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
10939	500634.83	3733613.85	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
10940	500631.2	3733622.6	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
10941	500627.56	3733631.35	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
10942	500623.93	3733640.09	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
10943	500620.29	3733648.84	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
10944	500594.84	3733710.06	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
10945	500591.2	3733718.81	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
10946	500587.57	3733727.55	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
10947	500583.93	3733736.3	0.000339	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
10948	500569.39	3733771.28	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
10949	500565.75	3733780.03	0.00036	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
10950	500562.12	3733788.78	0.000363	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
10951	500558.48	3733797.52	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
10952	500554.85	3733806.27	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
10953	500551.21	3733815.02	0.000375	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
10954	500547.58	3733823.76	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
10955	500543.94	3733832.51	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10956	500540.3	3733841.25	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10957	500536.67	3733850	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
10958	500533.03	3733858.75	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
10959	500529.4	3733867.49	0.000395	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
10960	500517	3733879.85	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
10961	500508.25	3733883.46	0.000418	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
10962	500499.49	3733887.07	0.000428	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10963	500490.73	3733890.68	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
10964	500481.98	3733894.29	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
10965	500473.22	3733897.9	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
10966	500464.46	3733901.51	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
10967	500455.7	3733905.11	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
10968	500446.95	3733908.72	0.000495	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
10969	500438.19	3733912.33	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
10970	500429.43	3733915.94	0.000518	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
10971	500420.68	3733919.55	0.00053	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
10972	500411.92	3733923.16	0.000541	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00

10973	500403.16	3733926.77	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
10974	500394.4	3733930.38	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
10975	500385.65	3733933.99	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
10976	500376.89	3733937.6	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
10977	500368.13	3733941.21	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
10978	500359.38	3733944.82	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
10979	500350.62	3733948.43	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.01E-04	0.00E+00	0.00E+00
10980	500341.86	3733952.04	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
10981	500333.1	3733955.65	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
10982	500324.35	3733959.26	0.000659	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.22E-03	0.00E+00	0.00E+00	9.93E-05	2.12E-04	0.00E+00	0.00E+00
10983	500315.59	3733962.87	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
10984	500306.83	3733966.48	0.000682	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
10985	500298.08	3733970.09	0.000693	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
10986	500289.32	3733973.69	0.000704	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
10987	500280.56	3733977.3	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10988	500271.81	3733980.91	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
10989	500263.05	3733984.52	0.000735	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
10990	500254.29	3733988.13	0.000745	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
10991	500245.53	3733991.74	0.000755	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
10992	500236.78	3733995.35	0.000764	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10993	500228.02	3733998.96	0.000773	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	1.43E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10994	500219.26	3734002.57	0.000782	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
10995	500663.92	3733543.88	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
10996	500664.2	3733271.6	0.000273	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
10997	500664.21	3733261.87	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
10998	500664.22	3733252.15	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
10999	500664.23	3733242.43	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
11000	500664.24	3733232.7	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
11001	500664.25	3733222.98	0.000284	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
11002	500664.26	3733213.25	0.000286	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
11003	500664.27	3733203.53	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
11004	500690.25	3733552.75	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
11005	500686.57	3733561.59	0.00024	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
11006	500682.9	3733570.43	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
11007	500679.22	3733579.27	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
11008	500675.55	3733588.11	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
11009	500671.87	3733596.95	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
11010	500668.2	3733605.79	0.000256	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
11011	500664.52	3733614.63	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
11012	500660.85	3733623.47	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
11013	500657.18	3733632.31	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
11014	500653.5	3733641.15	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
11015	500649.83	3733649.99	0.000273	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.76E-05	0.00E+00	0.00E+00
11016	500646.15	3733658.82	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
11017	500642.48	3733667.66	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
11018	500638.8	3733676.5	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
11019	500635.13	3733685.34	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
11020	500631.45	3733694.18	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
11021	500627.78	3733703.02	0.000294	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
11022	500594.71	3733782.57	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
11023	500591.04	3733791.41	0.000332	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
11024	500587.36	3733800.25	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
11025	500583.69	3733809.09	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11026	500580.01	3733817.93	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
11027	500576.34	3733826.77	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
11028	500572.66	3733835.61	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
11029	500568.99	3733844.45	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
11030	500565.31	3733853.29	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
11031	500561.64	3733862.13	0.000359	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
11032	500557.97	3733870.97	0.000362	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
11033	500554.29	3733879.81	0.000364	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
11034	500550.62	3733888.64	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
11035	500538.09	3733901.13	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
11036	500529.24	3733904.78	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
11037	500520.39	3733908.43	0.000398	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
11038	500511.54	3733912.08	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
11039	500502.69	3733915.72	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11040	500493.84	3733919.37	0.000427	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.88E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
11041	500484.99	3733923.02	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
11042	500476.14	3733926.67	0.000448	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
11043	500467.29	3733930.31	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
11044	500458.44	3733933.96	0.000468	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
11045	500449.59	3733937.61	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
11046	500440.74	3733941.26	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
11047	500431.89	3733944.91	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
11048	500423.04	3733948.55	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
11049	500414.19	3733952.2	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
11050	500405.34	3733955.85	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
11051	500396.49	3733959.5	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
11052	500387.64	3733963.15	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
11053	500378.79	3733966.79	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
11054	500369.94	3733970.44	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
11055	500361.09	3733974.09	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
11056	500352.24	3733977.74	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
11057	500343.39	3733981.39	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
11058	500334.54	3733985.03	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
11059	500325.69	3733988.68	0.000629	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.16E-03	0.00E+00	0.00E+00	9.47E-05	2.02E-04	0.00E+00	0.00E+00
11060	500316.84	3733992.33	0.000639	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	1.18E-03	0.00E+00	0.00E+00	9.62E-05	2.05E-04	0.00E+00	0.00E+00
11061	500307.99	3733995.98	0.000649	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.77E-05	2.08E-04	0.00E+00	0.00E+00
11062	500299.14	3733999.62	0.000659	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
11063	500290.28	3734003.27	0.000669	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
11064	500281.43	3734006.92	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
11065	500272.58	3734010.57	0.000687	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
11066	500263.73	3734014.22	0.000696	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
11067	500254.88	3734017.86	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
11068	500246.03	3734021.51	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
11069	500237.18	3734025.16	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
11070	500228.33	3734028.81	0.00073	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
11071	500219.48	3734032.46	0.000737	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
11072	500693.92	3733543.91	0.000235	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
11073	500694.18	3733291.08	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
11074	500694.19	3733281.35	0.000248	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
11075	500694.2	3733271.63	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
11076	500694.21	3733261.91	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
11077	500694.22	3733252.18	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.80E-05	8.12E-05	0.00E+00	0.00E+00
11078	500694.23	3733242.46	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
11079	500694.24	3733232.73	0.000257	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
11080	500694.25	3733223.01	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
11081	500694.26	3733213.28	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
11082	500694.27	3733203.56	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
11083	500730.23	3733552.84	0.000213	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
11084	500726.54	3733561.72	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00

11085	500722.85	3733570.6	0.000217	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
11086	500719.15	3733579.48	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
11087	500715.46	3733588.36	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
11088	500711.77	3733597.24	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11089	500708.08	3733606.12	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
11090	500704.39	3733615	0.000231	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
11091	500700.7	3733623.88	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
11092	500697	3733632.76	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
11093	500693.31	3733641.64	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
11094	500689.62	3733650.52	0.000242	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
11095	500685.93	3733659.4	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
11096	500682.24	3733668.28	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
11097	500678.55	3733677.16	0.000252	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
11098	500674.86	3733686.04	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
11099	500671.16	3733694.92	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.88E-05	8.29E-05	0.00E+00	0.00E+00
11100	500667.47	3733703.8	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
11101	500641.63	3733765.96	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
11102	500637.94	3733774.84	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
11103	500634.25	3733783.73	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
11104	500630.56	3733792.61	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
11105	500626.87	3733801.49	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
11106	500623.17	3733810.37	0.0003	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.54E-04	0.00E+00	0.00E+00	4.52E-05	9.65E-05	0.00E+00	0.00E+00
11107	500619.48	3733819.25	0.000304	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
11108	500615.79	3733828.13	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
11109	500612.1	3733837.01	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
11110	500589.95	3733890.29	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
11111	500586.26	3733899.17	0.00033	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
11112	500582.57	3733908.05	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
11113	500578.88	3733916.93	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
11114	500566.29	3733929.48	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
11115	500557.4	3733933.14	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
11116	500548.51	3733936.81	0.000362	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
11117	500539.62	3733940.47	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
11118	500530.73	3733944.13	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
11119	500521.84	3733947.8	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
11120	500512.94	3733951.46	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11121	500504.05	3733955.13	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
11122	500495.16	3733958.79	0.000415	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
11123	500486.27	3733962.46	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
11124	500477.38	3733966.12	0.000433	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
11125	500468.49	3733969.79	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
11126	500459.6	3733973.45	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
11127	500450.7	3733977.12	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
11128	500441.81	3733980.78	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
11129	500432.92	3733984.45	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
11130	500424.03	3733988.11	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
11131	500415.14	3733991.78	0.000499	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
11132	500406.25	3733995.44	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
11133	500397.36	3733999.11	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
11134	500388.46	3734002.77	0.000528	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.73E-04	0.00E+00	0.00E+00	7.95E-05	1.70E-04	0.00E+00	0.00E+00
11135	500379.57	3734006.44	0.000538	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
11136	500370.68	3734010.1	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
11137	500361.79	3734013.77	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
11138	500352.9	3734017.43	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
11139	500344.01	3734021.1	0.000575	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.85E-04	0.00E+00	0.00E+00
11140	500335.12	3734024.76	0.000584	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.79E-05	1.87E-04	0.00E+00	0.00E+00
11141	500326.22	3734028.43	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
11142	500317.33	3734032.09	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
11143	500308.44	3734035.76	0.00061	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
11144	500299.55	3734039.42	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
11145	500290.66	3734043.09	0.000626	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
11146	500281.77	3734046.75	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
11147	500272.88	3734050.42	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.67E-05	2.06E-04	0.00E+00	0.00E+00
11148	500263.98	3734054.08	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
11149	500255.09	3734057.75	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
11150	500246.2	3734061.41	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
11151	500237.31	3734065.07	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
11152	500228.42	3734068.74	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
11153	500219.53	3734072.4	0.000685	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
11154	500733.92	3733543.96	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
11155	500734.16	3733310.57	0.000217	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
11156	500734.17	3733300.84	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
11157	500734.18	3733291.12	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
11158	500734.19	3733281.4	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
11159	500734.2	3733271.67	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
11160	500734.21	3733261.95	0.000224	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
11161	500734.22	3733252.22	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11162	500734.23	3733242.5	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
11163	500734.24	3733232.77	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
11164	500734.25	3733223.05	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
11165	500734.26	3733213.32	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
11166	500734.27	3733203.6	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
11167	500770.21	3733552.91	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
11168	500766.51	3733561.83	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.92E-05	6.22E-05	0.00E+00	0.00E+00
11169	500762.8	3733570.74	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
11170	500759.09	3733579.66	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
11171	500755.39	3733588.58	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
11172	500751.68	3733597.49	0.000203	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
11173	500747.97	3733606.41	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.08E-05	6.58E-05	0.00E+00	0.00E+00
11174	500744.27	3733615.33	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
11175	500740.56	3733624.24	0.00021	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
11176	500736.86	3733633.16	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
11177	500733.15	3733642.07	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
11178	500729.44	3733650.99	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
11179	500725.74	3733659.91	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
11180	500722.03	3733668.82	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
11181	500718.32	3733677.74	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11182	500714.62	3733686.65	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
11183	500710.91	3733695.57	0.000231	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
11184	500707.2	3733704.49	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.50E-05	0.00E+00	0.00E+00
11185	500681.26	3733766.9	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
11186	500677.55	3733775.82	0.000256	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
11187	500673.85	3733784.73	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.33E-05	0.00E+00	0.00E+00
11188	500670.14	3733793.65	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
11189	500666.43	3733802.56	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
11190	500662.73	3733811.48	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
11191	500659.02	3733820.4	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
11192	500655.31	3733829.31	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
11193	500651.61	3733838.23	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
11194	500647.9	3733847.14	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
11195	500644.2	3733856.06	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
11196	500640.49	3733864.98	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00

11197	500636.78	3733873.89	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
11198	500610.84	3733936.31	0.000305	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.80E-05	0.00E+00	0.00E+00
11199	500585.57	3733961.5	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
11200	500576.64	3733965.18	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
11201	500567.72	3733968.86	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11202	500558.79	3733972.54	0.000346	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
11203	500549.86	3733976.22	0.000354	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.53E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
11204	500540.93	3733979.89	0.000362	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
11205	500532.01	3733983.57	0.00037	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
11206	500523.08	3733987.25	0.000378	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
11207	500514.15	3733990.93	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
11208	500505.23	3733994.61	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
11209	500496.3	3733998.29	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
11210	500487.37	3734001.97	0.00041	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
11211	500478.44	3734005.65	0.000419	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.31E-05	1.34E-04	0.00E+00	0.00E+00
11212	500469.52	3734009.33	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
11213	500460.59	3734013.01	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
11214	500451.66	3734016.69	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
11215	500442.74	3734020.37	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
11216	500433.81	3734024.05	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
11217	500424.88	3734027.73	0.000469	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.65E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
11218	500415.95	3734031.41	0.000478	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
11219	500407.03	3734035.09	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
11220	500398.1	3734038.77	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
11221	500389.17	3734042.45	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
11222	500380.25	3734046.13	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
11223	500371.32	3734049.81	0.000519	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
11224	500362.39	3734053.49	0.000527	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
11225	500353.46	3734057.17	0.000535	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
11226	500344.54	3734060.85	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
11227	500335.61	3734064.53	0.000551	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.02E-03	0.00E+00	0.00E+00	8.30E-05	1.77E-04	0.00E+00	0.00E+00
11228	500326.68	3734068.2	0.000559	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
11229	500317.75	3734071.88	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
11230	500308.83	3734075.56	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.64E-05	1.84E-04	0.00E+00	0.00E+00
11231	500299.9	3734079.24	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.87E-04	0.00E+00	0.00E+00
11232	500290.97	3734082.92	0.000588	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
11233	500282.05	3734086.6	0.000595	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.95E-05	1.91E-04	0.00E+00	0.00E+00
11234	500273.12	3734090.28	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
11235	500264.19	3734093.96	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.15E-05	1.95E-04	0.00E+00	0.00E+00
11236	500255.26	3734097.64	0.000614	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
11237	500246.34	3734101.32	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
11238	500237.41	3734105	0.000626	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
11239	500228.48	3734108.68	0.000632	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
11240	500219.56	3734112.36	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
11241	500773.92	3733544	0.000186	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
11242	500774.15	3733320.33	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.94E-05	6.26E-05	0.00E+00	0.00E+00
11243	500774.16	3733310.61	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
11244	500774.17	3733300.89	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
11245	500774.18	3733291.16	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
11246	500774.19	3733281.44	0.000199	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
11247	500774.2	3733271.71	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
11248	500774.21	3733261.99	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
11249	500774.22	3733252.26	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
11250	500774.23	3733242.54	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
11251	500774.24	3733232.81	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
11252	500774.25	3733223.09	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
11253	500774.26	3733213.37	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
11254	500774.27	3733203.64	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
11255	500810.2	3733552.99	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
11256	500806.48	3733561.93	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
11257	500802.76	3733570.88	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
11258	500799.04	3733579.83	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
11259	500795.32	3733588.77	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
11260	500791.6	3733597.72	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
11261	500787.88	3733606.67	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
11262	500784.16	3733615.62	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.77E-05	5.92E-05	0.00E+00	0.00E+00
11263	500780.44	3733624.56	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.81E-05	5.98E-05	0.00E+00	0.00E+00
11264	500776.73	3733633.51	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
11265	500773.01	3733642.46	0.000191	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
11266	500769.29	3733651.41	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
11267	500765.57	3733660.35	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
11268	500761.85	3733669.3	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
11269	500758.13	3733678.25	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
11270	500754.41	3733687.2	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
11271	500750.69	3733696.14	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
11272	500746.97	3733705.09	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
11273	500720.93	3733767.72	0.000224	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
11274	500717.21	3733776.67	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
11275	500713.49	3733785.62	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
11276	500709.78	3733794.57	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
11277	500706.06	3733803.51	0.000238	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
11278	500702.34	3733812.46	0.00024	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
11279	500698.62	3733821.41	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
11280	500694.9	3733830.36	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
11281	500691.18	3733839.3	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
11282	500687.46	3733848.25	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
11283	500683.74	3733857.2	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
11284	500680.02	3733866.15	0.000256	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
11285	500676.3	3733875.09	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
11286	500672.58	3733884.04	0.000261	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
11287	500668.86	3733892.99	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
11288	500665.14	3733901.94	0.000266	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
11289	500661.42	3733910.88	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
11290	500650.26	3733937.73	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
11291	500646.54	3733946.67	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
11292	500642.83	3733955.62	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
11293	500586.87	3734000.93	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11294	500577.92	3734004.62	0.000325	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
11295	500568.96	3734008.31	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
11296	500560	3734012	0.000338	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11297	500551.04	3734015.7	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
11298	500542.08	3734019.39	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
11299	500533.12	3734023.08	0.00036	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
11300	500524.16	3734026.77	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
11301	500515.21	3734030.47	0.000375	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
11302	500506.25	3734034.16	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
11303	500497.29	3734037.85	0.000389	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
11304	500488.33	3734041.54	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11305	500479.37	3734045.24	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
11306	500470.41	3734048.93	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
11307	500461.45	3734052.62	0.000419	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
11308	500452.49	3734056.32	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00

11309	500443.54	3734060.01	0.000434	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
11310	500434.58	3734063.7	0.000442	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.15E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
11311	500425.62	3734067.39	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
11312	500416.66	3734071.09	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
11313	500407.7	3734074.78	0.000464	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.56E-04	0.00E+00	0.00E+00	6.99E-05	1.49E-04	0.00E+00	0.00E+00
11314	500398.74	3734078.47	0.000472	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
11315	500389.78	3734082.16	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
11316	500380.83	3734085.86	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
11317	500371.87	3734089.55	0.000493	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.09E-04	0.00E+00	0.00E+00	7.43E-05	1.58E-04	0.00E+00	0.00E+00
11318	500362.91	3734093.24	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
11319	500353.95	3734096.93	0.000507	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
11320	500344.99	3734100.63	0.000514	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
11321	500336.03	3734104.32	0.000521	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.60E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
11322	500327.07	3734108.01	0.000527	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
11323	500318.12	3734111.7	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.04E-05	1.71E-04	0.00E+00	0.00E+00
11324	500309.16	3734115.4	0.00054	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.13E-05	1.74E-04	0.00E+00	0.00E+00
11325	500300.2	3734119.09	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
11326	500291.24	3734122.78	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
11327	500282.28	3734126.47	0.000559	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
11328	500273.32	3734130.17	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
11329	500264.36	3734133.86	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
11330	500813.92	3733544.04	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
11331	500813.93	3733534.31	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
11332	500813.94	3733524.59	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.41E-05	0.00E+00	0.00E+00
11333	500813.95	3733514.86	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11334	500813.96	3733505.14	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11335	500813.97	3733495.42	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11336	500813.98	3733485.69	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11337	500813.99	3733475.97	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11338	500814	3733466.24	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11339	500814.01	3733456.52	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11340	500814.02	3733446.79	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11341	500814.03	3733437.07	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11342	500814.04	3733427.34	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.41E-05	0.00E+00	0.00E+00
11343	500814.05	3733417.62	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
11344	500814.06	3733407.9	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
11345	500814.07	3733398.17	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.43E-05	0.00E+00	0.00E+00
11346	500814.08	3733388.45	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11347	500814.13	3733339.82	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
11348	500814.14	3733330.1	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
11349	500814.15	3733320.38	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
11350	500814.16	3733310.65	0.000174	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
11351	500814.17	3733300.93	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11352	500814.18	3733291.2	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
11353	500814.19	3733281.48	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
11354	500814.2	3733271.75	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.82E-05	0.00E+00	0.00E+00
11355	500814.21	3733262.03	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
11356	500814.22	3733252.3	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
11357	500814.23	3733242.58	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
11358	500814.24	3733232.86	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
11359	500814.25	3733223.13	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
11360	500814.26	3733213.41	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
11361	500814.27	3733203.68	0.000189	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
11362	500850.19	3733553.05	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
11363	500846.46	3733562.03	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11364	500842.73	3733571	0.000159	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
11365	500839	3733579.98	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
11366	500835.26	3733588.95	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
11367	500831.53	3733597.93	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
11368	500827.8	3733606.91	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
11369	500824.07	3733615.88	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
11370	500820.34	3733624.86	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.43E-05	0.00E+00	0.00E+00
11371	500816.61	3733633.83	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
11372	500812.88	3733642.81	0.000173	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
11373	500809.15	3733651.78	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
11374	500805.42	3733660.76	0.000177	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
11375	500801.69	3733669.73	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11376	500797.96	3733678.71	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
11377	500794.22	3733687.68	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
11378	500790.49	3733696.66	0.000185	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
11379	500786.76	3733705.63	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
11380	500760.65	3733768.46	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
11381	500756.91	3733777.43	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
11382	500753.18	3733786.41	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
11383	500749.45	3733795.39	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
11384	500745.72	3733804.36	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
11385	500741.99	3733813.34	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.21E-05	6.86E-05	0.00E+00	0.00E+00
11386	500738.26	3733822.31	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
11387	500734.53	3733831.29	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
11388	500730.8	3733840.26	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
11389	500727.07	3733849.24	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
11390	500723.34	3733858.21	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11391	500719.6	3733867.19	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
11392	500715.87	3733876.16	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00
11393	500712.14	3733885.14	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
11394	500708.41	3733894.11	0.000234	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
11395	500704.68	3733903.09	0.000236	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
11396	500700.95	3733912.06	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
11397	500697.22	3733921.04	0.000241	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
11398	500693.49	3733930.01	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
11399	500689.76	3733938.99	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
11400	500686.03	3733947.96	0.000248	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
11401	500614.98	3734029.31	0.000293	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.40E-04	0.00E+00	0.00E+00	4.41E-05	9.40E-05	0.00E+00	0.00E+00
11402	500588.02	3734040.42	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	9.99E-05	0.00E+00	0.00E+00
11403	500579.03	3734044.13	0.000318	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11404	500570.04	3734047.83	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
11405	500561.06	3734051.53	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
11406	500552.07	3734055.24	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
11407	500543.09	3734058.94	0.000343	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
11408	500534.1	3734062.65	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
11409	500525.11	3734066.35	0.000357	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
11410	500516.13	3734070.05	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
11411	500507.14	3734073.76	0.00037	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
11412	500498.15	3734077.46	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
11413	500489.17	3734081.17	0.000383	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
11414	500480.18	3734084.87	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
11415	500471.19	3734088.57	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11416	500462.21	3734092.28	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
11417	500453.22	3734095.98	0.00041	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
11418	500444.24	3734099.69	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11419	500435.25	3734103.39	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
11420	500426.26	3734107.09	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00

11421	500417.28	3734110.8	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
11422	500408.29	3734114.5	0.000443	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
11423	500399.3	3734118.21	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
11424	500390.32	3734121.91	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
11425	500381.33	3734125.61	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
11426	500372.34	3734129.32	0.000469	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.06E-05	1.51E-04	0.00E+00	0.00E+00
11427	500363.36	3734133.02	0.000475	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.76E-04	0.00E+00	0.00E+00	7.15E-05	1.53E-04	0.00E+00	0.00E+00
11428	500282.48	3734166.36	0.000526	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.69E-04	0.00E+00	0.00E+00	7.91E-05	1.69E-04	0.00E+00	0.00E+00
11429	500273.49	3734170.06	0.000531	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
11430	500264.51	3734173.77	0.000535	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
11431	500255.52	3734177.47	0.00054	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.95E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00
11432	500246.53	3734181.17	0.000545	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
11433	500237.55	3734184.88	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.26E-05	1.76E-04	0.00E+00	0.00E+00
11434	500228.56	3734188.58	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
11435	500219.58	3734192.29	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
11436	500853.92	3733544.08	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
11437	500853.93	3733534.35	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
11438	500853.94	3733524.63	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
11439	500853.95	3733514.91	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11440	500853.96	3733505.18	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11441	500853.97	3733495.46	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11442	500853.98	3733485.73	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11443	500853.99	3733476.01	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11444	500854	3733466.28	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11445	500854.01	3733456.56	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11446	500854.02	3733446.83	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11447	500854.03	3733437.11	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11448	500854.04	3733427.39	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11449	500854.05	3733417.66	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11450	500854.06	3733407.94	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
11451	500854.11	3733359.31	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
11452	500854.12	3733349.59	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.00E-05	0.00E+00	0.00E+00
11453	500854.13	3733339.87	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
11454	500854.14	3733330.14	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
11455	500854.15	3733320.42	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11456	500854.16	3733310.69	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11457	500854.17	3733300.97	0.000159	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
11458	500854.18	3733291.24	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
11459	500854.19	3733281.52	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
11460	500854.2	3733271.79	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
11461	500854.21	3733262.07	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
11462	500854.22	3733252.35	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
11463	500854.23	3733242.62	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
11464	500854.24	3733232.9	0.000165	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
11465	500854.25	3733223.17	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
11466	500854.26	3733213.45	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
11467	500854.27	3733203.72	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
11468	500890.25	3733552.96	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11469	500886.57	3733561.8	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
11470	500882.9	3733570.64	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11471	500879.22	3733579.48	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11472	500875.55	3733588.32	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
11473	500871.87	3733597.16	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
11474	500868.2	3733605.99	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
11475	500864.52	3733614.83	0.000153	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
11476	500860.85	3733623.67	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
11477	500857.18	3733632.51	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
11478	500853.5	3733641.35	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11479	500849.83	3733650.19	0.000159	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
11480	500846.15	3733659.03	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
11481	500842.48	3733667.87	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
11482	500838.8	3733676.71	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
11483	500835.13	3733685.55	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.50E-05	5.32E-05	0.00E+00	0.00E+00
11484	500831.45	3733694.39	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
11485	500827.78	3733703.23	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11486	500824.11	3733712.07	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
11487	500820.43	3733720.9	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
11488	500816.76	3733729.74	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
11489	500794.71	3733782.78	0.000186	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
11490	500791.04	3733791.62	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
11491	500787.36	3733800.46	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
11492	500783.69	3733809.3	0.000192	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
11493	500780.01	3733818.14	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
11494	500776.34	3733826.98	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
11495	500772.66	3733835.81	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
11496	500768.99	3733844.65	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
11497	500765.31	3733853.49	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
11498	500761.64	3733862.33	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
11499	500757.97	3733871.17	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
11500	500754.29	3733880.01	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
11501	500750.62	3733888.85	0.00021	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
11502	500746.94	3733897.69	0.000212	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
11503	500743.27	3733906.53	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
11504	500739.59	3733915.37	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
11505	500735.92	3733924.21	0.000218	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
11506	500732.24	3733933.05	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
11507	500728.57	3733941.89	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
11508	500724.9	3733950.73	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
11509	500679.3	3734042.77	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
11510	500670.45	3734046.41	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
11511	500661.6	3734050.06	0.000257	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
11512	500652.75	3734053.71	0.000263	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.44E-05	0.00E+00	0.00E+00
11513	500643.9	3734057.36	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
11514	500635.05	3734061	0.000274	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
11515	500626.2	3734064.65	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
11516	500617.35	3734068.3	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
11517	500590.8	3734079.24	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
11518	500581.95	3734082.89	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
11519	500573.1	3734086.54	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
11520	500564.25	3734090.19	0.00032	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
11521	500555.4	3734093.84	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
11522	500546.55	3734097.48	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
11523	500537.7	3734101.13	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
11524	500528.85	3734104.78	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
11525	500520	3734108.43	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
11526	500511.15	3734112.08	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
11527	500502.3	3734115.72	0.000362	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
11528	500493.45	3734119.37	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
11529	500484.6	3734123.02	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
11530	500475.74	3734126.67	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
11531	500466.89	3734130.31	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
11532	500458.04	3734133.96	0.000391	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.22E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00

11533	500378.39	3734166.79	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
11534	500369.54	3734170.44	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
11535	500360.69	3734174.09	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
11536	500351.84	3734177.74	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
11537	500342.99	3734181.38	0.000464	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
11538	500334.14	3734185.03	0.000469	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
11539	500325.29	3734188.68	0.000473	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
11540	500316.44	3734192.33	0.000478	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
11541	500307.59	3734195.98	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
11542	500298.74	3734199.62	0.000487	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
11543	500289.89	3734203.27	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
11544	500281.04	3734206.92	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
11545	500272.19	3734210.57	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
11546	500263.34	3734214.22	0.000505	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
11547	500254.49	3734217.86	0.000509	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.37E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
11548	500245.64	3734221.51	0.000512	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.44E-04	0.00E+00	0.00E+00	7.71E-05	1.65E-04	0.00E+00	0.00E+00
11549	500236.79	3734225.16	0.000516	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
11550	500227.94	3734228.81	0.00052	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
11551	500219.09	3734232.46	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
11552	500893.92	3733544.12	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11553	500893.93	3733534.4	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.53E-05	0.00E+00	0.00E+00
11554	500893.94	3733524.67	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
11555	500893.95	3733514.95	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
11556	500893.96	3733505.22	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11557	500893.97	3733495.5	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11558	500893.98	3733485.77	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11559	500893.99	3733476.05	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11560	500894	3733466.32	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11561	500894.01	3733456.6	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11562	500894.02	3733446.88	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11563	500894.03	3733437.15	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11564	500894.04	3733427.43	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11565	500894.09	3733378.8	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
11566	500894.1	3733369.08	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
11567	500894.11	3733359.36	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11568	500894.12	3733349.63	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
11569	500894.13	3733339.91	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
11570	500894.14	3733330.18	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
11571	500894.15	3733320.46	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
11572	500894.16	3733310.73	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
11573	500894.17	3733301.01	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11574	500894.18	3733291.28	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
11575	500894.19	3733281.56	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11576	500894.2	3733271.84	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
11577	500894.21	3733262.11	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
11578	500894.22	3733252.39	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
11579	500894.23	3733242.66	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
11580	500894.24	3733232.94	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
11581	500894.25	3733223.21	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
11582	500894.26	3733213.49	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
11583	500894.27	3733203.76	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
11584	500930.23	3733553.03	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
11585	500926.55	3733561.9	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
11586	500922.86	3733570.77	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
11587	500919.17	3733579.64	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
11588	500915.49	3733588.51	0.000136	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
11589	500911.8	3733597.38	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
11590	500908.11	3733606.25	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
11591	500904.42	3733615.11	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
11592	500900.74	3733623.98	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11593	500897.05	3733632.85	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11594	500893.36	3733641.72	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
11595	500889.68	3733650.59	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11596	500885.99	3733659.46	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11597	500882.3	3733668.33	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
11598	500878.62	3733677.2	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
11599	500874.93	3733686.07	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
11600	500871.24	3733694.94	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
11601	500867.56	3733703.81	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
11602	500863.87	3733712.68	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
11603	500860.18	3733721.55	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11604	500856.49	3733730.41	0.00016	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
11605	500841.75	3733765.89	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
11606	500838.06	3733774.76	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11607	500834.37	3733783.63	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
11608	500830.69	3733792.5	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
11609	500827	3733801.37	0.000173	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
11610	500823.31	3733810.24	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00
11611	500819.63	3733819.11	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
11612	500815.94	3733827.98	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
11613	500812.25	3733836.84	0.00018	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
11614	500793.82	3733881.19	0.00019	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.09E-05	0.00E+00	0.00E+00
11615	500790.13	3733890.06	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
11616	500786.44	3733898.93	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
11617	500782.76	3733907.8	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.94E-05	6.26E-05	0.00E+00	0.00E+00
11618	500779.07	3733916.67	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
11619	500775.38	3733925.54	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
11620	500771.7	3733934.41	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
11621	500768.01	3733943.28	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
11622	500764.32	3733952.14	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
11623	500727.45	3734040.84	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
11624	500723.77	3734049.71	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
11625	500720.08	3734058.58	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
11626	500707.51	3734071.1	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.39E-05	0.00E+00	0.00E+00
11627	500698.63	3734074.76	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
11628	500689.75	3734078.43	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
11629	500680.87	3734082.09	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
11630	500671.99	3734085.75	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.99E-05	0.00E+00	0.00E+00
11631	500663.11	3734089.41	0.000254	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
11632	500654.23	3734093.07	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
11633	500645.35	3734096.73	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
11634	500636.47	3734100.39	0.000268	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
11635	500627.59	3734104.05	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
11636	500618.71	3734107.71	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
11637	500592.07	3734118.69	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
11638	500583.19	3734122.35	0.0003	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.63E-05	0.00E+00	0.00E+00
11639	500574.31	3734126.01	0.000305	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.81E-05	0.00E+00	0.00E+00
11640	500565.43	3734129.67	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
11641	500556.55	3734133.33	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11642	500476.63	3734166.27	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
11643	500467.75	3734169.93	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
11644	500458.87	3734173.59	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00

11645	500449.99	3734177.25	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
11646	500441.1	3734180.91	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
11647	500432.22	3734184.57	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
11648	500423.34	3734188.23	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11649	500414.46	3734191.89	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
11650	500405.58	3734195.55	0.000407	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
11651	500396.7	3734199.21	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
11652	500387.82	3734202.87	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11653	500378.94	3734206.53	0.000422	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
11654	500370.06	3734210.19	0.000426	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
11655	500361.18	3734213.85	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
11656	500352.3	3734217.51	0.000435	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
11657	500343.42	3734221.17	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
11658	500334.54	3734224.83	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
11659	500325.66	3734228.49	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
11660	500316.78	3734232.16	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
11661	500307.9	3734235.82	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
11662	500299.02	3734239.48	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
11663	500290.14	3734243.14	0.000465	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
11664	500281.26	3734246.8	0.000469	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
11665	500272.38	3734250.46	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
11666	500263.5	3734254.12	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
11667	500254.62	3734257.78	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
11668	500245.74	3734261.44	0.000483	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.89E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
11669	500236.86	3734265.1	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
11670	500227.98	3734268.76	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
11671	500219.1	3734272.42	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
11672	500933.92	3733544.16	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11673	500933.93	3733534.44	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11674	500933.94	3733524.71	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11675	500933.95	3733514.99	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11676	500933.96	3733505.26	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11677	500933.97	3733495.54	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11678	500933.98	3733485.81	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11679	500933.99	3733476.09	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11680	500934	3733466.37	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11681	500934.01	3733456.64	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11682	500934.02	3733446.92	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
11683	500934.07	3733398.29	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
11684	500934.08	3733388.57	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
11685	500934.09	3733378.85	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
11686	500934.1	3733369.12	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
11687	500934.11	3733359.4	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
11688	500934.12	3733349.67	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
11689	500934.13	3733339.95	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
11690	500934.14	3733330.22	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
11691	500934.15	3733320.5	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
11692	500934.16	3733310.77	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
11693	500934.17	3733301.05	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
11694	500934.18	3733291.33	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
11695	500934.19	3733281.6	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
11696	500934.2	3733271.88	0.000136	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.35E-05	0.00E+00	0.00E+00
11697	500934.21	3733262.15	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
11698	500934.22	3733252.43	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
11699	500934.23	3733242.7	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
11700	500934.24	3733232.98	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
11701	500934.25	3733223.25	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
11702	500934.26	3733213.53	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
11703	500934.27	3733203.81	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
11704	500970.22	3733553.1	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11705	500966.52	3733561.99	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
11706	500962.83	3733570.89	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
11707	500959.13	3733579.79	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
11708	500955.43	3733588.68	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
11709	500951.73	3733597.58	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
11710	500948.03	3733606.48	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
11711	500944.33	3733615.37	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
11712	500940.64	3733624.27	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
11713	500936.94	3733633.16	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
11714	500933.24	3733642.06	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
11715	500929.54	3733650.96	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
11716	500925.84	3733659.85	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
11717	500922.15	3733668.75	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
11718	500918.45	3733677.65	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
11719	500914.75	3733686.54	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
11720	500911.05	3733695.44	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
11721	500907.35	3733704.34	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11722	500903.65	3733713.23	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
11723	500899.96	3733722.13	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.64E-05	0.00E+00	0.00E+00
11724	500896.26	3733731.02	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
11725	500881.47	3733766.61	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
11726	500877.77	3733775.51	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11727	500874.07	3733784.4	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
11728	500870.37	3733793.3	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
11729	500866.67	3733802.19	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11730	500862.98	3733811.09	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
11731	500859.28	3733819.99	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
11732	500855.58	3733828.88	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
11733	500851.88	3733837.78	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
11734	500848.18	3733846.68	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
11735	500844.48	3733855.57	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
11736	500840.79	3733864.47	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11737	500837.09	3733873.36	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
11738	500833.39	3733882.26	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
11739	500829.69	3733891.16	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
11740	500825.99	3733900.05	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
11741	500822.3	3733908.95	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
11742	500818.6	3733917.85	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
11743	500814.9	3733926.74	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
11744	500766.82	3734042.39	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
11745	500763.12	3734051.29	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
11746	500759.43	3734060.19	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
11747	500755.73	3734069.08	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
11748	500752.03	3734077.98	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
11749	500748.33	3734086.87	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
11750	500735.73	3734099.44	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
11751	500726.82	3734103.11	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
11752	500717.91	3734106.79	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
11753	500709	3734110.46	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
11754	500700.1	3734114.13	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
11755	500691.19	3734117.8	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
11756	500682.28	3734121.47	0.00024	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00

11757	500673.38	3734125.14	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.86E-05	0.00E+00	0.00E+00
11758	500664.47	3734128.81	0.000249	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.75E-05	8.01E-05	0.00E+00	0.00E+00
11759	500655.56	3734132.49	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.16E-05	0.00E+00	0.00E+00
11760	500646.65	3734136.16	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
11761	500566.49	3734169.2	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
11762	500557.58	3734172.87	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
11763	500548.67	3734176.54	0.000312	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
11764	500539.77	3734180.21	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11765	500530.86	3734183.88	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
11766	500521.95	3734187.56	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
11767	500513.04	3734191.23	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
11768	500504.14	3734194.9	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
11769	500495.23	3734198.57	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
11770	500486.32	3734202.24	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
11771	500477.41	3734205.91	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
11772	500468.51	3734209.58	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
11773	500459.6	3734213.26	0.000361	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
11774	500450.69	3734216.93	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
11775	500441.78	3734220.6	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
11776	500432.88	3734224.27	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
11777	500423.97	3734227.94	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
11778	500415.06	3734231.61	0.000384	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
11779	500406.16	3734235.28	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
11780	500397.25	3734238.96	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
11781	500388.34	3734242.63	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
11782	500379.43	3734246.3	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
11783	500370.53	3734249.97	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
11784	500361.62	3734253.64	0.00041	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
11785	500352.71	3734257.31	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
11786	500343.8	3734260.98	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
11787	500334.9	3734264.66	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
11788	500325.99	3734268.33	0.000426	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
11789	500317.08	3734272	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
11790	500308.17	3734275.67	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
11791	500299.27	3734279.34	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
11792	500290.36	3734283.01	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
11793	500281.45	3734286.68	0.000443	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
11794	500272.54	3734290.36	0.000446	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.23E-04	0.00E+00	0.00E+00	6.72E-05	1.43E-04	0.00E+00	0.00E+00
11795	500263.64	3734294.03	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
11796	500254.73	3734297.7	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
11797	500245.82	3734301.37	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
11798	500236.92	3734305.04	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
11799	500228.01	3734308.71	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
11800	500219.1	3734312.38	0.000463	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
11801	500973.92	3733544.2	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
11802	500973.93	3733534.48	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
11803	500973.94	3733524.75	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11804	500973.95	3733515.03	0.00012	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11805	500973.96	3733505.3	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11806	500973.97	3733495.58	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11807	500973.98	3733485.86	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
11808	500973.99	3733476.13	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
11809	500974	3733466.41	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
11810	500974.01	3733456.68	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11811	500974.06	3733408.06	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
11812	500974.07	3733398.34	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
11813	500974.08	3733388.61	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
11814	500974.09	3733378.89	0.000121	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11815	500974.1	3733369.16	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11816	500974.11	3733359.44	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
11817	500974.12	3733349.71	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
11818	500974.13	3733339.99	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
11819	500974.14	3733330.26	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
11820	500974.15	3733320.54	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
11821	500974.16	3733310.82	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
11822	500974.17	3733301.09	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
11823	500974.18	3733291.37	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
11824	500974.19	3733281.64	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
11825	500974.2	3733271.92	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
11826	500974.21	3733262.19	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.04E-05	0.00E+00	0.00E+00
11827	500974.22	3733252.47	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
11828	500974.23	3733242.74	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
11829	500974.24	3733233.02	0.000128	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
11830	500974.25	3733223.3	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
11831	500974.26	3733213.57	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
11832	500974.27	3733203.85	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
11833	500999.09	3733579.93	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
11834	500995.38	3733588.85	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.72E-05	0.00E+00	0.00E+00
11835	500991.67	3733597.77	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
11836	500987.96	3733606.69	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
11837	500984.25	3733615.61	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
11838	500980.54	3733624.53	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
11839	500976.84	3733633.45	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
11840	500973.13	3733642.37	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
11841	500969.42	3733651.29	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
11842	500965.71	3733660.21	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
11843	500962	3733669.14	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
11844	500958.29	3733678.06	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
11845	500954.59	3733686.98	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
11846	500950.88	3733695.9	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
11847	500947.17	3733704.82	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
11848	500943.46	3733713.74	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
11849	500939.75	3733722.66	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
11850	500936.04	3733731.58	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
11851	500921.21	3733767.26	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
11852	500917.5	3733776.19	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
11853	500913.79	3733785.11	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
11854	500910.09	3733794.03	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
11855	500906.38	3733802.95	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
11856	500902.67	3733811.87	0.000146	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
11857	500898.96	3733820.79	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
11858	500895.25	3733829.71	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
11859	500891.54	3733838.63	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
11860	500887.84	3733847.55	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
11861	500884.13	3733856.47	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11862	500880.42	3733865.39	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
11863	500876.71	3733874.31	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.02E-05	0.00E+00	0.00E+00
11864	500873	3733883.24	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11865	500869.29	3733892.16	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
11866	500865.59	3733901.08	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
11867	500861.88	3733910	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
11868	500858.17	3733918.92	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00

11869	500854.46	3733927.84	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
11870	500850.75	3733936.76	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
11871	500847.04	3733945.68	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11872	500843.33	3733954.6	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
11873	500839.63	3733963.52	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
11874	500835.92	3733972.44	0.000173	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
11875	500832.21	3733981.36	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
11876	500828.5	3733990.29	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
11877	500824.79	3733999.21	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
11878	500821.08	3734008.13	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11879	500817.38	3734017.05	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
11880	500795.13	3734070.57	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
11881	500791.42	3734079.49	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
11882	500787.71	3734088.41	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
11883	500784	3734097.34	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
11884	500780.29	3734106.26	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
11885	500776.58	3734115.18	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
11886	500763.94	3734127.78	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
11887	500755.01	3734131.46	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
11888	500746.08	3734135.14	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
11889	500665.69	3734168.28	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
11890	500656.76	3734171.96	0.000249	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.75E-05	8.01E-05	0.00E+00	0.00E+00
11891	500647.83	3734175.64	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
11892	500638.9	3734179.32	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.88E-05	8.29E-05	0.00E+00	0.00E+00
11893	500629.96	3734183	0.000262	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
11894	500621.03	3734186.68	0.000267	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
11895	500612.1	3734190.37	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
11896	500585.31	3734201.41	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
11897	500576.37	3734205.09	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
11898	500567.44	3734208.77	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
11899	500558.51	3734212.45	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
11900	500549.58	3734216.14	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
11901	500540.65	3734219.82	0.000307	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
11902	500531.71	3734223.5	0.000312	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
11903	500522.78	3734227.18	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
11904	500513.85	3734230.86	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
11905	500504.92	3734234.54	0.000325	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.04E-04	0.00E+00	0.00E+00
11906	500495.99	3734238.23	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
11907	500487.05	3734241.91	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
11908	500478.12	3734245.59	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11909	500469.19	3734249.27	0.000343	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
11910	500460.26	3734252.95	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
11911	500451.33	3734256.63	0.000352	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
11912	500442.39	3734260.32	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
11913	500433.46	3734264	0.00036	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
11914	500424.53	3734267.68	0.000364	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
11915	500415.6	3734271.36	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
11916	500406.67	3734275.04	0.000372	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.85E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
11917	500397.73	3734278.72	0.000376	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.92E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
11918	500388.8	3734282.4	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
11919	500379.87	3734286.09	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
11920	500370.94	3734289.77	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
11921	500362.01	3734293.45	0.000391	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
11922	500353.07	3734297.13	0.000394	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
11923	500344.14	3734300.81	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
11924	500335.21	3734304.49	0.000401	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
11925	500326.28	3734308.18	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
11926	500317.35	3734311.86	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
11927	500308.42	3734315.54	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
11928	500299.48	3734319.22	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
11929	500290.55	3734322.9	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11930	500281.62	3734326.58	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
11931	500272.69	3734330.26	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
11932	500263.76	3734333.95	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
11933	500254.82	3734337.63	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
11934	500245.89	3734341.31	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
11935	500236.96	3734344.99	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
11936	500228.03	3734348.67	0.000435	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
11937	500219.1	3734352.35	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
11938	501050.2	3733553.23	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
11939	501046.48	3733562.17	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
11940	501042.77	3733571.11	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.60E-05	3.40E-05	0.00E+00	0.00E+00
11941	501039.05	3733580.06	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
11942	501035.33	3733589	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
11943	501031.61	3733597.94	0.000109	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
11944	501027.9	3733606.89	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
11945	501024.18	3733615.83	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
11946	500994.44	3733687.38	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
11947	500990.72	3733696.32	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11948	500987	3733705.26	0.000121	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11949	500983.28	3733714.21	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
11950	500979.57	3733723.15	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
11951	500975.85	3733732.09	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
11952	500960.98	3733767.87	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
11953	500957.26	3733776.81	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
11954	500953.54	3733785.75	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
11955	500949.82	3733794.7	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
11956	500946.11	3733803.64	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
11957	500942.39	3733812.58	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
11958	500938.67	3733821.52	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
11959	500934.95	3733830.47	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
11960	500931.24	3733839.41	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
11961	500927.52	3733848.35	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
11962	500923.8	3733857.3	0.000141	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11963	500920.08	3733866.24	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11964	500916.37	3733875.18	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
11965	500912.65	3733884.13	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11966	500908.93	3733893.07	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11967	500905.21	3733902.01	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
11968	500901.49	3733910.96	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
11969	500897.78	3733919.9	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
11970	500894.06	3733928.84	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
11971	500890.34	3733937.79	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11972	500886.62	3733946.73	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.96E-05	0.00E+00	0.00E+00
11973	500882.91	3733955.67	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
11974	500879.19	3733964.62	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11975	500875.47	3733973.56	0.000159	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
11976	500871.75	3733982.5	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
11977	500868.04	3733991.45	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
11978	500864.32	3734000.39	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
11979	500860.6	3734009.33	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
11980	500856.88	3734018.28	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00

11981	500853.17	3734027.22	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
11982	500849.45	3734036.16	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
11983	500845.73	3734045.11	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11984	500842.01	3734054.05	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
11985	500838.29	3734062.99	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
11986	500834.58	3734071.94	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
11987	500830.86	3734080.88	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
11988	500827.14	3734089.82	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
11989	500823.42	3734098.77	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
11990	500819.71	3734107.71	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11991	500765.3	3734167.19	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.37E-05	0.00E+00	0.00E+00
11992	500756.35	3734170.88	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
11993	500747.39	3734174.57	0.000205	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.60E-05	0.00E+00	0.00E+00
11994	500738.44	3734178.26	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
11995	500729.48	3734181.95	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
11996	500720.53	3734185.64	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
11997	500711.57	3734189.33	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
11998	500702.62	3734193.02	0.000225	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
11999	500693.67	3734196.71	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
12000	500684.71	3734200.4	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
12001	500675.76	3734204.1	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
12002	500666.8	3734207.79	0.000241	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
12003	500657.85	3734211.48	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
12004	500648.89	3734215.17	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
12005	500639.94	3734218.86	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
12006	500630.98	3734222.55	0.000257	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
12007	500622.03	3734226.24	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
12008	500613.08	3734229.93	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
12009	500586.21	3734241	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
12010	500577.26	3734244.69	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
12011	500568.3	3734248.39	0.000286	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
12012	500559.35	3734252.08	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
12013	500550.4	3734255.77	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
12014	500541.44	3734259.46	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
12015	500532.49	3734263.15	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
12016	500523.53	3734266.84	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
12017	500514.58	3734270.53	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
12018	500505.62	3734274.22	0.000314	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
12019	500496.67	3734277.91	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
12020	500487.71	3734281.6	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
12021	500478.76	3734285.29	0.000326	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
12022	500469.81	3734288.98	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
12023	500460.85	3734292.67	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
12024	500451.9	3734296.37	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
12025	500442.94	3734300.06	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
12026	500433.99	3734303.75	0.000345	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
12027	500425.03	3734307.44	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
12028	500416.08	3734311.13	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
12029	500407.13	3734314.82	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
12030	500398.17	3734318.51	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
12031	500389.22	3734322.2	0.000363	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
12032	500380.26	3734325.89	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
12033	500371.31	3734329.58	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
12034	500362.35	3734333.27	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
12035	500353.4	3734336.96	0.000376	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
12036	500344.44	3734340.65	0.000379	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
12037	500335.49	3734344.35	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
12038	500326.54	3734348.04	0.000385	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
12039	500317.58	3734351.73	0.000388	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.14E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
12040	500308.63	3734355.42	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
12041	500299.67	3734359.11	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
12042	501053.92	3733544.28	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12043	501053.93	3733534.56	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12044	501053.94	3733524.84	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12045	501053.95	3733515.11	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12046	501053.96	3733505.39	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.32E-05	0.00E+00	0.00E+00
12047	501053.97	3733495.66	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12048	501054.02	3733447.04	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12049	501054.03	3733437.32	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12050	501054.04	3733427.59	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12051	501054.05	3733417.87	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12052	501054.06	3733408.14	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12053	501054.07	3733398.42	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
12054	501054.08	3733388.69	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
12055	501054.09	3733378.97	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
12056	501054.1	3733369.24	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
12057	501054.11	3733359.52	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
12058	501054.13	3733340.07	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
12059	501054.14	3733330.35	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
12060	501054.15	3733320.62	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
12061	501054.16	3733310.9	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
12062	501054.17	3733301.17	0.000107	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
12063	501054.18	3733291.45	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
12064	501054.19	3733281.72	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
12065	501054.2	3733272	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
12066	501054.21	3733262.28	0.000108	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
12067	501054.22	3733252.55	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
12068	501054.23	3733242.83	0.000109	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
12069	501054.24	3733233.1	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.53E-05	0.00E+00	0.00E+00
12070	501054.25	3733223.38	0.00011	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
12071	501054.26	3733213.65	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
12072	501054.27	3733203.93	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
12073	501090.19	3733553.29	9.7E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12074	501086.47	3733562.25	9.77E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12075	501082.74	3733571.22	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12076	501079.01	3733580.18	9.92E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
12077	501075.29	3733589.14	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
12078	501071.56	3733598.11	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12079	501067.84	3733607.07	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12080	501064.11	3733616.04	0.000103	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12081	501060.38	3733625	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12082	501056.66	3733633.96	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
12083	501052.93	3733642.93	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
12084	501049.21	3733651.89	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
12085	501045.48	3733660.85	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
12086	501041.75	3733669.82	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
12087	501038.03	3733678.78	0.000109	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
12088	501034.3	3733687.75	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
12089	501030.57	3733696.71	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
12090	501026.85	3733705.67	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
12091	500997.04	3733777.38	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
12092	500993.31	3733786.35	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00

12093	500989.59	3733795.31	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
12094	500985.86	3733804.27	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
12095	500982.13	3733813.24	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
12096	500978.41	3733822.2	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
12097	500974.68	3733831.17	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
12098	500970.95	3733840.13	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
12099	500967.23	3733849.09	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.15E-05	0.00E+00	0.00E+00
12100	500963.5	3733858.06	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
12101	500959.78	3733867.02	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12102	500956.05	3733875.98	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12103	500952.32	3733884.95	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
12104	500948.6	3733893.91	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.32E-05	0.00E+00	0.00E+00
12105	500944.87	3733902.88	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
12106	500941.15	3733911.84	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
12107	500937.42	3733920.8	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
12108	500933.69	3733929.77	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
12109	500929.97	3733938.73	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
12110	500926.24	3733947.69	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
12111	500922.51	3733956.66	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
12112	500918.79	3733965.62	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
12113	500915.06	3733974.59	0.000146	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
12114	500911.34	3733983.55	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
12115	500907.61	3733992.51	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
12116	500903.88	3734001.48	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
12117	500900.16	3734010.44	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
12118	500896.43	3734019.4	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
12119	500892.7	3734028.37	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
12120	500888.98	3734037.33	0.000154	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.96E-05	0.00E+00	0.00E+00
12121	500885.25	3734046.3	0.000155	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
12122	500881.53	3734055.26	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
12123	500877.8	3734064.22	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
12124	500874.07	3734073.19	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
12125	500870.35	3734082.15	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
12126	500866.62	3734091.11	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
12127	500862.9	3734100.08	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
12128	500859.17	3734109.04	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
12129	500855.44	3734118.01	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
12130	500851.72	3734126.97	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
12131	500847.99	3734135.93	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
12132	500833.09	3734171.79	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
12133	500820.38	3734184.45	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
12134	500811.41	3734188.15	0.00018	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.71E-05	5.77E-05	0.00E+00	0.00E+00
12135	500802.43	3734191.85	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.88E-05	0.00E+00	0.00E+00
12136	500793.46	3734195.55	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
12137	500784.48	3734199.25	0.000189	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
12138	500775.51	3734202.95	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
12139	500766.54	3734206.65	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
12140	500757.56	3734210.35	0.000199	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
12141	500748.59	3734214.04	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.52E-05	0.00E+00	0.00E+00
12142	500739.61	3734217.74	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
12143	500730.64	3734221.44	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
12144	500721.66	3734225.14	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
12145	500712.69	3734228.84	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
12146	500703.71	3734232.54	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
12147	500694.74	3734236.24	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
12148	500685.76	3734239.94	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
12149	500676.79	3734243.64	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
12150	500667.81	3734247.34	0.000236	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
12151	500658.84	3734251.04	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
12152	500649.86	3734254.74	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
12153	500640.89	3734258.44	0.000247	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
12154	500631.91	3734262.13	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.05E-05	0.00E+00	0.00E+00
12155	500622.94	3734265.83	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
12156	500613.96	3734269.53	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
12157	500587.04	3734280.63	0.00027	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
12158	500578.06	3734284.33	0.000274	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
12159	500569.09	3734288.03	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
12160	500560.11	3734291.73	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.03E-05	0.00E+00	0.00E+00
12161	500551.14	3734295.43	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
12162	500542.16	3734299.13	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.27E-05	0.00E+00	0.00E+00
12163	500533.19	3734302.83	0.000292	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
12164	500524.21	3734306.53	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
12165	500515.24	3734310.23	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
12166	500506.26	3734313.92	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
12167	500497.29	3734317.62	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
12168	500488.31	3734321.32	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
12169	500479.34	3734325.02	0.000314	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
12170	500470.36	3734328.72	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
12171	500461.39	3734332.42	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
12172	500452.41	3734336.12	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
12173	500443.44	3734339.82	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
12174	500434.46	3734343.52	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
12175	500425.49	3734347.22	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
12176	500416.51	3734350.92	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
12177	500407.54	3734354.62	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
12178	500398.56	3734358.32	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
12179	501093.92	3733544.33	9.63E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12180	501093.93	3733534.6	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12181	501093.94	3733524.88	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12182	501093.95	3733515.15	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12183	501093.96	3733505.43	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12184	501094	3733466.53	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12185	501094.01	3733456.81	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12186	501094.02	3733447.08	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12187	501094.03	3733437.36	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12188	501094.04	3733427.63	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12189	501094.05	3733417.91	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12190	501094.06	3733408.18	9.68E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12191	501094.07	3733398.46	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12192	501094.08	3733388.73	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12193	501094.09	3733379.01	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12194	501094.1	3733369.29	9.77E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12195	501094.11	3733359.56	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12196	501094.13	3733340.11	9.84E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12197	501094.14	3733330.39	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12198	501094.15	3733320.66	9.9E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
12199	501094.16	3733310.94	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
12200	501094.17	3733301.21	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12201	501094.19	3733281.77	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12202	501094.2	3733272.04	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
12203	501094.21	3733262.32	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12204	501094.22	3733252.59	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00

12205	501094.23	3733242.87	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
12206	501094.25	3733223.42	0.000103	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
12207	501094.26	3733213.69	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.32E-05	0.00E+00	0.00E+00
12208	501094.27	3733203.97	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12209	501125.92	3733553.3	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12210	501122.2	3733562.25	9.21E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12211	501118.48	3733571.19	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
12212	501114.77	3733580.13	9.35E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
12213	501111.05	3733589.07	9.42E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
12214	501107.33	3733598.01	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
12215	501103.61	3733606.95	9.56E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
12216	501099.9	3733615.9	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12217	501096.18	3733624.84	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12218	501092.46	3733633.78	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12219	501088.75	3733642.72	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12220	501085.03	3733651.66	9.95E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12221	501081.31	3733660.6	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12222	501077.6	3733669.55	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
12223	501073.88	3733678.49	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
12224	501070.16	3733687.43	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12225	501066.44	3733696.37	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12226	501062.73	3733705.31	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
12227	501059.01	3733714.25	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
12228	501055.29	3733723.19	0.000107	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
12229	501051.58	3733732.14	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
12230	500995.82	3733866.26	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
12231	500992.1	3733875.2	0.000123	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
12232	500988.39	3733884.14	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
12233	500984.67	3733893.09	0.000126	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
12234	500980.95	3733902.03	0.000127	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
12235	500977.24	3733910.97	0.000128	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
12236	500973.52	3733919.91	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
12237	500969.8	3733928.85	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
12238	500966.09	3733937.79	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
12239	500962.37	3733946.74	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
12240	500958.65	3733955.68	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
12241	500954.93	3733964.62	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
12242	500951.22	3733973.56	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
12243	500947.5	3733982.5	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
12244	500943.78	3733991.44	0.000138	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
12245	500940.07	3734000.39	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
12246	500936.35	3734009.33	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
12247	500932.63	3734018.27	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
12248	500928.92	3734027.21	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
12249	500925.2	3734036.15	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.60E-05	0.00E+00	0.00E+00
12250	500921.48	3734045.09	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
12251	500917.76	3734054.04	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
12252	500914.05	3734062.98	0.000146	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.70E-05	0.00E+00	0.00E+00
12253	500910.33	3734071.92	0.000148	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
12254	500906.61	3734080.86	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
12255	500902.9	3734089.8	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
12256	500899.18	3734098.74	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
12257	500895.46	3734107.69	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
12258	500891.75	3734116.63	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
12259	500888.03	3734125.57	0.000154	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
12260	500884.31	3734134.51	0.000155	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
12261	500869.44	3734170.28	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.13E-05	0.00E+00	0.00E+00
12262	500865.73	3734179.22	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
12263	500862.01	3734188.16	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
12264	500858.29	3734197.1	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.45E-05	5.24E-05	0.00E+00	0.00E+00
12265	500845.62	3734209.73	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
12266	500836.67	3734213.42	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
12267	500827.72	3734217.11	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
12268	500818.76	3734220.8	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
12269	500809.81	3734224.49	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
12270	500800.86	3734228.18	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
12271	500791.91	3734231.87	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
12272	500782.95	3734235.56	0.000189	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
12273	500774	3734239.25	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
12274	500765.05	3734242.94	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
12275	500756.09	3734246.63	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
12276	500747.14	3734250.32	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
12277	500738.19	3734254.01	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
12278	500729.24	3734257.7	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
12279	500720.28	3734261.39	0.000211	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
12280	500711.33	3734265.09	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
12281	500702.38	3734268.78	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
12282	500693.43	3734272.47	0.000222	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.08E-04	0.00E+00	0.00E+00	3.34E-05	7.12E-05	0.00E+00	0.00E+00
12283	500684.47	3734276.16	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
12284	500675.52	3734279.85	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
12285	500666.57	3734283.54	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
12286	500657.61	3734287.23	0.000236	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
12287	500648.66	3734290.92	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
12288	500639.71	3734294.61	0.000243	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
12289	500630.76	3734298.3	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
12290	500621.8	3734301.99	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
12291	500612.85	3734305.68	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.14E-05	0.00E+00	0.00E+00
12292	500585.99	3734316.75	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
12293	500577.04	3734320.44	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
12294	500568.09	3734324.13	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
12295	500559.13	3734327.82	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
12296	500550.18	3734331.51	0.000278	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
12297	500541.23	3734335.2	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
12298	500532.28	3734338.89	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
12299	500523.32	3734342.58	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
12300	500514.37	3734346.27	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
12301	500505.42	3734349.96	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
12302	500496.46	3734353.65	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.48E-05	9.55E-05	0.00E+00	0.00E+00
12303	500487.51	3734357.34	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
12304	500478.56	3734361.03	0.000304	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
12305	500469.61	3734364.72	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
12306	500460.65	3734368.41	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
12307	500451.7	3734372.1	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
12308	500442.75	3734375.79	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
12309	500433.8	3734379.48	0.000319	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
12310	500424.84	3734383.17	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
12311	500415.89	3734386.86	0.000325	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
12312	500406.94	3734390.55	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
12313	501129.63	3733544.36	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12314	501129.64	3733534.64	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12315	501129.65	3733524.91	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12316	501129.7	3733476.29	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00

12317	501129.71	3733466.57	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12318	501129.72	3733456.84	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12319	501129.73	3733447.12	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12320	501129.74	3733437.39	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12321	501129.75	3733427.67	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12322	501129.76	3733417.94	9.09E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12323	501129.77	3733408.22	9.11E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12324	501129.78	3733398.5	9.12E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
12325	501129.79	3733388.77	9.13E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	1.68E-04	0.00E+00	0.00E+00	1.38E-05	2.93E-05	0.00E+00	0.00E+00
12326	501129.8	3733379.05	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12327	501129.81	3733369.32	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12328	501129.82	3733359.6	9.2E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.95E-05	0.00E+00	0.00E+00
12329	501129.84	3733340.15	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
12330	501129.85	3733330.42	9.31E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12331	501129.86	3733320.7	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
12332	501129.87	3733310.98	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12333	501129.88	3733301.25	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
12334	501129.9	3733281.8	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
12335	501129.91	3733272.08	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
12336	501129.92	3733262.35	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12337	501129.93	3733252.63	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
12338	501129.94	3733242.9	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
12339	501129.96	3733223.46	9.69E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12340	501129.97	3733213.73	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12341	501161.64	3733553.32	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12342	501157.93	3733562.24	8.68E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
12343	501154.22	3733571.16	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
12344	501150.51	3733580.08	8.8E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
12345	501146.81	3733589.01	8.87E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
12346	501143.1	3733597.93	8.95E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
12347	501139.39	3733606.85	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
12348	501135.68	3733615.77	9.09E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12349	501131.97	3733624.69	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12350	501128.26	3733633.61	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12351	501124.55	3733642.53	9.3E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12352	501120.85	3733651.45	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12353	501117.14	3733660.38	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
12354	501113.43	3733669.3	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12355	501109.72	3733678.22	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
12356	501106.01	3733687.14	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12357	501102.3	3733696.06	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12358	501098.59	3733704.98	9.84E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12359	501094.89	3733713.9	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
12360	501091.18	3733722.82	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
12361	501087.47	3733731.75	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12362	500994.76	3733954.78	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
12363	500991.05	3733963.7	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
12364	500987.34	3733972.62	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12365	500983.63	3733981.54	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
12366	500979.92	3733990.46	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
12367	500976.21	3733999.38	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
12368	500972.5	3734008.3	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12369	500968.8	3734017.22	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12370	500965.09	3734026.15	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12371	500961.38	3734035.07	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
12372	500957.67	3734043.99	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
12373	500953.96	3734052.91	0.000135	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.35E-05	0.00E+00	0.00E+00
12374	500950.25	3734061.83	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.38E-05	0.00E+00	0.00E+00
12375	500946.54	3734070.75	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
12376	500942.84	3734079.67	0.000139	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.55E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
12377	500939.13	3734088.59	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
12378	500935.42	3734097.52	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
12379	500931.71	3734106.44	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
12380	500928	3734115.36	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
12381	500924.29	3734124.28	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.62E-05	0.00E+00	0.00E+00
12382	500920.58	3734133.2	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
12383	500905.75	3734168.89	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
12384	500902.04	3734177.81	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
12385	500898.33	3734186.73	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
12386	500894.63	3734195.65	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
12387	500890.92	3734204.57	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
12388	500887.21	3734213.49	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
12389	500883.5	3734222.41	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
12390	500870.86	3734235.02	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
12391	500861.93	3734238.7	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
12392	500852.99	3734242.38	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
12393	500844.06	3734246.06	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
12394	500835.13	3734249.74	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
12395	500826.2	3734253.43	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
12396	500817.26	3734257.11	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00
12397	500808.33	3734260.79	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
12398	500799.4	3734264.47	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
12399	500790.47	3734268.15	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
12400	500781.54	3734271.83	0.000187	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
12401	500772.6	3734275.52	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
12402	500763.67	3734279.2	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
12403	500754.74	3734282.88	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.30E-05	0.00E+00	0.00E+00
12404	500745.81	3734286.56	0.000199	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
12405	500736.87	3734290.24	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
12406	500727.94	3734293.92	0.000206	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
12407	500719.01	3734297.61	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
12408	500710.08	3734301.29	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
12409	500701.14	3734304.97	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
12410	500692.21	3734308.65	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
12411	500683.28	3734312.33	0.000222	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
12412	500674.35	3734316.01	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
12413	500665.41	3734319.7	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
12414	500656.48	3734323.38	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
12415	500647.55	3734327.06	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.54E-05	0.00E+00	0.00E+00
12416	500638.62	3734330.74	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
12417	500629.69	3734334.42	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
12418	500620.75	3734338.1	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
12419	500611.82	3734341.79	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
12420	500585.02	3734352.83	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
12421	500576.09	3734356.51	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
12422	500567.16	3734360.19	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
12423	500558.23	3734363.88	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
12424	500549.29	3734367.56	0.00027	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
12425	500540.36	3734371.24	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
12426	500531.43	3734374.92	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
12427	500522.5	3734378.6	0.00028	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
12428	500513.57	3734382.28	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00

12429	500504.63	3734385.97	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
12430	500495.7	3734389.65	0.000288	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
12431	500486.77	3734393.33	0.000291	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.35E-05	0.00E+00	0.00E+00
12432	500477.84	3734397.01	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
12433	500468.9	3734400.69	0.000297	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
12434	500459.97	3734404.38	0.0003	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
12435	500451.04	3734408.06	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
12436	500442.11	3734411.74	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
12437	500433.17	3734415.42	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
12438	500424.24	3734419.1	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
12439	500415.31	3734422.78	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
12440	500406.38	3734426.47	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
12441	501165.35	3733544.4	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12442	501165.4	3733495.78	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12443	501165.41	3733486.05	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12444	501165.42	3733476.33	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12445	501165.43	3733466.6	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12446	501165.44	3733456.88	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12447	501165.45	3733447.15	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12448	501165.46	3733437.43	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12449	501165.47	3733427.71	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12450	501165.48	3733417.98	8.6E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12451	501165.49	3733408.26	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.76E-05	0.00E+00	0.00E+00
12452	501165.5	3733398.53	8.62E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12453	501165.51	3733388.81	8.64E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12454	501165.52	3733379.08	8.65E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
12455	501165.53	3733369.36	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.78E-05	0.00E+00	0.00E+00
12456	501165.54	3733359.63	8.69E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
12457	501165.56	3733340.19	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12458	501165.57	3733330.46	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
12459	501165.58	3733320.74	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12460	501165.59	3733311.01	8.8E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
12461	501165.6	3733301.29	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
12462	501165.62	3733281.84	8.89E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
12463	501165.63	3733272.11	8.93E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	1.65E-04	0.00E+00	0.00E+00	1.34E-05	2.87E-05	0.00E+00	0.00E+00
12464	501165.64	3733262.39	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
12465	501165.65	3733252.67	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
12466	501165.66	3733242.94	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12467	501165.69	3733213.77	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
12468	501165.7	3733204.04	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12469	501197.36	3733553.34	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.61E-05	0.00E+00	0.00E+00
12470	501193.66	3733562.24	8.2E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
12471	501189.96	3733571.14	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
12472	501186.26	3733580.05	8.31E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
12473	501182.56	3733588.95	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
12474	501178.86	3733597.85	8.44E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
12475	501175.16	3733606.75	8.5E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
12476	501171.46	3733615.65	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12477	501167.76	3733624.56	8.64E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12478	501164.06	3733633.46	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12479	501160.35	3733642.36	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12480	501156.65	3733651.26	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
12481	501152.95	3733660.17	8.89E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
12482	501149.25	3733669.07	8.96E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
12483	501145.55	3733677.97	9.04E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
12484	501141.85	3733686.87	9.11E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
12485	501138.15	3733695.78	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
12486	501134.45	3733704.68	9.27E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
12487	501130.75	3733713.58	9.35E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
12488	501127.05	3733722.48	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
12489	501123.35	3733731.39	9.5E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
12490	501108.55	3733767	9.82E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
12491	501104.84	3733775.9	9.9E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
12492	501101.14	3733784.8	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
12493	501097.44	3733793.7	0.000101	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
12494	501093.74	3733802.6	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12495	501090.04	3733811.51	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12496	501086.34	3733820.41	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12497	501082.64	3733829.31	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.56E-05	3.34E-05	0.00E+00	0.00E+00
12498	501027.13	3733962.85	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
12499	501023.43	3733971.75	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.79E-05	0.00E+00	0.00E+00
12500	501019.73	3733980.65	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
12501	500993.82	3734042.97	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
12502	500990.12	3734051.87	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
12503	500986.42	3734060.77	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
12504	500982.72	3734069.68	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
12505	500979.02	3734078.58	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
12506	500975.32	3734087.48	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12507	500971.62	3734096.38	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12508	500967.92	3734105.29	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12509	500964.22	3734114.19	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
12510	500960.52	3734123.09	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
12511	500956.82	3734131.99	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
12512	500953.12	3734140.9	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
12513	500938.31	3734176.51	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
12514	500934.61	3734185.41	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
12515	500930.91	3734194.31	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
12516	500927.21	3734203.21	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
12517	500923.51	3734212.11	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.62E-05	0.00E+00	0.00E+00
12518	500919.81	3734221.02	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
12519	500916.11	3734229.92	0.000146	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
12520	500912.41	3734238.82	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
12521	500908.71	3734247.72	0.000147	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
12522	500896.09	3734260.3	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
12523	500887.18	3734263.97	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
12524	500878.27	3734267.65	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
12525	500869.35	3734271.32	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
12526	500860.44	3734275	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
12527	500851.53	3734278.67	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
12528	500842.61	3734282.34	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
12529	500833.7	3734286.02	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
12530	500824.79	3734289.69	0.000171	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
12531	500815.87	3734293.37	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
12532	500806.96	3734297.04	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
12533	500798.05	3734300.71	0.00018	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.71E-05	5.77E-05	0.00E+00	0.00E+00
12534	500789.13	3734304.39	0.000183	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
12535	500780.22	3734308.06	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
12536	500771.31	3734311.74	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.05E-05	0.00E+00	0.00E+00
12537	500762.39	3734315.41	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
12538	500753.48	3734319.08	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
12539	500744.56	3734322.76	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
12540	500735.65	3734326.43	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00

12541	500726.74	3734330.11	0.000203	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
12542	500717.82	3734333.78	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
12543	500708.91	3734337.45	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
12544	500700	3734341.13	0.000212	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
12545	500691.08	3734344.8	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
12546	500628.69	3734370.52	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
12547	500584.12	3734388.89	0.000252	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
12548	500575.21	3734392.56	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
12549	500566.3	3734396.24	0.000257	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
12550	500557.38	3734399.91	0.00026	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
12551	500548.47	3734403.58	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
12552	500539.56	3734407.26	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.01E-05	8.54E-05	0.00E+00	0.00E+00
12553	500530.64	3734410.93	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
12554	500521.73	3734414.61	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
12555	500512.81	3734418.28	0.000274	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
12556	500503.9	3734421.95	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
12557	500494.99	3734425.63	0.00028	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
12558	500486.07	3734429.3	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
12559	500477.16	3734432.98	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
12560	500468.25	3734436.65	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
12561	500459.33	3734440.32	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
12562	500450.42	3734444	0.000292	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.39E-05	0.00E+00	0.00E+00
12563	500441.51	3734447.67	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
12564	500432.59	3734451.34	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
12565	500423.68	3734455.02	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
12566	500414.77	3734458.69	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
12567	500405.85	3734462.37	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.79E-05	0.00E+00	0.00E+00
12568	501201.09	3733515.26	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12569	501201.1	3733505.54	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12570	501201.11	3733495.81	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12571	501201.12	3733486.09	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12572	501201.13	3733476.36	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12573	501201.14	3733466.64	8.1E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12574	501201.15	3733456.92	8.1E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12575	501201.16	3733447.19	8.11E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12576	501201.17	3733437.47	8.12E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
12577	501201.18	3733427.74	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
12578	501201.19	3733418.02	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12579	501201.2	3733408.29	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12580	501201.21	3733398.57	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12581	501201.22	3733388.84	8.18E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
12582	501201.23	3733379.12	8.2E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
12583	501201.24	3733369.4	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
12584	501201.25	3733359.67	8.23E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
12585	501201.27	3733340.22	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
12586	501201.28	3733330.5	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
12587	501201.29	3733320.77	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
12588	501201.3	3733311.05	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
12589	501201.31	3733301.32	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
12590	501201.32	3733291.6	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
12591	501201.33	3733281.88	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
12592	501201.34	3733272.15	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
12593	501201.35	3733262.43	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
12594	501201.36	3733252.7	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
12595	501201.37	3733242.98	8.55E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
12596	501201.38	3733233.25	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12597	501201.39	3733223.53	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12598	501225.7	3733571.13	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
12599	501222	3733580.01	7.87E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
12600	501218.31	3733588.9	7.92E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
12601	501214.62	3733597.78	7.98E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
12602	501210.92	3733606.67	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
12603	501207.23	3733615.55	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12604	501203.54	3733624.44	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12605	501199.84	3733633.32	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
12606	501196.15	3733642.21	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
12607	501192.46	3733651.09	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
12608	501188.76	3733659.98	8.4E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
12609	501185.07	3733668.86	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
12610	501181.38	3733677.75	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
12611	501177.68	3733686.63	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12612	501173.99	3733695.52	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
12613	501170.3	3733704.4	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12614	501166.6	3733713.29	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12615	501162.91	3733722.17	8.86E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
12616	501159.21	3733731.06	8.94E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
12617	501155.52	3733739.94	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
12618	501144.44	3733766.59	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
12619	501140.75	3733775.48	9.3E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12620	501137.05	3733784.36	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12621	501133.36	3733793.25	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
12622	501129.67	3733802.13	9.52E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12623	501125.97	3733811.02	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
12624	501122.28	3733819.9	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12625	501118.59	3733828.79	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12626	501114.89	3733837.67	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12627	501111.2	3733846.56	9.91E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
12628	501107.51	3733855.44	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
12629	501103.81	3733864.33	0.000101	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
12630	501100.12	3733873.21	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12631	501096.43	3733882.1	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
12632	501092.73	3733890.98	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12633	501089.04	3733899.87	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12634	501085.35	3733908.75	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
12635	501081.65	3733917.64	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
12636	501063.19	3733962.06	0.000109	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
12637	501059.49	3733970.95	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
12638	501055.8	3733979.83	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
12639	501052.11	3733988.72	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
12640	501048.41	3733997.6	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
12641	501044.72	3734006.49	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
12642	501041.03	3734015.37	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
12643	501037.33	3734024.26	0.000115	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
12644	501033.64	3734033.14	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
12645	501029.95	3734042.03	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
12646	501026.25	3734050.91	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
12647	501022.56	3734059.8	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
12648	501018.86	3734068.68	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
12649	500993.01	3734130.88	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12650	500989.32	3734139.76	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
12651	500974.54	3734175.3	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12652	500970.85	3734184.18	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00

12653	500967.16	3734193.07	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12654	500963.46	3734201.95	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
12655	500959.77	3734210.84	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
12656	500956.08	3734219.72	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
12657	500952.38	3734228.61	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
12658	500948.69	3734237.49	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
12659	500945	3734246.38	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
12660	500941.3	3734255.26	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
12661	500937.61	3734264.15	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
12662	500933.92	3734273.03	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
12663	500921.33	3734285.58	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
12664	500912.43	3734289.25	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
12665	500903.54	3734292.92	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
12666	500894.64	3734296.59	0.000151	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
12667	500885.74	3734300.25	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
12668	500876.85	3734303.92	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
12669	500867.95	3734307.59	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
12670	500859.06	3734311.25	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
12671	500850.16	3734314.92	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
12672	500841.26	3734318.59	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
12673	500832.37	3734322.25	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
12674	500823.47	3734325.92	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.47E-05	0.00E+00	0.00E+00
12675	500814.58	3734329.59	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
12676	500805.68	3734333.25	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
12677	500796.78	3734336.92	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
12678	500787.89	3734340.59	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.81E-05	0.00E+00	0.00E+00
12679	500778.99	3734344.25	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
12680	500716.72	3734369.92	0.000204	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.07E-05	6.54E-05	0.00E+00	0.00E+00
12681	500707.82	3734373.59	0.000206	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
12682	500698.93	3734377.25	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
12683	500690.03	3734380.92	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
12684	500681.14	3734384.59	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
12685	500672.24	3734388.25	0.000218	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
12686	500663.34	3734391.92	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
12687	500654.45	3734395.59	0.000223	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
12688	500645.55	3734399.25	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.26E-05	0.00E+00	0.00E+00
12689	500636.66	3734402.92	0.000229	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
12690	500627.76	3734406.59	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
12691	500592.18	3734421.25	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
12692	500583.28	3734424.92	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
12693	500574.39	3734428.59	0.000248	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
12694	500565.49	3734432.25	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
12695	500556.59	3734435.92	0.000254	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
12696	500547.7	3734439.59	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
12697	500538.8	3734443.25	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
12698	500529.91	3734446.92	0.000261	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.82E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
12699	500521.01	3734450.59	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
12700	500512.11	3734454.25	0.000266	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.55E-05	0.00E+00	0.00E+00
12701	500503.22	3734457.92	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
12702	500494.32	3734461.59	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
12703	500485.43	3734465.25	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
12704	500476.53	3734468.92	0.000276	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
12705	500467.63	3734472.59	0.000278	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
12706	500458.74	3734476.25	0.00028	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
12707	500449.84	3734479.92	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
12708	500440.95	3734483.59	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
12709	500432.05	3734487.25	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
12710	500245.24	3734564.25	0.000325	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
12711	500236.34	3734567.92	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
12712	500227.44	3734571.59	0.000327	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
12713	500218.55	3734575.25	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
12714	501236.8	3733525.02	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12715	501236.81	3733515.3	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12716	501236.82	3733505.57	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12717	501236.83	3733495.85	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12718	501236.84	3733486.13	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12719	501236.85	3733476.4	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12720	501236.86	3733466.68	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12721	501236.87	3733456.95	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12722	501236.88	3733447.23	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.16E-05	2.46E-05	0.00E+00	0.00E+00
12723	501236.89	3733437.5	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12724	501236.9	3733427.78	7.7E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12725	501236.91	3733418.05	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12726	501236.92	3733408.33	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12727	501236.93	3733398.61	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
12728	501236.94	3733388.88	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
12729	501236.95	3733379.16	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12730	501236.96	3733369.43	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12731	501236.97	3733359.71	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
12732	501236.99	3733340.26	7.85E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
12733	501237	3733330.53	7.87E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.53E-05	0.00E+00	0.00E+00
12734	501237.01	3733320.81	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
12735	501237.02	3733311.09	7.91E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
12736	501237.03	3733301.36	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
12737	501253.84	3733589.37	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
12738	501250.11	3733598.35	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
12739	501246.38	3733607.32	7.62E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
12740	501242.65	3733616.29	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12741	501238.92	3733625.27	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12742	501235.19	3733634.24	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12743	501231.46	3733643.21	7.84E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
12744	501227.73	3733652.18	7.9E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
12745	501224	3733661.16	7.96E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
12746	501220.27	3733670.13	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
12747	501216.54	3733679.1	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12748	501212.81	3733688.08	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.61E-05	0.00E+00	0.00E+00
12749	501209.08	3733697.05	8.2E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.63E-05	0.00E+00	0.00E+00
12750	501205.35	3733706.02	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.66E-05	0.00E+00	0.00E+00
12751	501201.62	3733715	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
12752	501197.89	3733723.97	8.4E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
12753	501194.16	3733732.94	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
12754	501179.24	3733768.83	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12755	501175.51	3733777.81	0.000088	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.83E-05	0.00E+00	0.00E+00
12756	501171.78	3733786.78	8.87E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.63E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
12757	501168.05	3733795.75	8.94E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
12758	501164.32	3733804.72	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
12759	501160.59	3733813.7	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12760	501156.86	3733822.67	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12761	501153.13	3733831.64	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12762	501149.4	3733840.62	9.3E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12763	501145.67	3733849.59	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12764	501141.94	3733858.56	9.44E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00

12765	501138.21	3733867.54	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12766	501134.48	3733876.51	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
12767	501130.75	3733885.48	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12768	501127.02	3733894.45	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12769	501123.29	3733903.43	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
12770	501119.56	3733912.4	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12771	501115.83	3733921.37	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12772	501112.1	3733930.35	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12773	501108.37	3733939.32	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
12774	501104.64	3733948.29	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
12775	501100.91	3733957.26	0.000103	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12776	501097.18	3733966.24	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12777	501093.45	3733975.21	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
12778	501089.72	3733984.18	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
12779	501085.99	3733993.16	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
12780	501082.26	3734002.13	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
12781	501078.53	3734011.1	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
12782	501074.8	3734020.08	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
12783	501071.07	3734029.05	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
12784	501067.34	3734038.02	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
12785	501063.61	3734046.99	0.00011	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
12786	501059.88	3734055.97	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
12787	501056.15	3734064.94	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
12788	501052.42	3734073.91	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
12789	501048.69	3734082.89	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
12790	501044.96	3734091.86	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
12791	501041.23	3734100.83	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
12792	501037.5	3734109.81	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
12793	501033.77	3734118.78	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
12794	501030.04	3734127.75	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
12795	501026.31	3734136.72	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
12796	500992.74	3734217.48	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12797	500989.01	3734226.45	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
12798	500985.28	3734235.43	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.92E-05	4.11E-05	0.00E+00	0.00E+00
12799	500981.55	3734244.4	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
12800	500977.82	3734253.37	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
12801	500974.09	3734262.35	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12802	500970.36	3734271.32	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12803	500966.63	3734280.29	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12804	500962.9	3734289.26	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
12805	500959.17	3734298.24	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
12806	500946.45	3734310.91	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
12807	500937.47	3734314.62	0.000139	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
12808	500928.49	3734318.32	0.000141	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
12809	500919.5	3734322.02	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
12810	500910.52	3734325.73	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
12811	500901.53	3734329.43	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
12812	500892.55	3734333.13	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
12813	500883.57	3734336.83	0.000153	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
12814	500874.58	3734340.54	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
12815	500865.6	3734344.24	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
12816	500802.71	3734370.16	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
12817	500793.72	3734373.86	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
12818	500784.74	3734377.57	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
12819	500775.76	3734381.27	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
12820	500766.77	3734384.97	0.000185	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
12821	500757.79	3734388.68	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
12822	500748.8	3734392.38	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
12823	500739.82	3734396.08	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
12824	500730.84	3734399.79	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
12825	500721.85	3734403.49	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
12826	500712.87	3734407.19	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
12827	500703.88	3734410.9	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.56E-05	0.00E+00	0.00E+00
12828	500694.9	3734414.6	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
12829	500685.92	3734418.3	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
12830	500676.93	3734422	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
12831	500667.95	3734425.71	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
12832	500658.96	3734429.41	0.000217	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
12833	500649.98	3734433.11	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.31E-05	7.07E-05	0.00E+00	0.00E+00
12834	500640.99	3734436.82	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
12835	500632.01	3734440.52	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.24E-05	0.00E+00	0.00E+00
12836	500623.03	3734444.22	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
12837	500587.09	3734459.04	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
12838	500578.11	3734462.74	0.000241	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.73E-05	0.00E+00	0.00E+00
12839	500569.12	3734466.44	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
12840	500560.14	3734470.14	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
12841	500551.15	3734473.85	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
12842	500542.17	3734477.55	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
12843	500533.19	3734481.25	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
12844	500524.2	3734484.96	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
12845	500326.55	3734566.42	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.61E-05	0.00E+00	0.00E+00
12846	500317.57	3734570.13	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.66E-05	0.00E+00	0.00E+00
12847	500308.58	3734573.83	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
12848	500299.6	3734577.53	0.000304	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
12849	500290.61	3734581.24	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
12850	500281.63	3734584.94	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
12851	500272.65	3734588.64	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
12852	500263.66	3734592.34	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.66E-05	9.93E-05	0.00E+00	0.00E+00
12853	500254.68	3734596.05	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
12854	500245.69	3734599.75	0.000312	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
12855	500236.71	3734603.45	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
12856	500227.73	3734607.16	0.000314	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
12857	500218.74	3734610.86	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
12858	501272.49	3733544.51	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12859	501272.5	3733534.78	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12860	501272.51	3733525.06	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12861	501272.52	3733515.34	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12862	501272.53	3733505.61	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12863	501272.54	3733495.89	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12864	501272.55	3733486.16	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12865	501272.56	3733476.44	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12866	501272.57	3733466.71	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12867	501272.58	3733456.99	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12868	501272.59	3733447.26	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12869	501272.6	3733437.54	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12870	501272.61	3733427.82	7.3E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12871	501272.62	3733418.09	7.31E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
12872	501272.63	3733408.37	7.33E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
12873	501272.64	3733398.64	7.34E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	1.35E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
12874	501272.65	3733388.92	7.35E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
12875	501272.66	3733379.19	7.37E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
12876	501272.67	3733369.47	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00

12877	501272.68	3733359.74	7.4E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.38E-05	0.00E+00	0.00E+00
12878	501272.7	3733340.3	7.43E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
12879	501272.71	3733330.57	7.45E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
12880	501272.72	3733320.85	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
12881	501272.73	3733311.12	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
12882	501272.74	3733301.4	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
12883	501272.76	3733281.95	7.59E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
12884	501272.77	3733272.22	7.62E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
12885	501272.78	3733262.5	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
12886	501272.79	3733252.78	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12887	501272.8	3733243.05	7.7E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12888	501304.48	3733553.5	6.97E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
12889	501282.15	3733607.22	7.24E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
12890	501278.43	3733616.18	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12891	501274.71	3733625.13	7.34E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	1.35E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
12892	501270.98	3733634.09	7.39E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
12893	501267.26	3733643.04	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
12894	501263.54	3733651.99	7.5E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
12895	501259.82	3733660.95	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
12896	501256.09	3733669.9	7.61E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.44E-05	0.00E+00	0.00E+00
12897	501252.37	3733678.86	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12898	501248.65	3733687.81	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12899	501244.93	3733696.76	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12900	501241.21	3733705.72	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
12901	501237.48	3733714.67	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
12902	501233.76	3733723.63	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
12903	501230.04	3733732.58	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
12904	501226.32	3733741.53	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12905	501215.15	3733768.4	8.26E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
12906	501211.43	3733777.35	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
12907	501207.71	3733786.31	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
12908	501203.98	3733795.26	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
12909	501200.26	3733804.21	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
12910	501196.54	3733813.17	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12911	501192.82	3733822.12	8.65E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
12912	501189.1	3733831.08	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12913	501185.37	3733840.03	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12914	501181.65	3733848.98	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
12915	501177.93	3733857.94	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
12916	501174.21	3733866.89	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
12917	501170.49	3733875.85	9.05E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12918	501166.76	3733884.8	9.12E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
12919	501163.04	3733893.75	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
12920	501159.32	3733902.71	9.25E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
12921	501155.6	3733911.66	9.32E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12922	501151.87	3733920.62	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
12923	501148.15	3733929.57	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
12924	501144.43	3733938.52	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12925	501140.71	3733947.48	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
12926	501136.99	3733956.43	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12927	501133.26	3733965.39	9.74E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.79E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12928	501129.54	3733974.34	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
12929	501125.82	3733983.29	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12930	501122.1	3733992.25	9.95E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12931	501118.37	3734001.2	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12932	501114.65	3734010.16	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12933	501110.93	3734019.11	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12934	501107.21	3734028.06	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12935	501103.49	3734037.02	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12936	501099.76	3734045.97	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.34E-05	0.00E+00	0.00E+00
12937	501096.04	3734054.93	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
12938	501092.32	3734063.88	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
12939	501088.6	3734072.83	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
12940	501084.88	3734081.79	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
12941	501081.15	3734090.74	0.000108	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
12942	501077.43	3734099.7	0.000108	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
12943	501073.71	3734108.65	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
12944	501069.99	3734117.6	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
12945	501066.26	3734126.56	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.55E-05	0.00E+00	0.00E+00
12946	501062.54	3734135.51	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
12947	501047.65	3734171.33	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
12948	501043.93	3734180.28	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
12949	501040.21	3734189.24	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
12950	501036.49	3734198.19	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
12951	501032.76	3734207.15	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
12952	501029.04	3734216.1	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
12953	501025.32	3734225.05	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.79E-05	3.83E-05	0.00E+00	0.00E+00
12954	501021.6	3734234.01	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
12955	501017.88	3734242.96	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
12956	500991.82	3734305.64	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12957	500988.1	3734314.59	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
12958	500984.38	3734323.55	0.000128	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
12959	500971.69	3734336.2	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
12960	500962.72	3734339.89	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
12961	500953.76	3734343.59	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
12962	500891	3734369.45	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
12963	500882.04	3734373.15	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
12964	500873.07	3734376.84	0.000154	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
12965	500864.11	3734380.54	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
12966	500855.14	3734384.24	0.000159	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
12967	500846.18	3734387.93	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
12968	500837.21	3734391.63	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
12969	500828.25	3734395.32	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
12970	500819.28	3734399.02	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
12971	500810.32	3734402.71	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
12972	500801.35	3734406.41	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
12973	500792.39	3734410.1	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
12974	500783.42	3734413.8	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
12975	500774.46	3734417.49	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
12976	500765.49	3734421.19	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
12977	500756.52	3734424.88	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
12978	500747.56	3734428.58	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
12979	500738.59	3734432.27	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
12980	500729.63	3734435.97	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
12981	500720.66	3734439.66	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
12982	500711.7	3734443.36	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
12983	500702.73	3734447.05	0.000201	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
12984	500693.77	3734450.75	0.000203	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
12985	500684.8	3734454.44	0.000206	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
12986	500675.84	3734458.14	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
12987	500666.87	3734461.84	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
12988	500657.91	3734465.53	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00

12989	500648.94	3734469.23	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
12990	500639.98	3734472.92	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
12991	500631.01	3734476.62	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
12992	500622.05	3734480.31	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
12993	500415.85	3734565.3	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
12994	500406.88	3734569	0.000274	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
12995	500397.92	3734572.69	0.000275	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.84E-05	0.00E+00	0.00E+00
12996	500388.95	3734576.39	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
12997	500379.99	3734580.08	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
12998	500371.02	3734583.78	0.00028	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.00E-05	0.00E+00	0.00E+00
12999	500362.06	3734587.47	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
13000	500353.09	3734591.17	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
13001	500344.13	3734594.86	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
13002	500335.16	3734598.56	0.000287	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.20E-05	0.00E+00	0.00E+00
13003	500326.2	3734602.25	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
13004	500317.23	3734605.95	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
13005	500308.27	3734609.65	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
13006	500299.3	3734613.34	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
13007	500290.34	3734617.04	0.000293	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.42E-05	0.00E+00	0.00E+00
13008	500281.37	3734620.73	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
13009	500272.4	3734624.43	0.000296	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.50E-05	0.00E+00	0.00E+00
13010	500263.44	3734628.12	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
13011	500254.47	3734631.82	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
13012	500245.51	3734635.51	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
13013	500236.54	3734639.21	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
13014	500227.58	3734642.9	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
13015	500218.61	3734646.6	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
13016	501308.21	3733544.55	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13017	501308.22	3733534.82	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13018	501308.23	3733525.1	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13019	501308.24	3733515.37	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13020	501308.25	3733505.65	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13021	501308.26	3733495.92	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13022	501308.27	3733486.2	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13023	501308.28	3733476.47	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13024	501308.29	3733466.75	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13025	501308.3	3733457.03	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13026	501308.31	3733447.3	6.94E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13027	501308.32	3733437.58	6.94E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13028	501308.33	3733427.85	6.95E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13029	501308.34	3733418.13	6.96E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13030	501308.35	3733408.4	6.97E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
13031	501308.36	3733398.68	6.98E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
13032	501308.37	3733388.95	6.99E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.25E-05	0.00E+00	0.00E+00
13033	501308.38	3733379.23	7E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.25E-05	0.00E+00	0.00E+00
13034	501308.39	3733369.51	7.02E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	1.29E-04	0.00E+00	0.00E+00	1.06E-05	2.25E-05	0.00E+00	0.00E+00
13035	501308.4	3733359.78	7.03E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.26E-05	0.00E+00	0.00E+00
13036	501308.43	3733330.61	7.09E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
13037	501308.44	3733320.88	7.11E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
13038	501308.45	3733311.16	7.13E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.29E-05	0.00E+00	0.00E+00
13039	501308.46	3733301.43	7.15E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	1.32E-04	0.00E+00	0.00E+00	1.08E-05	2.30E-05	0.00E+00	0.00E+00
13040	501308.48	3733281.99	7.19E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	1.33E-04	0.00E+00	0.00E+00	1.08E-05	2.31E-05	0.00E+00	0.00E+00
13041	501308.49	3733272.26	7.22E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	1.33E-04	0.00E+00	0.00E+00	1.09E-05	2.32E-05	0.00E+00	0.00E+00
13042	501308.5	3733262.54	7.24E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
13043	501308.51	3733252.81	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
13044	501340.2	3733553.52	6.64E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	1.22E-04	0.00E+00	0.00E+00	1.00E-05	2.13E-05	0.00E+00	0.00E+00
13045	501336.49	3733562.46	6.68E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	1.23E-04	0.00E+00	0.00E+00	1.01E-05	2.15E-05	0.00E+00	0.00E+00
13046	501332.77	3733571.39	6.72E-05	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	1.24E-04	0.00E+00	0.00E+00	1.01E-05	2.16E-05	0.00E+00	0.00E+00
13047	501280.77	3733696.5	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
13048	501277.05	3733705.44	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
13049	501273.34	3733714.37	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
13050	501269.62	3733723.31	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
13051	501265.91	3733732.25	7.6E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
13052	501262.19	3733741.18	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
13053	501251.05	3733767.99	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
13054	501247.33	3733776.93	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
13055	501243.62	3733785.86	7.95E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
13056	501239.9	3733794.8	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
13057	501236.19	3733803.74	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
13058	501232.47	3733812.67	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
13059	501228.76	3733821.61	8.19E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
13060	501225.05	3733830.55	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
13061	501221.33	3733839.48	8.31E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
13062	501217.62	3733848.42	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
13063	501213.9	3733857.36	8.43E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
13064	501210.19	3733866.29	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
13065	501206.47	3733875.23	8.54E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
13066	501202.76	3733884.17	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
13067	501199.04	3733893.1	8.68E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
13068	501195.33	3733902.04	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
13069	501191.61	3733910.97	8.8E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
13070	501187.9	3733919.91	8.86E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
13071	501184.18	3733928.85	8.92E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
13072	501180.47	3733937.78	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
13073	501176.75	3733946.72	9.04E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
13074	501173.04	3733955.66	9.1E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
13075	501169.32	3733964.59	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
13076	501165.61	3733973.53	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
13077	501161.89	3733982.47	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
13078	501158.18	3733991.4	9.36E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
13079	501154.46	3734000.34	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
13080	501150.75	3734009.27	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
13081	501147.03	3734018.21	9.55E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
13082	501143.32	3734027.15	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
13083	501139.6	3734036.08	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
13084	501135.89	3734045.02	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
13085	501132.17	3734053.96	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
13086	501128.46	3734062.89	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
13087	501124.74	3734071.83	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
13088	501121.03	3734080.77	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
13089	501117.32	3734089.7	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
13090	501113.6	3734098.64	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
13091	501109.89	3734107.57	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
13092	501106.17	3734116.51	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
13093	501102.46	3734125.45	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
13094	501098.74	3734134.38	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
13095	501095.03	3734143.32	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
13096	501083.88	3734170.13	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
13097	501080.17	3734179.07	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
13098	501076.45	3734188	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
13099	501072.74	3734196.94	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
13100	501069.02	3734205.87	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00

13101	501065.31	3734214.81	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.57E-05	0.00E+00	0.00E+00
13102	501061.59	3734223.75	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
13103	501057.88	3734232.68	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
13104	501054.16	3734241.62	0.000113	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
13105	501050.45	3734250.56	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
13106	501046.73	3734259.49	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
13107	501043.02	3734268.43	0.000116	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
13108	501039.3	3734277.37	0.000116	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
13109	501035.59	3734286.3	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
13110	501031.87	3734295.24	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.79E-05	0.00E+00	0.00E+00
13111	501028.16	3734304.18	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
13112	501024.44	3734313.11	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
13113	501020.73	3734322.05	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
13114	500987.98	3734365.17	0.000127	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.06E-05	0.00E+00	0.00E+00
13115	500979.03	3734368.86	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
13116	500970.08	3734372.55	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
13117	500961.13	3734376.23	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
13118	500952.19	3734379.92	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
13119	500943.24	3734383.61	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
13120	500934.29	3734387.3	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
13121	500925.34	3734390.98	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
13122	500916.4	3734394.67	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
13123	500907.45	3734398.36	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
13124	500898.5	3734402.05	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
13125	500889.55	3734405.74	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
13126	500880.61	3734409.42	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
13127	500871.66	3734413.11	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
13128	500862.71	3734416.8	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
13129	500853.76	3734420.49	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
13130	500844.82	3734424.18	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
13131	500835.87	3734427.86	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
13132	500826.92	3734431.55	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
13133	500817.97	3734435.24	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
13134	500809.03	3734438.93	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
13135	500800.08	3734442.62	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
13136	500791.13	3734446.3	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
13137	500782.18	3734449.99	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
13138	500773.24	3734453.68	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
13139	500764.29	3734457.37	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.82E-05	0.00E+00	0.00E+00
13140	500755.34	3734461.06	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
13141	500746.39	3734464.74	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
13142	500737.45	3734468.43	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
13143	500728.5	3734472.12	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
13144	500719.55	3734475.81	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
13145	500710.6	3734479.5	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
13146	500701.66	3734483.18	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
13147	500692.71	3734486.87	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
13148	500683.76	3734490.56	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
13149	500674.81	3734494.25	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
13150	500665.87	3734497.94	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
13151	500656.92	3734501.62	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
13152	500647.97	3734505.31	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
13153	500639.02	3734509	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
13154	500630.08	3734512.69	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
13155	500621.13	3734516.38	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
13156	500495.86	3734568.01	0.000247	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
13157	500486.92	3734571.7	0.000248	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
13158	500477.97	3734575.38	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
13159	500469.02	3734579.07	0.000253	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
13160	500460.07	3734582.76	0.000254	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
13161	500451.13	3734586.45	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
13162	500442.18	3734590.13	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
13163	500433.23	3734593.82	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.33E-05	0.00E+00	0.00E+00
13164	500424.28	3734597.51	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
13165	500415.34	3734601.2	0.000263	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
13166	500406.39	3734604.89	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
13167	500397.44	3734608.57	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
13168	500388.49	3734612.26	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.59E-05	0.00E+00	0.00E+00
13169	500379.55	3734615.95	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
13170	500370.6	3734619.64	0.00027	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
13171	500361.65	3734623.33	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
13172	500352.7	3734627.01	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
13173	500343.76	3734630.7	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
13174	500334.81	3734634.39	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
13175	500325.86	3734638.08	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
13176	500316.91	3734641.77	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
13177	500307.97	3734645.45	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
13178	500299.02	3734649.14	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.03E-05	0.00E+00	0.00E+00
13179	500290.07	3734652.83	0.000282	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
13180	500281.12	3734656.52	0.000284	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
13181	500272.18	3734660.21	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
13182	500263.23	3734663.89	0.000286	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
13183	500254.28	3734667.58	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
13184	500245.33	3734671.27	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
13185	500236.39	3734674.96	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
13186	500227.44	3734678.65	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.37E-05	9.31E-05	0.00E+00	0.00E+00
13187	500218.49	3734682.33	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
13188	501343.92	3733544.58	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13189	501343.93	3733534.86	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13190	501343.94	3733525.13	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13191	501343.95	3733515.41	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13192	501343.96	3733505.68	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13193	501343.97	3733495.96	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13194	501343.98	3733486.24	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13195	501343.99	3733476.51	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13196	501344	3733466.79	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13197	501344.01	3733457.06	6.61E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	1.22E-04	0.00E+00	0.00E+00	9.95E-06	2.12E-05	0.00E+00	0.00E+00
13198	501344.02	3733447.34	6.61E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	1.22E-04	0.00E+00	0.00E+00	9.96E-06	2.12E-05	0.00E+00	0.00E+00
13199	501344.03	3733437.61	6.62E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	1.22E-04	0.00E+00	0.00E+00	9.96E-06	2.13E-05	0.00E+00	0.00E+00
13200	501344.04	3733427.89	6.63E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	1.22E-04	0.00E+00	0.00E+00	9.98E-06	2.13E-05	0.00E+00	0.00E+00
13201	501344.05	3733418.16	6.63E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	1.22E-04	0.00E+00	0.00E+00	9.99E-06	2.13E-05	0.00E+00	0.00E+00
13202	501344.06	3733408.44	6.64E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	1.22E-04	0.00E+00	0.00E+00	1.00E-05	2.13E-05	0.00E+00	0.00E+00
13203	501344.07	3733398.72	6.65E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	1.23E-04	0.00E+00	0.00E+00	1.00E-05	2.14E-05	0.00E+00	0.00E+00
13204	501344.08	3733388.99	6.67E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	1.23E-04	0.00E+00	0.00E+00	1.00E-05	2.14E-05	0.00E+00	0.00E+00
13205	501344.09	3733379.27	6.68E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	1.23E-04	0.00E+00	0.00E+00	1.01E-05	2.14E-05	0.00E+00	0.00E+00
13206	501344.1	3733369.54	6.69E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	1.23E-04	0.00E+00	0.00E+00	1.01E-05	2.15E-05	0.00E+00	0.00E+00
13207	501344.11	3733359.82	6.71E-05	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	1.24E-04	0.00E+00	0.00E+00	1.01E-05	2.15E-05	0.00E+00	0.00E+00
13208	501344.14	3733330.64	6.76E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	1.25E-04	0.00E+00	0.00E+00	1.02E-05	2.17E-05	0.00E+00	0.00E+00
13209	501344.15	3733320.92	6.77E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	1.25E-04	0.00E+00	0.00E+00	1.02E-05	2.18E-05	0.00E+00	0.00E+00
13210	501344.16	3733311.2	6.79E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	1.25E-04	0.00E+00	0.00E+00	1.02E-05	2.18E-05	0.00E+00	0.00E+00
13211	501344.17	3733301.47	6.81E-05	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	1.26E-04	0.00E+00	0.00E+00	1.03E-05	2.19E-05	0.00E+00	0.00E+00
13212	501344.19	3733282.02	6.86E-05	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	1.26E-04	0.00E+00	0.00E+00	1.03E-05	2.20E-05	0.00E+00	0.00E+00

13213	501344.2	3733272.3	6.88E-05	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	1.27E-04	0.00E+00	0.00E+00	1.04E-05	2.21E-05	0.00E+00	0.00E+00
13214	501344.21	3733262.57	6.9E-05	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	1.27E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13215	501344.22	3733252.85	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13216	501344.23	3733243.12	6.95E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13217	501344.24	3733233.4	6.98E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
13218	501344.25	3733223.68	7E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.25E-05	0.00E+00	0.00E+00
13219	501344.26	3733213.95	7.03E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.26E-05	0.00E+00	0.00E+00
13220	501344.27	3733204.23	7.06E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.27E-05	0.00E+00	0.00E+00
13221	499793.22	3733259.6	0.002692	4.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	4.96E-03	0.00E+00	0.00E+00	4.05E-04	8.65E-04	0.00E+00	0.00E+00
13222	499776.52	3733259.6	0.002267	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.18E-03	0.00E+00	0.00E+00	3.41E-04	7.28E-04	0.00E+00	0.00E+00
13223	499751.47	3733258.4	0.001798	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.31E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
13224	499797.99	3733217.85	0.002699	4.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.97E-03	0.00E+00	0.00E+00	4.06E-04	8.67E-04	0.00E+00	0.00E+00
13225	499777.71	3733219.04	0.002169	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
13226	499749.08	3733217.85	0.001654	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
13227	499789.64	3733178.49	0.002302	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03	4.24E-03	0.00E+00	0.00E+00	3.47E-04	7.39E-04	0.00E+00	0.00E+00
13228	499768.17	3733176.1	0.001824	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.36E-03	0.00E+00	0.00E+00	2.75E-04	5.86E-04	0.00E+00	0.00E+00
13229	499751.47	3733176.1	0.001558	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.35E-04	5.00E-04	0.00E+00	0.00E+00
13230	499826.61	3733099.77	0.003299	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03	6.08E-03	0.00E+00	0.00E+00	4.97E-04	1.06E-03	0.00E+00	0.00E+00
13231	499824.23	3733085.45	0.003013	5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03	5.55E-03	0.00E+00	0.00E+00	4.54E-04	9.68E-04	0.00E+00	0.00E+00
13232	499823.04	3733043.71	0.002455	4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	4.53E-03	0.00E+00	0.00E+00	3.70E-04	7.88E-04	0.00E+00	0.00E+00
13233	499823.04	3733025.82	0.002209	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.07E-03	0.00E+00	0.00E+00	3.33E-04	7.09E-04	0.00E+00	0.00E+00
13234	499801.57	3732975.72	0.001257	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.04E-04	0.00E+00	0.00E+00
13235	499788.45	3732967.37	0.001084	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.00E-03	0.00E+00	0.00E+00	1.63E-04	3.48E-04	0.00E+00	0.00E+00
13236	499761.01	3732957.83	0.000864	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
13237	499744.31	3732950.67	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
13238	499783.67	3733028.2	0.00134	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.30E-04	0.00E+00	0.00E+00
13239	499761.01	3733029.39	0.001101	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
13240	499738.35	3733029.39	0.000931	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
13241	499781.29	3733073.53	0.001567	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.03E-04	0.00E+00	0.00E+00
13242	499761.01	3733073.53	0.001283	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
13243	499732.39	3733073.53	0.001017	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
13244	499685.87	3732951.87	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
13245	499687.06	3732973.33	0.000602	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
13246	499687.06	3732999.58	0.000639	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
13247	499687.06	3733032.97	0.00069	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
13248	499688.25	3733053.25	0.000728	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
13249	499688.25	3733075.91	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
13250	499696.6	3733166.56	0.000995	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
13251	499698.99	3733179.68	0.001039	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.56E-04	3.34E-04	0.00E+00	0.00E+00
13252	499697.8	3733220.24	0.001114	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
13253	499697.8	3733235.74	0.001145	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
13254	499697.8	3733258.4	0.001188	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
13255	499639.35	3733264.37	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
13256	499614.3	3733261.98	0.000724	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
13257	499638.16	3733240.51	0.000797	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
13258	499613.11	3733240.51	0.000697	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
13259	499635.77	3733214.27	0.000753	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
13260	499636.97	3733189.22	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
13261	499614.3	3733184.45	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
13262	499613.11	3733213.08	0.000668	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
13263	499617.88	3733085.45	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
13264	499616.69	3733071.14	0.000531	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.79E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
13265	499615.5	3733046.09	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
13266	499614.3	3733030.59	0.00049	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
13267	499614.3	3733007.92	0.00047	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
13268	499620.27	3732978.11	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
13269	499622.65	3732942.32	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
13270	499607.15	3732928.01	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
13271	499573.75	3732942.32	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
13272	499573.75	3732929.2	0.000358	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.59E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
13273	499539.16	3732926.82	0.00032	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
13274	499541.54	3732941.13	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
13275	499511.73	3732941.13	0.000301	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
13276	499487.87	3732942.32	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
13277	499491.45	3732928.01	0.00028	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
13278	499511.73	3732928.01	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.46E-05	9.50E-05	0.00E+00	0.00E+00
13279	499436.58	3732935.17	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.84E-05	0.00E+00	0.00E+00
13280	499436.58	3733001.96	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
13281	499436.58	3733089.03	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.37E-05	9.31E-05	0.00E+00	0.00E+00
13282	499526.04	3733091.42	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
13283	499523.65	3733141.51	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
13284	499435.39	3733148.67	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
13285	499437.77	3733233.36	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
13286	499483.1	3733258.4	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
13287	499506.95	3733257.21	0.000447	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.23E-04	0.00E+00	0.00E+00	6.73E-05	1.43E-04	0.00E+00	0.00E+00
13288	499530.81	3733257.21	0.000491	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.04E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
13289	499555.86	3733256.02	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
13290	499638.16	3733158.21	0.000691	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
13291	499616.69	3733158.21	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
13292	499632.19	3732882.69	0.000403	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
13293	499658.44	3732889.84	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
13294	499559.44	3732891.03	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
13295	499473.56	3732891.03	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
13296	499512.92	3732888.65	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
13297	499490.26	3732864.79	0.000257	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
13298	499584.48	3732858.83	0.000332	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
13299	499559.44	3732846.9	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
13300	499535.58	3732836.17	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
13301	499509.34	3732825.43	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
13302	499484.29	3732813.51	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.65E-05	0.00E+00	0.00E+00
13303	499441.35	3732807.54	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
13304	499411.53	3732812.31	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
13305	499411.53	3732789.65	0.000197	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
13306	499428.23	3732793.23	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00

					10090	10090
			10083	500234.10	3733368.40	
	Max Yr	**2**	2.76E-02	0.00E+00	2.76E-02	4.81E-03
	Row	**19**	UnMitigated	T2	T2L3	T4
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**0%**	**100%**	**17%**
			Year 2	Year 2	Year 2	Year 2
1	500234.3	3733193	3.12E-02	0.00E+00	3.12E-02	5.43E-03
2	500294.3	3733193	1.75E-02	0.00E+00	1.75E-02	3.06E-03
3	500484.3	3733193	5.44E-03	0.00E+00	5.44E-03	9.48E-04
4	500514.3	3733193	4.74E-03	0.00E+00	4.74E-03	8.26E-04
5	500544.3	3733193	4.17E-03	0.00E+00	4.17E-03	7.26E-04
6	500574.3	3733193	3.70E-03	0.00E+00	3.70E-03	6.44E-04
7	500604.3	3733193	3.30E-03	0.00E+00	3.30E-03	5.75E-04
8	500634.3	3733193	2.97E-03	0.00E+00	2.97E-03	5.17E-04
9	500664.3	3733193	2.69E-03	0.00E+00	2.69E-03	4.68E-04
10	500694.3	3733193	2.45E-03	0.00E+00	2.45E-03	4.26E-04
11	500734.3	3733193	2.17E-03	0.00E+00	2.17E-03	3.79E-04
12	500774.3	3733193	1.95E-03	0.00E+00	1.95E-03	3.39E-04
13	500814.3	3733193	1.76E-03	0.00E+00	1.76E-03	3.06E-04
14	500854.3	3733193	1.60E-03	0.00E+00	1.60E-03	2.78E-04
15	500894.3	3733193	1.42E-03	0.00E+00	1.42E-03	2.47E-04
16	500934.3	3733193	1.30E-03	0.00E+00	1.30E-03	2.27E-04
17	500974.3	3733193	1.20E-03	0.00E+00	1.20E-03	2.10E-04
18	501054.3	3733193	1.03E-03	0.00E+00	1.03E-03	1.80E-04
19	501094.3	3733193	9.61E-04	0.00E+00	9.61E-04	1.67E-04
20	501130	3733193	9.05E-04	0.00E+00	9.05E-04	1.58E-04
21	501165.7	3733193	8.54E-04	0.00E+00	8.54E-04	1.49E-04
22	501201.4	3733193	8.05E-04	0.00E+00	8.05E-04	1.40E-04
23	501272.9	3733193	7.24E-04	0.00E+00	7.24E-04	1.26E-04
24	501308.6	3733193	6.86E-04	0.00E+00	6.86E-04	1.20E-04
25	501344.3	3733193	6.53E-04	0.00E+00	6.53E-04	1.14E-04
26	500232.2	3733179	3.13E-02	0.00E+00	3.13E-02	5.45E-03
27	500252.2	3733179	2.53E-02	0.00E+00	2.53E-02	4.41E-03
28	500343.9	3733135	1.24E-02	0.00E+00	1.24E-02	2.16E-03
29	500366	3733141	1.08E-02	0.00E+00	1.08E-02	1.88E-03
30	500362.9	3733128	1.11E-02	0.00E+00	1.11E-02	1.93E-03
31	500385	3733135	9.69E-03	0.00E+00	9.69E-03	1.69E-03
32	500387.1	3733147	9.50E-03	0.00E+00	9.50E-03	1.66E-03
33	500381.9	3733122	9.94E-03	0.00E+00	9.94E-03	1.73E-03
34	500413.4	3733125	8.34E-03	0.00E+00	8.34E-03	1.45E-03
35	500415.4	3733137	8.17E-03	0.00E+00	8.17E-03	1.42E-03
36	500417.4	3733149	8.00E-03	0.00E+00	8.00E-03	1.39E-03
37	500419.3	3733161	7.84E-03	0.00E+00	7.84E-03	1.37E-03
38	500410.3	3733113	8.55E-03	0.00E+00	8.55E-03	1.49E-03
39	500441.9	3733116	7.24E-03	0.00E+00	7.24E-03	1.26E-03
40	500444	3733128	7.09E-03	0.00E+00	7.09E-03	1.24E-03

41	500446	3733141	6.94E-03	0.00E+00	6.94E-03	1.21E-03
42	500448.1	3733154	6.78E-03	0.00E+00	6.78E-03	1.18E-03
43	500450.2	3733166	6.63E-03	0.00E+00	6.63E-03	1.15E-03
44	500452.2	3733179	6.47E-03	0.00E+00	6.47E-03	1.13E-03
45	500438.8	3733103	7.43E-03	0.00E+00	7.43E-03	1.30E-03
46	500470.3	3733106	6.36E-03	0.00E+00	6.36E-03	1.11E-03
47	500472.3	3733118	6.23E-03	0.00E+00	6.23E-03	1.09E-03
48	500474.3	3733131	6.10E-03	0.00E+00	6.10E-03	1.06E-03
49	500476.3	3733143	5.97E-03	0.00E+00	5.97E-03	1.04E-03
50	500478.3	3733155	5.83E-03	0.00E+00	5.83E-03	1.02E-03
51	500480.3	3733167	5.70E-03	0.00E+00	5.70E-03	9.94E-04
52	500482.3	3733180	5.58E-03	0.00E+00	5.58E-03	9.72E-04
53	500467.2	3733094	6.52E-03	0.00E+00	6.52E-03	1.14E-03
54	500498.8	3733097	5.63E-03	0.00E+00	5.63E-03	9.80E-04
55	500500.9	3733109	5.51E-03	0.00E+00	5.51E-03	9.59E-04
56	500502.9	3733122	5.39E-03	0.00E+00	5.39E-03	9.39E-04
57	500505	3733135	5.27E-03	0.00E+00	5.27E-03	9.18E-04
58	500507.1	3733147	5.15E-03	0.00E+00	5.15E-03	8.97E-04
59	500509.1	3733160	5.03E-03	0.00E+00	5.03E-03	8.77E-04
60	500511.2	3733173	4.92E-03	0.00E+00	4.92E-03	8.57E-04
61	500495.7	3733084	5.77E-03	0.00E+00	5.77E-03	1.01E-03
62	500527.3	3733087	5.02E-03	0.00E+00	5.02E-03	8.74E-04
63	500529.4	3733100	4.91E-03	0.00E+00	4.91E-03	8.55E-04
64	500531.5	3733113	4.80E-03	0.00E+00	4.80E-03	8.36E-04
65	500533.7	3733127	4.69E-03	0.00E+00	4.69E-03	8.17E-04
66	500535.8	3733140	4.58E-03	0.00E+00	4.58E-03	7.98E-04
67	500537.9	3733153	4.48E-03	0.00E+00	4.48E-03	7.80E-04
68	500540	3733166	4.37E-03	0.00E+00	4.37E-03	7.62E-04
69	500542.2	3733179	4.27E-03	0.00E+00	4.27E-03	7.45E-04
70	500524.1	3733075	5.15E-03	0.00E+00	5.15E-03	8.97E-04
71	500555.7	3733078	4.50E-03	0.00E+00	4.50E-03	7.85E-04
72	500557.8	3733090	4.41E-03	0.00E+00	4.41E-03	7.68E-04
73	500559.8	3733103	4.32E-03	0.00E+00	4.32E-03	7.52E-04
74	500561.9	3733116	4.22E-03	0.00E+00	4.22E-03	7.36E-04
75	500564	3733128	4.13E-03	0.00E+00	4.13E-03	7.20E-04
76	500566	3733141	4.04E-03	0.00E+00	4.04E-03	7.04E-04
77	500568.1	3733154	3.95E-03	0.00E+00	3.95E-03	6.89E-04
78	500570.2	3733166	3.87E-03	0.00E+00	3.87E-03	6.74E-04
79	500572.2	3733179	3.78E-03	0.00E+00	3.78E-03	6.59E-04
80	500552.6	3733065	4.62E-03	0.00E+00	4.62E-03	8.05E-04
81	500584.2	3733068	4.06E-03	0.00E+00	4.06E-03	7.08E-04
82	500586.3	3733081	3.98E-03	0.00E+00	3.98E-03	6.93E-04
83	500588.4	3733094	3.89E-03	0.00E+00	3.89E-03	6.78E-04
84	500590.5	3733107	3.81E-03	0.00E+00	3.81E-03	6.63E-04
85	500592.6	3733120	3.73E-03	0.00E+00	3.73E-03	6.49E-04
86	500594.8	3733133	3.64E-03	0.00E+00	3.64E-03	6.35E-04
87	500596.9	3733146	3.57E-03	0.00E+00	3.57E-03	6.21E-04

88	500599	3733159	3.49E-03	0.00E+00	3.49E-03	6.08E-04
89	500601.1	3733172	3.41E-03	0.00E+00	3.41E-03	5.95E-04
90	500581	3733056	4.17E-03	0.00E+00	4.17E-03	7.26E-04
91	500612.6	3733059	3.69E-03	0.00E+00	3.69E-03	6.43E-04
92	500614.7	3733071	3.62E-03	0.00E+00	3.62E-03	6.30E-04
93	500616.7	3733084	3.54E-03	0.00E+00	3.54E-03	6.17E-04
94	500618.8	3733097	3.47E-03	0.00E+00	3.47E-03	6.04E-04
95	500620.9	3733109	3.40E-03	0.00E+00	3.40E-03	5.92E-04
96	500622.9	3733122	3.33E-03	0.00E+00	3.33E-03	5.80E-04
97	500625	3733135	3.26E-03	0.00E+00	3.26E-03	5.68E-04
98	500627.1	3733147	3.19E-03	0.00E+00	3.19E-03	5.56E-04
99	500629.1	3733160	3.13E-03	0.00E+00	3.13E-03	5.45E-04
100	500631.2	3733173	3.06E-03	0.00E+00	3.06E-03	5.34E-04
101	500609.5	3733046	3.78E-03	0.00E+00	3.78E-03	6.58E-04
102	500641.1	3733049	3.37E-03	0.00E+00	3.37E-03	5.87E-04
103	500643.2	3733062	3.30E-03	0.00E+00	3.30E-03	5.75E-04
104	500645.3	3733075	3.23E-03	0.00E+00	3.23E-03	5.63E-04
105	500647.4	3733088	3.17E-03	0.00E+00	3.17E-03	5.52E-04
106	500649.5	3733101	3.10E-03	0.00E+00	3.10E-03	5.40E-04
107	500651.6	3733114	3.04E-03	0.00E+00	3.04E-03	5.29E-04
108	500653.7	3733127	2.97E-03	0.00E+00	2.97E-03	5.18E-04
109	500655.8	3733140	2.91E-03	0.00E+00	2.91E-03	5.08E-04
110	500658	3733153	2.86E-03	0.00E+00	2.86E-03	4.98E-04
111	500660.1	3733166	2.80E-03	0.00E+00	2.80E-03	4.88E-04
112	500662.2	3733179	2.74E-03	0.00E+00	2.74E-03	4.78E-04
113	500637.9	3733036	3.45E-03	0.00E+00	3.45E-03	6.01E-04
114	500669.5	3733040	3.09E-03	0.00E+00	3.09E-03	5.38E-04
115	500671.6	3733052	3.03E-03	0.00E+00	3.03E-03	5.27E-04
116	500673.6	3733065	2.97E-03	0.00E+00	2.97E-03	5.17E-04
117	500675.7	3733078	2.91E-03	0.00E+00	2.91E-03	5.07E-04
118	500677.8	3733090	2.85E-03	0.00E+00	2.85E-03	4.97E-04
119	500679.8	3733103	2.80E-03	0.00E+00	2.80E-03	4.88E-04
120	500681.9	3733116	2.74E-03	0.00E+00	2.74E-03	4.78E-04
121	500684	3733128	2.69E-03	0.00E+00	2.69E-03	4.69E-04
122	500686	3733141	2.64E-03	0.00E+00	2.64E-03	4.60E-04
123	500688.1	3733154	2.59E-03	0.00E+00	2.59E-03	4.51E-04
124	500690.2	3733166	2.54E-03	0.00E+00	2.54E-03	4.43E-04
125	500692.2	3733179	2.49E-03	0.00E+00	2.49E-03	4.35E-04
126	500666.4	3733027	3.16E-03	0.00E+00	3.16E-03	5.50E-04
127	500707.4	3733027	2.77E-03	0.00E+00	2.77E-03	4.82E-04
128	500709.5	3733040	2.71E-03	0.00E+00	2.71E-03	4.73E-04
129	500711.6	3733052	2.66E-03	0.00E+00	2.66E-03	4.64E-04
130	500713.6	3733065	2.61E-03	0.00E+00	2.61E-03	4.55E-04
131	500715.7	3733078	2.56E-03	0.00E+00	2.56E-03	4.47E-04
132	500717.8	3733090	2.52E-03	0.00E+00	2.52E-03	4.38E-04
133	500719.8	3733103	2.47E-03	0.00E+00	2.47E-03	4.30E-04
134	500721.9	3733116	2.42E-03	0.00E+00	2.42E-03	4.22E-04

135	500724	3733128	2.38E-03	0.00E+00	2.38E-03	4.14E-04
136	500726	3733141	2.34E-03	0.00E+00	2.34E-03	4.07E-04
137	500728.1	3733154	2.29E-03	0.00E+00	2.29E-03	4.00E-04
138	500730.2	3733166	2.25E-03	0.00E+00	2.25E-03	3.93E-04
139	500732.2	3733179	2.21E-03	0.00E+00	2.21E-03	3.86E-04
140	500704.3	3733014	2.83E-03	0.00E+00	2.83E-03	4.93E-04
141	500745.4	3733014	2.49E-03	0.00E+00	2.49E-03	4.34E-04
142	500747.4	3733027	2.45E-03	0.00E+00	2.45E-03	4.27E-04
143	500749.5	3733040	2.40E-03	0.00E+00	2.40E-03	4.19E-04
144	500751.6	3733052	2.36E-03	0.00E+00	2.36E-03	4.11E-04
145	500753.6	3733065	2.32E-03	0.00E+00	2.32E-03	4.04E-04
146	500755.7	3733078	2.28E-03	0.00E+00	2.28E-03	3.97E-04
147	500757.8	3733090	2.24E-03	0.00E+00	2.24E-03	3.90E-04
148	500759.8	3733103	2.20E-03	0.00E+00	2.20E-03	3.83E-04
149	500761.9	3733116	2.16E-03	0.00E+00	2.16E-03	3.76E-04
150	500764	3733128	2.12E-03	0.00E+00	2.12E-03	3.69E-04
151	500766	3733141	2.08E-03	0.00E+00	2.08E-03	3.63E-04
152	500768.1	3733154	2.05E-03	0.00E+00	2.05E-03	3.57E-04
153	500770.2	3733166	2.01E-03	0.00E+00	2.01E-03	3.51E-04
154	500772.2	3733179	1.98E-03	0.00E+00	1.98E-03	3.45E-04
155	500742.2	3733002	2.55E-03	0.00E+00	2.55E-03	4.44E-04
156	500783.3	3733002	2.26E-03	0.00E+00	2.26E-03	3.94E-04
157	500785.4	3733014	2.22E-03	0.00E+00	2.22E-03	3.87E-04
158	500787.4	3733027	2.18E-03	0.00E+00	2.18E-03	3.81E-04
159	500789.5	3733040	2.15E-03	0.00E+00	2.15E-03	3.74E-04
160	500791.6	3733052	2.11E-03	0.00E+00	2.11E-03	3.68E-04
161	500793.6	3733065	2.07E-03	0.00E+00	2.07E-03	3.61E-04
162	500795.7	3733078	2.04E-03	0.00E+00	2.04E-03	3.55E-04
163	500797.8	3733090	2.00E-03	0.00E+00	2.00E-03	3.49E-04
164	500799.8	3733103	1.97E-03	0.00E+00	1.97E-03	3.43E-04
165	500801.9	3733116	1.94E-03	0.00E+00	1.94E-03	3.37E-04
166	500804	3733128	1.90E-03	0.00E+00	1.90E-03	3.32E-04
167	500806	3733141	1.87E-03	0.00E+00	1.87E-03	3.26E-04
168	500808.1	3733154	1.84E-03	0.00E+00	1.84E-03	3.21E-04
169	500810.2	3733166	1.81E-03	0.00E+00	1.81E-03	3.16E-04
170	500812.2	3733179	1.79E-03	0.00E+00	1.79E-03	3.11E-04
171	500780.2	3732989	2.31E-03	0.00E+00	2.31E-03	4.02E-04
172	500821.2	3732989	2.06E-03	0.00E+00	2.06E-03	3.60E-04
173	500823.3	3733002	2.03E-03	0.00E+00	2.03E-03	3.54E-04
174	500825.4	3733014	2.00E-03	0.00E+00	2.00E-03	3.48E-04
175	500827.4	3733027	1.96E-03	0.00E+00	1.96E-03	3.42E-04
176	500829.5	3733040	1.93E-03	0.00E+00	1.93E-03	3.36E-04
177	500831.6	3733052	1.85E-03	0.00E+00	1.85E-03	3.22E-04
178	500833.6	3733065	1.82E-03	0.00E+00	1.82E-03	3.17E-04
179	500835.7	3733078	1.79E-03	0.00E+00	1.79E-03	3.11E-04
180	500837.8	3733090	1.76E-03	0.00E+00	1.76E-03	3.06E-04
181	500839.8	3733103	1.73E-03	0.00E+00	1.73E-03	3.01E-04

182	500841.9	3733116	1.70E-03	0.00E+00	1.70E-03	2.97E-04
183	500844	3733128	1.68E-03	0.00E+00	1.68E-03	2.92E-04
184	500846	3733141	1.65E-03	0.00E+00	1.65E-03	2.87E-04
185	500848.1	3733154	1.62E-03	0.00E+00	1.62E-03	2.83E-04
186	500850.2	3733166	1.60E-03	0.00E+00	1.60E-03	2.79E-04
187	500852.2	3733179	1.58E-03	0.00E+00	1.58E-03	2.76E-04
188	500818.1	3732976	2.10E-03	0.00E+00	2.10E-03	3.67E-04
189	500859.2	3732976	1.83E-03	0.00E+00	1.83E-03	3.20E-04
190	500861.3	3732989	1.80E-03	0.00E+00	1.80E-03	3.14E-04
191	500863.5	3733002	1.77E-03	0.00E+00	1.77E-03	3.09E-04
192	500865.6	3733016	1.74E-03	0.00E+00	1.74E-03	3.04E-04
193	500867.7	3733029	1.72E-03	0.00E+00	1.72E-03	2.99E-04
194	500869.8	3733042	1.69E-03	0.00E+00	1.69E-03	2.94E-04
195	500872	3733055	1.66E-03	0.00E+00	1.66E-03	2.89E-04
196	500874.1	3733068	1.63E-03	0.00E+00	1.63E-03	2.85E-04
197	500876.2	3733081	1.61E-03	0.00E+00	1.61E-03	2.80E-04
198	500878.3	3733094	1.58E-03	0.00E+00	1.58E-03	2.76E-04
199	500880.5	3733107	1.56E-03	0.00E+00	1.56E-03	2.72E-04
200	500882.6	3733120	1.54E-03	0.00E+00	1.54E-03	2.68E-04
201	500884.7	3733133	1.51E-03	0.00E+00	1.51E-03	2.64E-04
202	500886.8	3733146	1.49E-03	0.00E+00	1.49E-03	2.60E-04
203	500889	3733159	1.47E-03	0.00E+00	1.47E-03	2.56E-04
204	500891.1	3733172	1.45E-03	0.00E+00	1.45E-03	2.53E-04
205	500899.3	3732977	1.66E-03	0.00E+00	1.66E-03	2.90E-04
206	500901.4	3732990	1.64E-03	0.00E+00	1.64E-03	2.85E-04
207	500903.5	3733003	1.61E-03	0.00E+00	1.61E-03	2.80E-04
208	500905.6	3733016	1.58E-03	0.00E+00	1.58E-03	2.76E-04
209	500907.8	3733029	1.56E-03	0.00E+00	1.56E-03	2.72E-04
210	500909.9	3733042	1.54E-03	0.00E+00	1.54E-03	2.68E-04
211	500912	3733055	1.51E-03	0.00E+00	1.51E-03	2.64E-04
212	500914.1	3733068	1.49E-03	0.00E+00	1.49E-03	2.60E-04
213	500916.2	3733081	1.47E-03	0.00E+00	1.47E-03	2.56E-04
214	500918.4	3733094	1.45E-03	0.00E+00	1.45E-03	2.52E-04
215	500920.5	3733107	1.42E-03	0.00E+00	1.42E-03	2.48E-04
216	500922.6	3733120	1.40E-03	0.00E+00	1.40E-03	2.45E-04
217	500924.7	3733133	1.38E-03	0.00E+00	1.38E-03	2.41E-04
218	500926.9	3733146	1.37E-03	0.00E+00	1.37E-03	2.38E-04
219	500929	3733159	1.35E-03	0.00E+00	1.35E-03	2.35E-04
220	500931.1	3733172	1.33E-03	0.00E+00	1.33E-03	2.32E-04
221	500939.3	3732977	1.51E-03	0.00E+00	1.51E-03	2.64E-04
222	500941.4	3732990	1.49E-03	0.00E+00	1.49E-03	2.60E-04
223	500943.6	3733003	1.47E-03	0.00E+00	1.47E-03	2.56E-04
224	500945.7	3733016	1.45E-03	0.00E+00	1.45E-03	2.52E-04
225	500947.8	3733029	1.43E-03	0.00E+00	1.43E-03	2.48E-04
226	500949.9	3733042	1.40E-03	0.00E+00	1.40E-03	2.45E-04
227	500952	3733055	1.38E-03	0.00E+00	1.38E-03	2.41E-04
228	500954.2	3733068	1.36E-03	0.00E+00	1.36E-03	2.38E-04

229	500956.3	3733081	1.35E-03	0.00E+00	1.35E-03	2.34E-04
230	500958.4	3733094	1.33E-03	0.00E+00	1.33E-03	2.31E-04
231	500960.5	3733107	1.31E-03	0.00E+00	1.31E-03	2.28E-04
232	500962.6	3733120	1.29E-03	0.00E+00	1.29E-03	2.25E-04
233	500964.7	3733133	1.27E-03	0.00E+00	1.27E-03	2.22E-04
234	500966.9	3733146	1.26E-03	0.00E+00	1.26E-03	2.19E-04
235	500969	3733159	1.24E-03	0.00E+00	1.24E-03	2.16E-04
236	500971.1	3733172	1.23E-03	0.00E+00	1.23E-03	2.14E-04
237	500979.4	3732977	1.39E-03	0.00E+00	1.39E-03	2.41E-04
238	500981.5	3732990	1.37E-03	0.00E+00	1.37E-03	2.38E-04
239	500983.6	3733003	1.35E-03	0.00E+00	1.35E-03	2.34E-04
240	500985.7	3733016	1.33E-03	0.00E+00	1.33E-03	2.31E-04
241	500987.8	3733029	1.31E-03	0.00E+00	1.31E-03	2.28E-04
242	500989.9	3733042	1.29E-03	0.00E+00	1.29E-03	2.25E-04
243	500992.1	3733055	1.27E-03	0.00E+00	1.27E-03	2.21E-04
244	500994.2	3733068	1.25E-03	0.00E+00	1.25E-03	2.18E-04
245	500996.3	3733081	1.24E-03	0.00E+00	1.24E-03	2.15E-04
246	500998.4	3733094	1.22E-03	0.00E+00	1.22E-03	2.12E-04
247	501000.5	3733107	1.20E-03	0.00E+00	1.20E-03	2.10E-04
248	501002.6	3733120	1.19E-03	0.00E+00	1.19E-03	2.07E-04
249	500969.9	3732925	1.47E-03	0.00E+00	1.47E-03	2.56E-04
250	501021.5	3732991	1.25E-03	0.00E+00	1.25E-03	2.18E-04
251	501023.6	3733004	1.23E-03	0.00E+00	1.23E-03	2.15E-04
252	501025.7	3733016	1.22E-03	0.00E+00	1.22E-03	2.12E-04
253	501027.9	3733029	1.20E-03	0.00E+00	1.20E-03	2.09E-04
254	501030	3733042	1.18E-03	0.00E+00	1.18E-03	2.06E-04
255	501032.1	3733055	1.17E-03	0.00E+00	1.17E-03	2.04E-04
256	501036.3	3733081	1.14E-03	0.00E+00	1.14E-03	1.99E-04
257	501038.4	3733094	1.13E-03	0.00E+00	1.13E-03	1.96E-04
258	501040.5	3733107	1.11E-03	0.00E+00	1.11E-03	1.94E-04
259	501042.7	3733120	1.10E-03	0.00E+00	1.10E-03	1.91E-04
260	501044.8	3733133	1.08E-03	0.00E+00	1.08E-03	1.89E-04
261	501046.9	3733146	1.07E-03	0.00E+00	1.07E-03	1.87E-04
262	501049	3733159	1.06E-03	0.00E+00	1.06E-03	1.85E-04
263	501048.9	3732913	1.25E-03	0.00E+00	1.25E-03	2.18E-04
264	501051	3732926	1.23E-03	0.00E+00	1.23E-03	2.15E-04
265	501053.1	3732939	1.22E-03	0.00E+00	1.22E-03	2.12E-04
266	501057.3	3732965	1.19E-03	0.00E+00	1.19E-03	2.07E-04
267	501059.4	3732978	1.17E-03	0.00E+00	1.17E-03	2.04E-04
268	501061.6	3732991	1.15E-03	0.00E+00	1.15E-03	2.01E-04
269	501072.1	3733056	1.08E-03	0.00E+00	1.08E-03	1.89E-04
270	501076.3	3733082	1.06E-03	0.00E+00	1.06E-03	1.84E-04
271	501078.4	3733095	1.04E-03	0.00E+00	1.04E-03	1.82E-04
272	501080.6	3733107	1.03E-03	0.00E+00	1.03E-03	1.80E-04
273	501084.8	3733133	1.01E-03	0.00E+00	1.01E-03	1.76E-04
274	501086.9	3733146	9.98E-04	0.00E+00	9.98E-04	1.74E-04
275	501089	3733159	9.87E-04	0.00E+00	9.87E-04	1.72E-04

276	501045.7	3732900	1.27E-03	0.00E+00	1.27E-03	2.21E-04
277	501082.7	3732902	1.18E-03	0.00E+00	1.18E-03	2.06E-04
278	501084.8	3732914	1.16E-03	0.00E+00	1.16E-03	2.03E-04
279	501086.9	3732927	1.15E-03	0.00E+00	1.15E-03	2.00E-04
280	501093.2	3732966	1.11E-03	0.00E+00	1.11E-03	1.93E-04
281	501095.3	3732979	1.09E-03	0.00E+00	1.09E-03	1.90E-04
282	501097.4	3732992	1.08E-03	0.00E+00	1.08E-03	1.88E-04
283	501101.6	3733018	1.05E-03	0.00E+00	1.05E-03	1.83E-04
284	501103.7	3733031	1.04E-03	0.00E+00	1.04E-03	1.81E-04
285	501105.8	3733043	1.03E-03	0.00E+00	1.03E-03	1.79E-04
286	501107.9	3733056	1.02E-03	0.00E+00	1.02E-03	1.77E-04
287	501112.1	3733082	9.92E-04	0.00E+00	9.92E-04	1.73E-04
288	501114.2	3733095	9.81E-04	0.00E+00	9.81E-04	1.71E-04
289	501116.3	3733108	9.70E-04	0.00E+00	9.70E-04	1.69E-04
290	501120.5	3733134	9.49E-04	0.00E+00	9.49E-04	1.65E-04
291	501122.6	3733147	9.39E-04	0.00E+00	9.39E-04	1.64E-04
292	501124.7	3733160	9.29E-04	0.00E+00	9.29E-04	1.62E-04
293	501079.6	3732889	1.20E-03	0.00E+00	1.20E-03	2.09E-04
294	501116.6	3732890	1.11E-03	0.00E+00	1.11E-03	1.94E-04
295	501118.7	3732903	1.10E-03	0.00E+00	1.10E-03	1.92E-04
296	501120.8	3732916	1.09E-03	0.00E+00	1.09E-03	1.89E-04
297	501122.9	3732929	1.07E-03	0.00E+00	1.07E-03	1.87E-04
298	501129.1	3732967	1.03E-03	0.00E+00	1.03E-03	1.80E-04
299	501131.2	3732980	1.02E-03	0.00E+00	1.02E-03	1.78E-04
300	501133.3	3732993	1.01E-03	0.00E+00	1.01E-03	1.76E-04
301	501137.5	3733019	9.85E-04	0.00E+00	9.85E-04	1.72E-04
302	501139.6	3733031	9.74E-04	0.00E+00	9.74E-04	1.70E-04
303	501141.7	3733044	9.62E-04	0.00E+00	9.62E-04	1.68E-04
304	501143.8	3733057	9.51E-04	0.00E+00	9.51E-04	1.66E-04
305	501148	3733083	9.30E-04	0.00E+00	9.30E-04	1.62E-04
306	501150	3733096	9.19E-04	0.00E+00	9.19E-04	1.60E-04
307	501152.1	3733108	9.11E-04	0.00E+00	9.11E-04	1.59E-04
308	501156.3	3733134	8.94E-04	0.00E+00	8.94E-04	1.56E-04
309	501158.4	3733147	8.85E-04	0.00E+00	8.85E-04	1.54E-04
310	501160.5	3733160	8.76E-04	0.00E+00	8.76E-04	1.53E-04
311	501162.6	3733173	8.67E-04	0.00E+00	8.67E-04	1.51E-04
312	501113.5	3732877	1.13E-03	0.00E+00	1.13E-03	1.97E-04
313	501150.5	3732879	1.05E-03	0.00E+00	1.05E-03	1.83E-04
314	501152.6	3732892	1.04E-03	0.00E+00	1.04E-03	1.81E-04
315	501154.7	3732905	1.02E-03	0.00E+00	1.02E-03	1.78E-04
316	501156.9	3732918	1.01E-03	0.00E+00	1.01E-03	1.76E-04
317	501159	3732931	9.99E-04	0.00E+00	9.99E-04	1.74E-04
318	501165.4	3732970	9.64E-04	0.00E+00	9.64E-04	1.68E-04
319	501167.5	3732983	9.52E-04	0.00E+00	9.52E-04	1.66E-04
320	501169.6	3732996	9.42E-04	0.00E+00	9.42E-04	1.64E-04
321	501173.8	3733022	9.20E-04	0.00E+00	9.20E-04	1.60E-04
322	501176	3733035	9.10E-04	0.00E+00	9.10E-04	1.59E-04

323	501178.1	3733048	9.00E-04	0.00E+00	9.00E-04	1.57E-04
324	501182.3	3733074	8.81E-04	0.00E+00	8.81E-04	1.53E-04
325	501184.5	3733088	8.72E-04	0.00E+00	8.72E-04	1.52E-04
326	501186.6	3733101	8.63E-04	0.00E+00	8.63E-04	1.50E-04
327	501188.7	3733114	8.54E-04	0.00E+00	8.54E-04	1.49E-04
328	501197.2	3733166	8.20E-04	0.00E+00	8.20E-04	1.43E-04
329	501147.3	3732866	1.07E-03	0.00E+00	1.07E-03	1.86E-04
330	501184.4	3732868	9.94E-04	0.00E+00	9.94E-04	1.73E-04
331	501186.5	3732881	9.82E-04	0.00E+00	9.82E-04	1.71E-04
332	501188.6	3732894	9.71E-04	0.00E+00	9.71E-04	1.69E-04
333	501190.7	3732906	9.60E-04	0.00E+00	9.60E-04	1.67E-04
334	501192.8	3732919	9.49E-04	0.00E+00	9.49E-04	1.65E-04
335	501194.9	3732932	9.38E-04	0.00E+00	9.38E-04	1.63E-04
336	501201.3	3732971	9.06E-04	0.00E+00	9.06E-04	1.58E-04
337	501203.4	3732984	8.96E-04	0.00E+00	8.96E-04	1.56E-04
338	501205.5	3732997	8.86E-04	0.00E+00	8.86E-04	1.54E-04
339	501209.7	3733023	8.67E-04	0.00E+00	8.67E-04	1.51E-04
340	501211.8	3733036	8.58E-04	0.00E+00	8.58E-04	1.50E-04
341	501213.9	3733049	8.49E-04	0.00E+00	8.49E-04	1.48E-04
342	501222.4	3733101	8.15E-04	0.00E+00	8.15E-04	1.42E-04
343	501224.5	3733114	8.07E-04	0.00E+00	8.07E-04	1.41E-04
344	501226.6	3733127	7.99E-04	0.00E+00	7.99E-04	1.39E-04
345	501228.7	3733140	7.92E-04	0.00E+00	7.92E-04	1.38E-04
346	501230.8	3733153	7.84E-04	0.00E+00	7.84E-04	1.37E-04
347	501232.9	3733166	7.77E-04	0.00E+00	7.77E-04	1.35E-04
348	501235	3733179	7.70E-04	0.00E+00	7.70E-04	1.34E-04
349	501181.2	3732855	1.01E-03	0.00E+00	1.01E-03	1.76E-04
350	501218.2	3732856	9.44E-04	0.00E+00	9.44E-04	1.65E-04
351	501220.3	3732869	9.34E-04	0.00E+00	9.34E-04	1.63E-04
352	501222.4	3732882	9.23E-04	0.00E+00	9.23E-04	1.61E-04
353	501224.5	3732895	9.13E-04	0.00E+00	9.13E-04	1.59E-04
354	501226.6	3732908	9.02E-04	0.00E+00	9.02E-04	1.57E-04
355	501228.7	3732921	8.92E-04	0.00E+00	8.92E-04	1.56E-04
356	501230.8	3732934	8.83E-04	0.00E+00	8.83E-04	1.54E-04
357	501239.2	3732985	8.45E-04	0.00E+00	8.45E-04	1.47E-04
358	501241.3	3732998	8.37E-04	0.00E+00	8.37E-04	1.46E-04
359	501243.4	3733011	8.28E-04	0.00E+00	8.28E-04	1.44E-04
360	501245.5	3733024	8.19E-04	0.00E+00	8.19E-04	1.43E-04
361	501247.6	3733037	8.11E-04	0.00E+00	8.11E-04	1.41E-04
362	501249.7	3733050	8.03E-04	0.00E+00	8.03E-04	1.40E-04
363	501251.8	3733063	7.95E-04	0.00E+00	7.95E-04	1.39E-04
364	501258.1	3733101	7.72E-04	0.00E+00	7.72E-04	1.35E-04
365	501260.3	3733114	7.65E-04	0.00E+00	7.65E-04	1.33E-04
366	501266.6	3733153	7.44E-04	0.00E+00	7.44E-04	1.30E-04
367	501268.7	3733166	7.37E-04	0.00E+00	7.37E-04	1.28E-04
368	501270.8	3733179	7.31E-04	0.00E+00	7.31E-04	1.27E-04
369	501215.1	3732843	9.57E-04	0.00E+00	9.57E-04	1.67E-04

370	501252.1	3732845	8.98E-04	0.00E+00	8.98E-04	1.57E-04
371	501254.2	3732858	8.89E-04	0.00E+00	8.89E-04	1.55E-04
372	501256.3	3732871	8.79E-04	0.00E+00	8.79E-04	1.53E-04
373	501258.4	3732883	8.69E-04	0.00E+00	8.69E-04	1.51E-04
374	501260.5	3732896	8.60E-04	0.00E+00	8.60E-04	1.50E-04
375	501262.6	3732909	8.51E-04	0.00E+00	8.51E-04	1.48E-04
376	501264.6	3732922	8.42E-04	0.00E+00	8.42E-04	1.47E-04
377	501266.7	3732935	8.33E-04	0.00E+00	8.33E-04	1.45E-04
378	501270.9	3732961	8.16E-04	0.00E+00	8.16E-04	1.42E-04
379	501273	3732973	8.07E-04	0.00E+00	8.07E-04	1.41E-04
380	501275.1	3732986	7.99E-04	0.00E+00	7.99E-04	1.39E-04
381	501277.2	3732999	7.91E-04	0.00E+00	7.91E-04	1.38E-04
382	501291.8	3733089	7.39E-04	0.00E+00	7.39E-04	1.29E-04
383	501293.9	3733102	7.33E-04	0.00E+00	7.33E-04	1.28E-04
384	501296	3733115	7.26E-04	0.00E+00	7.26E-04	1.27E-04
385	501298.1	3733128	7.19E-04	0.00E+00	7.19E-04	1.25E-04
386	501300.2	3733140	7.12E-04	0.00E+00	7.12E-04	1.24E-04
387	501302.3	3733153	7.05E-04	0.00E+00	7.05E-04	1.23E-04
388	501304.4	3733166	6.99E-04	0.00E+00	6.99E-04	1.22E-04
389	501306.5	3733179	6.92E-04	0.00E+00	6.92E-04	1.21E-04
390	501249	3732832	9.10E-04	0.00E+00	9.10E-04	1.59E-04
391	501286	3732834	8.55E-04	0.00E+00	8.55E-04	1.49E-04
392	501288.1	3732847	8.46E-04	0.00E+00	8.46E-04	1.47E-04
393	501290.2	3732860	8.37E-04	0.00E+00	8.37E-04	1.46E-04
394	501292.3	3732873	8.29E-04	0.00E+00	8.29E-04	1.44E-04
395	501294.5	3732886	8.20E-04	0.00E+00	8.20E-04	1.43E-04
396	501296.6	3732899	8.11E-04	0.00E+00	8.11E-04	1.41E-04
397	501298.7	3732912	8.03E-04	0.00E+00	8.03E-04	1.40E-04
398	501300.8	3732925	7.94E-04	0.00E+00	7.94E-04	1.38E-04
399	501302.9	3732938	7.86E-04	0.00E+00	7.86E-04	1.37E-04
400	501307.2	3732964	7.71E-04	0.00E+00	7.71E-04	1.34E-04
401	501309.3	3732977	7.63E-04	0.00E+00	7.63E-04	1.33E-04
402	501311.4	3732990	7.55E-04	0.00E+00	7.55E-04	1.32E-04
403	501313.5	3733003	7.48E-04	0.00E+00	7.48E-04	1.30E-04
404	501315.7	3733016	7.40E-04	0.00E+00	7.40E-04	1.29E-04
405	501317.8	3733029	7.33E-04	0.00E+00	7.33E-04	1.28E-04
406	501319.9	3733042	7.26E-04	0.00E+00	7.26E-04	1.26E-04
407	501322	3733055	7.19E-04	0.00E+00	7.19E-04	1.25E-04
408	501324.1	3733068	7.12E-04	0.00E+00	7.12E-04	1.24E-04
409	501326.3	3733081	7.05E-04	0.00E+00	7.05E-04	1.23E-04
410	501328.4	3733094	6.99E-04	0.00E+00	6.99E-04	1.22E-04
411	501330.5	3733107	6.92E-04	0.00E+00	6.92E-04	1.21E-04
412	501332.6	3733120	6.86E-04	0.00E+00	6.86E-04	1.20E-04
413	501334.7	3733133	6.80E-04	0.00E+00	6.80E-04	1.18E-04
414	501336.9	3733146	6.73E-04	0.00E+00	6.73E-04	1.17E-04
415	501339	3733159	6.68E-04	0.00E+00	6.68E-04	1.16E-04
416	501341.1	3733172	6.62E-04	0.00E+00	6.62E-04	1.15E-04

417	501282.8	3732821	8.66E-04	0.00E+00	8.66E-04	1.51E-04
418	500229.2	3733169	3.19E-02	0.00E+00	3.19E-02	5.55E-03
419	501024.7	3732970	1.26E-03	0.00E+00	1.26E-03	2.20E-04
420	501201.7	3732924	9.32E-04	0.00E+00	9.32E-04	1.62E-04
421	501236.3	3732915	8.85E-04	0.00E+00	8.85E-04	1.54E-04
422	501269.1	3732899	8.47E-04	0.00E+00	8.47E-04	1.47E-04
423	501303.7	3732890	8.06E-04	0.00E+00	8.06E-04	1.40E-04
424	500342	3733120	1.26E-02	0.00E+00	1.26E-02	2.19E-03
425	500361.7	3733117	1.12E-02	0.00E+00	1.12E-02	1.95E-03
426	500915.8	3733034	1.52E-03	0.00E+00	1.52E-03	2.66E-04
427	500956.6	3733035	1.39E-03	0.00E+00	1.39E-03	2.42E-04
428	500994.6	3733020	1.30E-03	0.00E+00	1.30E-03	2.26E-04
429	501035.4	3733021	1.19E-03	0.00E+00	1.19E-03	2.07E-04
430	501032.5	3733005	1.21E-03	0.00E+00	1.21E-03	2.11E-04
431	501071.9	3732998	1.13E-03	0.00E+00	1.13E-03	1.96E-04
432	501107.1	3732992	1.06E-03	0.00E+00	1.06E-03	1.85E-04
433	501142.2	3732986	9.97E-04	0.00E+00	9.97E-04	1.74E-04
434	501180.2	3732995	9.25E-04	0.00E+00	9.25E-04	1.61E-04
435	501177.4	3732979	9.39E-04	0.00E+00	9.39E-04	1.64E-04
436	501215.4	3732989	8.76E-04	0.00E+00	8.76E-04	1.53E-04
437	501212.5	3732973	8.89E-04	0.00E+00	8.89E-04	1.55E-04
438	501250.6	3732983	8.32E-04	0.00E+00	8.32E-04	1.45E-04
439	501247.7	3732967	8.43E-04	0.00E+00	8.43E-04	1.47E-04
440	501285.7	3732977	7.91E-04	0.00E+00	7.91E-04	1.38E-04
441	501282.9	3732960	8.01E-04	0.00E+00	8.01E-04	1.40E-04
442	501320.9	3732970	7.51E-04	0.00E+00	7.51E-04	1.31E-04
443	500323.8	3733120	1.41E-02	0.00E+00	1.41E-02	2.46E-03
444	500440.7	3733164	6.97E-03	0.00E+00	6.97E-03	1.22E-03
445	500470.4	3733168	5.98E-03	0.00E+00	5.98E-03	1.04E-03
446	500500	3733173	5.17E-03	0.00E+00	5.17E-03	9.01E-04
447	500529.7	3733178	4.51E-03	0.00E+00	4.51E-03	7.86E-04
448	500559.3	3733182	3.97E-03	0.00E+00	3.97E-03	6.91E-04
449	500562.6	3733161	4.01E-03	0.00E+00	4.01E-03	6.98E-04
450	500589	3733187	3.52E-03	0.00E+00	3.52E-03	6.13E-04
451	500591.2	3733173	3.54E-03	0.00E+00	3.54E-03	6.17E-04
452	500618.6	3733191	3.14E-03	0.00E+00	3.14E-03	5.47E-04
453	500620.8	3733177	3.16E-03	0.00E+00	3.16E-03	5.51E-04
454	500648.3	3733196	2.82E-03	0.00E+00	2.82E-03	4.92E-04
455	500650.5	3733182	2.84E-03	0.00E+00	2.84E-03	4.95E-04
456	500677.9	3733201	2.56E-03	0.00E+00	2.56E-03	4.45E-04
457	500680.1	3733186	2.57E-03	0.00E+00	2.57E-03	4.48E-04
458	500717.4	3733207	2.26E-03	0.00E+00	2.26E-03	3.93E-04
459	500719.6	3733193	2.27E-03	0.00E+00	2.27E-03	3.95E-04
460	500757	3733213	2.01E-03	0.00E+00	2.01E-03	3.50E-04
461	500759.2	3733199	2.02E-03	0.00E+00	2.02E-03	3.52E-04
462	500796.5	3733219	1.80E-03	0.00E+00	1.80E-03	3.14E-04
463	500798.7	3733205	1.81E-03	0.00E+00	1.81E-03	3.16E-04

464	500836	3733225	1.59E-03	0.00E+00	1.59E-03	2.78E-04
465	500838.2	3733211	1.64E-03	0.00E+00	1.64E-03	2.85E-04
466	500875.5	3733231	1.45E-03	0.00E+00	1.45E-03	2.52E-04
467	500877.8	3733217	1.45E-03	0.00E+00	1.45E-03	2.53E-04
468	500915.1	3733237	1.32E-03	0.00E+00	1.32E-03	2.30E-04
469	500917.3	3733223	1.33E-03	0.00E+00	1.33E-03	2.31E-04
470	500954.6	3733244	1.22E-03	0.00E+00	1.22E-03	2.12E-04
471	500956.8	3733229	1.22E-03	0.00E+00	1.22E-03	2.13E-04
472	500994.1	3733250	1.12E-03	0.00E+00	1.12E-03	1.96E-04
473	500996.3	3733235	1.13E-03	0.00E+00	1.13E-03	1.96E-04
474	501033.6	3733256	1.04E-03	0.00E+00	1.04E-03	1.81E-04
475	501035.9	3733242	1.04E-03	0.00E+00	1.04E-03	1.82E-04
476	501108.5	3733267	9.08E-04	0.00E+00	9.08E-04	1.58E-04
477	501110.7	3733253	9.09E-04	0.00E+00	9.09E-04	1.58E-04
478	501143.8	3733273	8.53E-04	0.00E+00	8.53E-04	1.49E-04
479	501146	3733259	8.56E-04	0.00E+00	8.56E-04	1.49E-04
480	501214.3	3733284	7.61E-04	0.00E+00	7.61E-04	1.33E-04
481	501216.6	3733270	7.62E-04	0.00E+00	7.62E-04	1.33E-04
482	501251.8	3733275	7.22E-04	0.00E+00	7.22E-04	1.26E-04
483	501287.1	3733281	6.85E-04	0.00E+00	6.85E-04	1.19E-04
484	501320.2	3733300	6.49E-04	0.00E+00	6.49E-04	1.13E-04
485	500184.2	3733058	3.65E-02	0.00E+00	3.65E-02	6.37E-03
486	500175.1	3733054	3.83E-02	0.00E+00	3.83E-02	6.67E-03
487	500166	3733051	3.97E-02	0.00E+00	3.97E-02	6.93E-03
488	500156.8	3733047	4.09E-02	0.00E+00	4.09E-02	7.13E-03
489	500147.7	3733043	4.18E-02	0.00E+00	4.18E-02	7.28E-03
490	500138.6	3733039	4.25E-02	0.00E+00	4.25E-02	7.40E-03
491	500129.5	3733035	4.30E-02	0.00E+00	4.30E-02	7.48E-03
492	500120.3	3733032	4.33E-02	0.00E+00	4.33E-02	7.55E-03
493	500111.2	3733028	4.35E-02	0.00E+00	4.35E-02	7.58E-03
494	500102.1	3733024	4.36E-02	0.00E+00	4.36E-02	7.60E-03
495	500093	3733020	4.37E-02	0.00E+00	4.37E-02	7.61E-03
496	500083.8	3733016	4.36E-02	0.00E+00	4.36E-02	7.60E-03
497	500074.7	3733013	4.34E-02	0.00E+00	4.34E-02	7.57E-03
498	500065.6	3733009	4.32E-02	0.00E+00	4.32E-02	7.53E-03
499	500056.5	3733005	4.29E-02	0.00E+00	4.29E-02	7.48E-03
500	500047.3	3733001	4.26E-02	0.00E+00	4.26E-02	7.42E-03
501	500038.2	3732997	4.21E-02	0.00E+00	4.21E-02	7.34E-03
502	500029.1	3732994	4.16E-02	0.00E+00	4.16E-02	7.25E-03
503	500020	3732990	4.10E-02	0.00E+00	4.10E-02	7.15E-03
504	500010.8	3732986	4.04E-02	0.00E+00	4.04E-02	7.04E-03
505	500001.7	3732982	3.97E-02	0.00E+00	3.97E-02	6.91E-03
506	499992.6	3732978	3.89E-02	0.00E+00	3.89E-02	6.77E-03
507	499983.5	3732975	3.79E-02	0.00E+00	3.79E-02	6.61E-03
508	499974.3	3732971	3.70E-02	0.00E+00	3.70E-02	6.44E-03
509	499965.2	3732967	3.58E-02	0.00E+00	3.58E-02	6.25E-03
510	500224.8	3733060	2.67E-02	0.00E+00	2.67E-02	4.64E-03

511	500232.1	3733067	2.56E-02	0.00E+00	2.56E-02	4.46E-03
512	500241.2	3733083	2.46E-02	0.00E+00	2.46E-02	4.28E-03
513	500191.9	3733040	3.14E-02	0.00E+00	3.14E-02	5.46E-03
514	500182.8	3733036	3.26E-02	0.00E+00	3.26E-02	5.68E-03
515	500173.6	3733032	3.37E-02	0.00E+00	3.37E-02	5.86E-03
516	500164.5	3733028	3.45E-02	0.00E+00	3.45E-02	6.02E-03
517	500155.4	3733024	3.53E-02	0.00E+00	3.53E-02	6.15E-03
518	500146.3	3733021	3.58E-02	0.00E+00	3.58E-02	6.25E-03
519	500137.1	3733017	3.63E-02	0.00E+00	3.63E-02	6.32E-03
520	500128	3733013	3.66E-02	0.00E+00	3.66E-02	6.37E-03
521	500118.9	3733009	3.68E-02	0.00E+00	3.68E-02	6.41E-03
522	500109.8	3733006	3.69E-02	0.00E+00	3.69E-02	6.43E-03
523	500100.6	3733002	3.69E-02	0.00E+00	3.69E-02	6.43E-03
524	500091.5	3732998	3.69E-02	0.00E+00	3.69E-02	6.42E-03
525	500082.4	3732994	3.67E-02	0.00E+00	3.67E-02	6.40E-03
526	500073.3	3732990	3.65E-02	0.00E+00	3.65E-02	6.37E-03
527	500064.1	3732987	3.63E-02	0.00E+00	3.63E-02	6.32E-03
528	500055	3732983	3.59E-02	0.00E+00	3.59E-02	6.26E-03
529	500045.9	3732979	3.56E-02	0.00E+00	3.56E-02	6.20E-03
530	500036.8	3732975	3.51E-02	0.00E+00	3.51E-02	6.12E-03
531	500027.6	3732971	3.46E-02	0.00E+00	3.46E-02	6.03E-03
532	500018.5	3732968	3.40E-02	0.00E+00	3.40E-02	5.92E-03
533	500009.4	3732964	3.33E-02	0.00E+00	3.33E-02	5.81E-03
534	500000.2	3732960	3.26E-02	0.00E+00	3.26E-02	5.68E-03
535	499991.1	3732956	3.18E-02	0.00E+00	3.18E-02	5.54E-03
536	499982	3732952	3.09E-02	0.00E+00	3.09E-02	5.39E-03
537	499927.2	3732930	2.36E-02	0.00E+00	2.36E-02	4.10E-03
538	499918.1	3732926	2.20E-02	0.00E+00	2.20E-02	3.83E-03
539	499909	3732922	2.03E-02	0.00E+00	2.03E-02	3.55E-03
540	499899.9	3732918	1.87E-02	0.00E+00	1.87E-02	3.26E-03
541	499890.7	3732915	1.71E-02	0.00E+00	1.71E-02	2.98E-03
542	499881.6	3732911	1.56E-02	0.00E+00	1.56E-02	2.72E-03
543	499872.5	3732907	1.42E-02	0.00E+00	1.42E-02	2.48E-03
544	500224.3	3733035	2.49E-02	0.00E+00	2.49E-02	4.34E-03
545	500237.4	3733046	2.36E-02	0.00E+00	2.36E-02	4.10E-03
546	500250.4	3733058	2.20E-02	0.00E+00	2.20E-02	3.84E-03
547	500258.4	3733072	2.13E-02	0.00E+00	2.13E-02	3.71E-03
548	500261.5	3733089	2.13E-02	0.00E+00	2.13E-02	3.70E-03
549	500190.4	3733017	2.85E-02	0.00E+00	2.85E-02	4.97E-03
550	500181.3	3733014	2.93E-02	0.00E+00	2.93E-02	5.11E-03
551	500172.2	3733010	3.01E-02	0.00E+00	3.01E-02	5.24E-03
552	500163.1	3733006	3.06E-02	0.00E+00	3.06E-02	5.34E-03
553	500153.9	3733002	3.11E-02	0.00E+00	3.11E-02	5.42E-03
554	500144.8	3732998	3.15E-02	0.00E+00	3.15E-02	5.49E-03
555	500135.7	3732995	3.18E-02	0.00E+00	3.18E-02	5.53E-03
556	500126.6	3732991	3.19E-02	0.00E+00	3.19E-02	5.57E-03
557	500117.4	3732987	3.20E-02	0.00E+00	3.20E-02	5.58E-03

558	500108.3	3732983	3.21E-02	0.00E+00	3.21E-02	5.59E-03
559	500099.2	3732979	3.20E-02	0.00E+00	3.20E-02	5.58E-03
560	500090.1	3732976	3.19E-02	0.00E+00	3.19E-02	5.56E-03
561	500080.9	3732972	3.17E-02	0.00E+00	3.17E-02	5.53E-03
562	500071.8	3732968	3.15E-02	0.00E+00	3.15E-02	5.49E-03
563	500062.7	3732964	3.12E-02	0.00E+00	3.12E-02	5.43E-03
564	500053.6	3732961	3.08E-02	0.00E+00	3.08E-02	5.37E-03
565	500044.4	3732957	3.04E-02	0.00E+00	3.04E-02	5.30E-03
566	500035.3	3732953	3.00E-02	0.00E+00	3.00E-02	5.22E-03
567	499989.7	3732934	2.67E-02	0.00E+00	2.67E-02	4.65E-03
568	499980.5	3732930	2.58E-02	0.00E+00	2.58E-02	4.50E-03
569	499971.4	3732926	2.49E-02	0.00E+00	2.49E-02	4.34E-03
570	499962.3	3732923	2.39E-02	0.00E+00	2.39E-02	4.16E-03
571	499953.2	3732919	2.28E-02	0.00E+00	2.28E-02	3.98E-03
572	499944	3732915	2.17E-02	0.00E+00	2.17E-02	3.78E-03
573	499934.9	3732911	2.05E-02	0.00E+00	2.05E-02	3.57E-03
574	499925.8	3732907	1.92E-02	0.00E+00	1.92E-02	3.35E-03
575	499916.7	3732904	1.80E-02	0.00E+00	1.80E-02	3.13E-03
576	499907.5	3732900	1.67E-02	0.00E+00	1.67E-02	2.91E-03
577	499898.4	3732896	1.55E-02	0.00E+00	1.55E-02	2.69E-03
578	499889.3	3732892	1.43E-02	0.00E+00	1.43E-02	2.49E-03
579	499880.2	3732888	1.32E-02	0.00E+00	1.32E-02	2.30E-03
580	500232.5	3733016	2.26E-02	0.00E+00	2.26E-02	3.93E-03
581	500239.5	3733023	2.20E-02	0.00E+00	2.20E-02	3.84E-03
582	500246.4	3733029	2.14E-02	0.00E+00	2.14E-02	3.73E-03
583	500253.4	3733035	2.08E-02	0.00E+00	2.08E-02	3.62E-03
584	500260.4	3733041	2.01E-02	0.00E+00	2.01E-02	3.50E-03
585	500267.4	3733047	1.94E-02	0.00E+00	1.94E-02	3.39E-03
586	500276	3733063	1.87E-02	0.00E+00	1.87E-02	3.27E-03
587	500277.7	3733072	1.87E-02	0.00E+00	1.87E-02	3.26E-03
588	500279.3	3733081	1.87E-02	0.00E+00	1.87E-02	3.25E-03
589	500281	3733090	1.86E-02	0.00E+00	1.86E-02	3.24E-03
590	500282.6	3733100	1.85E-02	0.00E+00	1.85E-02	3.22E-03
591	500284.3	3733109	1.84E-02	0.00E+00	1.84E-02	3.20E-03
592	500225.5	3733010	2.30E-02	0.00E+00	2.30E-02	4.01E-03
593	500189	3732995	2.61E-02	0.00E+00	2.61E-02	4.54E-03
594	500179.9	3732991	2.66E-02	0.00E+00	2.66E-02	4.64E-03
595	500170.7	3732988	2.71E-02	0.00E+00	2.71E-02	4.73E-03
596	500161.6	3732984	2.75E-02	0.00E+00	2.75E-02	4.80E-03
597	500152.5	3732980	2.78E-02	0.00E+00	2.78E-02	4.85E-03
598	500143.4	3732976	2.81E-02	0.00E+00	2.81E-02	4.89E-03
599	500134.2	3732972	2.82E-02	0.00E+00	2.82E-02	4.92E-03
600	500125.1	3732969	2.83E-02	0.00E+00	2.83E-02	4.93E-03
601	500116	3732965	2.83E-02	0.00E+00	2.83E-02	4.94E-03
602	500106.9	3732961	2.83E-02	0.00E+00	2.83E-02	4.93E-03
603	500097.7	3732957	2.82E-02	0.00E+00	2.82E-02	4.91E-03
604	500088.6	3732953	2.80E-02	0.00E+00	2.80E-02	4.88E-03

605	500033.8	3732931	2.59E-02	0.00E+00	2.59E-02	4.52E-03
606	500024.7	3732927	2.54E-02	0.00E+00	2.54E-02	4.43E-03
607	500015.6	3732923	2.48E-02	0.00E+00	2.48E-02	4.32E-03
608	500006.5	3732919	2.42E-02	0.00E+00	2.42E-02	4.21E-03
609	499997.3	3732915	2.35E-02	0.00E+00	2.35E-02	4.09E-03
610	499988.2	3732912	2.27E-02	0.00E+00	2.27E-02	3.96E-03
611	499979.1	3732908	2.19E-02	0.00E+00	2.19E-02	3.82E-03
612	499970	3732904	2.11E-02	0.00E+00	2.11E-02	3.67E-03
613	499960.8	3732900	2.01E-02	0.00E+00	2.01E-02	3.51E-03
614	499951.7	3732897	1.92E-02	0.00E+00	1.92E-02	3.34E-03
615	499942.6	3732893	1.82E-02	0.00E+00	1.82E-02	3.17E-03
616	499933.5	3732889	1.72E-02	0.00E+00	1.72E-02	2.99E-03
617	499924.3	3732885	1.62E-02	0.00E+00	1.62E-02	2.82E-03
618	499915.2	3732881	1.51E-02	0.00E+00	1.51E-02	2.64E-03
619	499906.1	3732878	1.41E-02	0.00E+00	1.41E-02	2.46E-03
620	499897	3732874	1.32E-02	0.00E+00	1.32E-02	2.30E-03
621	499887.8	3732870	1.23E-02	0.00E+00	1.23E-02	2.14E-03
622	500240.5	3732998	2.06E-02	0.00E+00	2.06E-02	3.59E-03
623	500247.8	3733005	2.02E-02	0.00E+00	2.02E-02	3.51E-03
624	500255.1	3733011	1.97E-02	0.00E+00	1.97E-02	3.42E-03
625	500262.5	3733018	1.91E-02	0.00E+00	1.91E-02	3.33E-03
626	500269.8	3733024	1.85E-02	0.00E+00	1.85E-02	3.23E-03
627	500277.1	3733031	1.79E-02	0.00E+00	1.79E-02	3.13E-03
628	500284.4	3733037	1.73E-02	0.00E+00	1.73E-02	3.02E-03
629	500293.5	3733054	1.67E-02	0.00E+00	1.67E-02	2.91E-03
630	500295.3	3733063	1.66E-02	0.00E+00	1.66E-02	2.90E-03
631	500297	3733073	1.65E-02	0.00E+00	1.65E-02	2.88E-03
632	500298.7	3733082	1.65E-02	0.00E+00	1.65E-02	2.87E-03
633	500300.5	3733092	1.63E-02	0.00E+00	1.63E-02	2.85E-03
634	500302.2	3733102	1.62E-02	0.00E+00	1.62E-02	2.83E-03
635	500304	3733111	1.61E-02	0.00E+00	1.61E-02	2.80E-03
636	500233.2	3732992	2.10E-02	0.00E+00	2.10E-02	3.66E-03
637	500224	3732988	2.17E-02	0.00E+00	2.17E-02	3.78E-03
638	500187.5	3732973	2.39E-02	0.00E+00	2.39E-02	4.17E-03
639	500178.4	3732969	2.43E-02	0.00E+00	2.43E-02	4.24E-03
640	500169.3	3732965	2.46E-02	0.00E+00	2.46E-02	4.29E-03
641	500160.2	3732961	2.49E-02	0.00E+00	2.49E-02	4.34E-03
642	500151	3732958	2.51E-02	0.00E+00	2.51E-02	4.38E-03
643	500141.9	3732954	2.53E-02	0.00E+00	2.53E-02	4.40E-03
644	500087.2	3732931	2.49E-02	0.00E+00	2.49E-02	4.33E-03
645	500078	3732927	2.46E-02	0.00E+00	2.46E-02	4.29E-03
646	500068.9	3732924	2.43E-02	0.00E+00	2.43E-02	4.24E-03
647	500059.8	3732920	2.40E-02	0.00E+00	2.40E-02	4.18E-03
648	500050.6	3732916	2.36E-02	0.00E+00	2.36E-02	4.11E-03
649	500041.5	3732912	2.32E-02	0.00E+00	2.32E-02	4.04E-03
650	500032.4	3732908	2.27E-02	0.00E+00	2.27E-02	3.95E-03
651	500023.3	3732905	2.22E-02	0.00E+00	2.22E-02	3.86E-03

652	500014.1	3732901	2.16E-02	0.00E+00	2.16E-02	3.76E-03
653	500005	3732897	2.10E-02	0.00E+00	2.10E-02	3.65E-03
654	499995.9	3732893	2.03E-02	0.00E+00	2.03E-02	3.54E-03
655	499986.8	3732889	1.96E-02	0.00E+00	1.96E-02	3.42E-03
656	499977.6	3732886	1.89E-02	0.00E+00	1.89E-02	3.29E-03
657	499968.5	3732882	1.81E-02	0.00E+00	1.81E-02	3.15E-03
658	499959.4	3732878	1.73E-02	0.00E+00	1.73E-02	3.01E-03
659	499950.3	3732874	1.64E-02	0.00E+00	1.64E-02	2.86E-03
660	499941.1	3732870	1.56E-02	0.00E+00	1.56E-02	2.72E-03
661	499932	3732867	1.47E-02	0.00E+00	1.47E-02	2.57E-03
662	499922.9	3732863	1.39E-02	0.00E+00	1.39E-02	2.42E-03
663	499913.8	3732859	1.31E-02	0.00E+00	1.31E-02	2.28E-03
664	499904.6	3732855	1.23E-02	0.00E+00	1.23E-02	2.14E-03
665	499895.5	3732852	1.15E-02	0.00E+00	1.15E-02	2.00E-03
666	500247.7	3732979	1.90E-02	0.00E+00	1.90E-02	3.31E-03
667	500254.5	3732985	1.87E-02	0.00E+00	1.87E-02	3.25E-03
668	500261.4	3732992	1.83E-02	0.00E+00	1.83E-02	3.19E-03
669	500268.2	3732998	1.79E-02	0.00E+00	1.79E-02	3.11E-03
670	500275	3733004	1.74E-02	0.00E+00	1.74E-02	3.04E-03
671	500281.9	3733010	1.70E-02	0.00E+00	1.70E-02	2.96E-03
672	500288.7	3733016	1.65E-02	0.00E+00	1.65E-02	2.88E-03
673	500295.5	3733022	1.60E-02	0.00E+00	1.60E-02	2.79E-03
674	500302.4	3733028	1.55E-02	0.00E+00	1.55E-02	2.70E-03
675	500310.8	3733043	1.50E-02	0.00E+00	1.50E-02	2.61E-03
676	500312.5	3733052	1.49E-02	0.00E+00	1.49E-02	2.60E-03
677	500314.1	3733061	1.48E-02	0.00E+00	1.48E-02	2.58E-03
678	500315.7	3733070	1.47E-02	0.00E+00	1.47E-02	2.57E-03
679	500317.3	3733079	1.46E-02	0.00E+00	1.46E-02	2.55E-03
680	500319	3733088	1.45E-02	0.00E+00	1.45E-02	2.53E-03
681	500320.6	3733097	1.44E-02	0.00E+00	1.44E-02	2.51E-03
682	500322.2	3733106	1.43E-02	0.00E+00	1.43E-02	2.49E-03
683	500240.8	3732973	1.93E-02	0.00E+00	1.93E-02	3.36E-03
684	500231.7	3732970	1.99E-02	0.00E+00	1.99E-02	3.46E-03
685	500222.6	3732966	2.04E-02	0.00E+00	2.04E-02	3.55E-03
686	500140.5	3732932	2.29E-02	0.00E+00	2.29E-02	3.99E-03
687	500131.3	3732928	2.29E-02	0.00E+00	2.29E-02	3.99E-03
688	500122.2	3732924	2.29E-02	0.00E+00	2.29E-02	3.98E-03
689	500113.1	3732920	2.28E-02	0.00E+00	2.28E-02	3.97E-03
690	500103.9	3732916	2.26E-02	0.00E+00	2.26E-02	3.94E-03
691	500094.8	3732913	2.24E-02	0.00E+00	2.24E-02	3.91E-03
692	500085.7	3732909	2.22E-02	0.00E+00	2.22E-02	3.87E-03
693	500076.6	3732905	2.20E-02	0.00E+00	2.20E-02	3.83E-03
694	500067.4	3732901	2.16E-02	0.00E+00	2.16E-02	3.77E-03
695	500058.3	3732898	2.13E-02	0.00E+00	2.13E-02	3.71E-03
696	500049.2	3732894	2.09E-02	0.00E+00	2.09E-02	3.64E-03
697	500040.1	3732890	2.05E-02	0.00E+00	2.05E-02	3.57E-03
698	500030.9	3732886	2.00E-02	0.00E+00	2.00E-02	3.48E-03

699	500021.8	3732882	1.95E-02	0.00E+00	1.95E-02	3.40E-03
700	500012.7	3732879	1.89E-02	0.00E+00	1.89E-02	3.30E-03
701	500003.6	3732875	1.84E-02	0.00E+00	1.84E-02	3.20E-03
702	499994.4	3732871	1.77E-02	0.00E+00	1.77E-02	3.09E-03
703	499985.3	3732867	1.71E-02	0.00E+00	1.71E-02	2.98E-03
704	499976.2	3732863	1.64E-02	0.00E+00	1.64E-02	2.86E-03
705	499967.1	3732860	1.57E-02	0.00E+00	1.57E-02	2.74E-03
706	499957.9	3732856	1.50E-02	0.00E+00	1.50E-02	2.61E-03
707	499948.8	3732852	1.43E-02	0.00E+00	1.43E-02	2.49E-03
708	499939.7	3732848	1.36E-02	0.00E+00	1.36E-02	2.36E-03
709	499930.6	3732844	1.28E-02	0.00E+00	1.28E-02	2.24E-03
710	499921.4	3732841	1.21E-02	0.00E+00	1.21E-02	2.12E-03
711	499912.3	3732837	1.15E-02	0.00E+00	1.15E-02	2.00E-03
712	499903.2	3732833	1.08E-02	0.00E+00	1.08E-02	1.88E-03
713	500255.6	3732961	1.76E-02	0.00E+00	1.76E-02	3.06E-03
714	500262.7	3732967	1.73E-02	0.00E+00	1.73E-02	3.01E-03
715	500269.8	3732974	1.69E-02	0.00E+00	1.69E-02	2.95E-03
716	500276.9	3732980	1.66E-02	0.00E+00	1.66E-02	2.89E-03
717	500284	3732986	1.62E-02	0.00E+00	1.62E-02	2.82E-03
718	500291.1	3732993	1.58E-02	0.00E+00	1.58E-02	2.75E-03
719	500298.2	3732999	1.54E-02	0.00E+00	1.54E-02	2.68E-03
720	500305.3	3733005	1.49E-02	0.00E+00	1.49E-02	2.60E-03
721	500312.4	3733012	1.45E-02	0.00E+00	1.45E-02	2.52E-03
722	500319.5	3733018	1.40E-02	0.00E+00	1.40E-02	2.44E-03
723	500328.3	3733034	1.35E-02	0.00E+00	1.35E-02	2.35E-03
724	500330	3733043	1.34E-02	0.00E+00	1.34E-02	2.34E-03
725	500331.7	3733052	1.34E-02	0.00E+00	1.34E-02	2.33E-03
726	500333.4	3733062	1.33E-02	0.00E+00	1.33E-02	2.31E-03
727	500335.1	3733071	1.32E-02	0.00E+00	1.32E-02	2.29E-03
728	500336.8	3733080	1.30E-02	0.00E+00	1.30E-02	2.27E-03
729	500338.5	3733090	1.29E-02	0.00E+00	1.29E-02	2.25E-03
730	500340.2	3733099	1.28E-02	0.00E+00	1.28E-02	2.23E-03
731	500341.9	3733108	1.26E-02	0.00E+00	1.26E-02	2.20E-03
732	500193.8	3732932	2.01E-02	0.00E+00	2.01E-02	3.50E-03
733	500184.6	3732928	2.03E-02	0.00E+00	2.03E-02	3.55E-03
734	500175.5	3732925	2.05E-02	0.00E+00	2.05E-02	3.58E-03
735	500166.4	3732921	2.07E-02	0.00E+00	2.07E-02	3.60E-03
736	500157.3	3732917	2.08E-02	0.00E+00	2.08E-02	3.62E-03
737	500148.1	3732913	2.08E-02	0.00E+00	2.08E-02	3.63E-03
738	500139	3732909	2.08E-02	0.00E+00	2.08E-02	3.63E-03
739	500129.9	3732906	2.08E-02	0.00E+00	2.08E-02	3.62E-03
740	500120.7	3732902	2.07E-02	0.00E+00	2.07E-02	3.61E-03
741	500111.6	3732898	2.06E-02	0.00E+00	2.06E-02	3.59E-03
742	500102.5	3732894	2.04E-02	0.00E+00	2.04E-02	3.56E-03
743	500093.4	3732890	2.02E-02	0.00E+00	2.02E-02	3.52E-03
744	500084.2	3732887	2.00E-02	0.00E+00	2.00E-02	3.48E-03
745	500075.1	3732883	1.97E-02	0.00E+00	1.97E-02	3.43E-03

746	500066	3732879	1.94E-02	0.00E+00	1.94E-02	3.37E-03
747	500056.9	3732875	1.90E-02	0.00E+00	1.90E-02	3.31E-03
748	500047.7	3732871	1.86E-02	0.00E+00	1.86E-02	3.24E-03
749	500038.6	3732868	1.82E-02	0.00E+00	1.82E-02	3.17E-03
750	500029.5	3732864	1.77E-02	0.00E+00	1.77E-02	3.09E-03
751	500020.4	3732860	1.72E-02	0.00E+00	1.72E-02	3.01E-03
752	500011.2	3732856	1.67E-02	0.00E+00	1.67E-02	2.92E-03
753	500002.1	3732853	1.62E-02	0.00E+00	1.62E-02	2.82E-03
754	499993	3732849	1.56E-02	0.00E+00	1.56E-02	2.72E-03
755	499983.9	3732845	1.50E-02	0.00E+00	1.50E-02	2.62E-03
756	499974.7	3732841	1.44E-02	0.00E+00	1.44E-02	2.51E-03
757	499965.6	3732837	1.38E-02	0.00E+00	1.38E-02	2.41E-03
758	499956.5	3732834	1.32E-02	0.00E+00	1.32E-02	2.30E-03
759	499947.3	3732830	1.26E-02	0.00E+00	1.26E-02	2.19E-03
760	499938.2	3732826	1.20E-02	0.00E+00	1.20E-02	2.08E-03
761	499929.1	3732822	1.14E-02	0.00E+00	1.14E-02	1.98E-03
762	499920	3732818	1.08E-02	0.00E+00	1.08E-02	1.87E-03
763	499910.8	3732815	1.02E-02	0.00E+00	1.02E-02	1.78E-03
764	500278.2	3732956	1.58E-02	0.00E+00	1.58E-02	2.75E-03
765	500285.5	3732962	1.55E-02	0.00E+00	1.55E-02	2.70E-03
766	500292.8	3732969	1.51E-02	0.00E+00	1.51E-02	2.64E-03
767	500300.1	3732975	1.48E-02	0.00E+00	1.48E-02	2.57E-03
768	500307.5	3732982	1.44E-02	0.00E+00	1.44E-02	2.51E-03
769	500314.8	3732988	1.40E-02	0.00E+00	1.40E-02	2.44E-03
770	500322.1	3732995	1.36E-02	0.00E+00	1.36E-02	2.37E-03
771	500329.4	3733001	1.32E-02	0.00E+00	1.32E-02	2.29E-03
772	500336.8	3733008	1.27E-02	0.00E+00	1.27E-02	2.22E-03
773	500345.8	3733024	1.23E-02	0.00E+00	1.23E-02	2.14E-03
774	500347.6	3733034	1.22E-02	0.00E+00	1.22E-02	2.12E-03
775	500349.3	3733043	1.21E-02	0.00E+00	1.21E-02	2.11E-03
776	500351.1	3733053	1.20E-02	0.00E+00	1.20E-02	2.09E-03
777	500352.8	3733063	1.19E-02	0.00E+00	1.19E-02	2.07E-03
778	500354.5	3733072	1.18E-02	0.00E+00	1.18E-02	2.05E-03
779	500356.3	3733082	1.17E-02	0.00E+00	1.17E-02	2.03E-03
780	500358	3733092	1.15E-02	0.00E+00	1.15E-02	2.01E-03
781	500359.8	3733101	1.14E-02	0.00E+00	1.14E-02	1.98E-03
782	500256.2	3732936	1.65E-02	0.00E+00	1.65E-02	2.88E-03
783	500247.1	3732933	1.69E-02	0.00E+00	1.69E-02	2.95E-03
784	500237.9	3732929	1.73E-02	0.00E+00	1.73E-02	3.02E-03
785	500228.8	3732925	1.77E-02	0.00E+00	1.77E-02	3.08E-03
786	500219.7	3732921	1.80E-02	0.00E+00	1.80E-02	3.13E-03
787	500192.3	3732910	1.87E-02	0.00E+00	1.87E-02	3.25E-03
788	500183.2	3732906	1.88E-02	0.00E+00	1.88E-02	3.28E-03
789	500174.1	3732902	1.90E-02	0.00E+00	1.90E-02	3.30E-03
790	500164.9	3732898	1.90E-02	0.00E+00	1.90E-02	3.32E-03
791	500155.8	3732895	1.91E-02	0.00E+00	1.91E-02	3.32E-03
792	500146.7	3732891	1.91E-02	0.00E+00	1.91E-02	3.32E-03

793	500137.5	3732887	1.90E-02	0.00E+00	1.90E-02	3.32E-03
794	500128.4	3732883	1.90E-02	0.00E+00	1.90E-02	3.30E-03
795	500119.3	3732880	1.88E-02	0.00E+00	1.88E-02	3.28E-03
796	500110.2	3732876	1.87E-02	0.00E+00	1.87E-02	3.26E-03
797	500101	3732872	1.85E-02	0.00E+00	1.85E-02	3.22E-03
798	500091.9	3732868	1.83E-02	0.00E+00	1.83E-02	3.18E-03
799	500082.8	3732864	1.80E-02	0.00E+00	1.80E-02	3.14E-03
800	500073.7	3732861	1.77E-02	0.00E+00	1.77E-02	3.09E-03
801	500064.5	3732857	1.74E-02	0.00E+00	1.74E-02	3.03E-03
802	500055.4	3732853	1.71E-02	0.00E+00	1.71E-02	2.97E-03
803	500046.3	3732849	1.67E-02	0.00E+00	1.67E-02	2.90E-03
804	500037.2	3732845	1.63E-02	0.00E+00	1.63E-02	2.83E-03
805	500028	3732842	1.58E-02	0.00E+00	1.58E-02	2.76E-03
806	500018.9	3732838	1.54E-02	0.00E+00	1.54E-02	2.68E-03
807	500009.8	3732834	1.49E-02	0.00E+00	1.49E-02	2.59E-03
808	500000.7	3732830	1.44E-02	0.00E+00	1.44E-02	2.51E-03
809	499991.5	3732826	1.39E-02	0.00E+00	1.39E-02	2.42E-03
810	499982.4	3732823	1.33E-02	0.00E+00	1.33E-02	2.32E-03
811	499973.3	3732819	1.28E-02	0.00E+00	1.28E-02	2.23E-03
812	499964.1	3732815	1.23E-02	0.00E+00	1.23E-02	2.14E-03
813	499955	3732811	1.17E-02	0.00E+00	1.17E-02	2.04E-03
814	499945.9	3732808	1.12E-02	0.00E+00	1.12E-02	1.95E-03
815	499936.8	3732804	1.07E-02	0.00E+00	1.07E-02	1.86E-03
816	499927.6	3732800	1.01E-02	0.00E+00	1.01E-02	1.77E-03
817	499918.5	3732796	9.64E-03	0.00E+00	9.64E-03	1.68E-03
818	500270.8	3732924	1.52E-02	0.00E+00	1.52E-02	2.65E-03
819	500277.8	3732930	1.50E-02	0.00E+00	1.50E-02	2.62E-03
820	500284.8	3732937	1.48E-02	0.00E+00	1.48E-02	2.58E-03
821	500312.7	3732961	1.37E-02	0.00E+00	1.37E-02	2.38E-03
822	500319.7	3732968	1.34E-02	0.00E+00	1.34E-02	2.33E-03
823	500326.6	3732974	1.30E-02	0.00E+00	1.30E-02	2.27E-03
824	500333.6	3732980	1.27E-02	0.00E+00	1.27E-02	2.21E-03
825	500340.6	3732986	1.23E-02	0.00E+00	1.23E-02	2.15E-03
826	500347.6	3732992	1.20E-02	0.00E+00	1.20E-02	2.09E-03
827	500354.6	3732999	1.16E-02	0.00E+00	1.16E-02	2.02E-03
828	500363.2	3733014	1.12E-02	0.00E+00	1.12E-02	1.95E-03
829	500364.8	3733023	1.11E-02	0.00E+00	1.11E-02	1.94E-03
830	500366.5	3733032	1.11E-02	0.00E+00	1.11E-02	1.93E-03
831	500368.2	3733041	1.10E-02	0.00E+00	1.10E-02	1.91E-03
832	500369.8	3733051	1.09E-02	0.00E+00	1.09E-02	1.89E-03
833	500371.5	3733060	1.08E-02	0.00E+00	1.08E-02	1.88E-03
834	500373.1	3733069	1.07E-02	0.00E+00	1.07E-02	1.86E-03
835	500374.8	3733078	1.05E-02	0.00E+00	1.05E-02	1.83E-03
836	500376.5	3733087	1.04E-02	0.00E+00	1.04E-02	1.81E-03
837	500378.1	3733097	1.03E-02	0.00E+00	1.03E-02	1.79E-03
838	500379.8	3733106	1.01E-02	0.00E+00	1.01E-02	1.77E-03
839	500263.9	3732918	1.54E-02	0.00E+00	1.54E-02	2.68E-03

840	500254.7	3732914	1.57E-02	0.00E+00	1.57E-02	2.74E-03
841	500245.6	3732910	1.61E-02	0.00E+00	1.61E-02	2.80E-03
842	500236.5	3732907	1.64E-02	0.00E+00	1.64E-02	2.85E-03
843	500227.4	3732903	1.66E-02	0.00E+00	1.66E-02	2.90E-03
844	500190.8	3732888	1.74E-02	0.00E+00	1.74E-02	3.03E-03
845	500181.7	3732884	1.75E-02	0.00E+00	1.75E-02	3.04E-03
846	500172.6	3732880	1.75E-02	0.00E+00	1.75E-02	3.05E-03
847	500163.5	3732876	1.76E-02	0.00E+00	1.76E-02	3.06E-03
848	500154.3	3732872	1.76E-02	0.00E+00	1.76E-02	3.06E-03
849	500145.2	3732869	1.75E-02	0.00E+00	1.75E-02	3.05E-03
850	500136.1	3732865	1.74E-02	0.00E+00	1.74E-02	3.04E-03
851	500127	3732861	1.73E-02	0.00E+00	1.73E-02	3.02E-03
852	500117.8	3732857	1.72E-02	0.00E+00	1.72E-02	3.00E-03
853	500108.7	3732853	1.70E-02	0.00E+00	1.70E-02	2.96E-03
854	500099.6	3732850	1.68E-02	0.00E+00	1.68E-02	2.93E-03
855	500090.5	3732846	1.66E-02	0.00E+00	1.66E-02	2.89E-03
856	500081.3	3732842	1.63E-02	0.00E+00	1.63E-02	2.84E-03
857	500072.2	3732838	1.60E-02	0.00E+00	1.60E-02	2.79E-03
858	500063.1	3732835	1.57E-02	0.00E+00	1.57E-02	2.74E-03
859	500054	3732831	1.54E-02	0.00E+00	1.54E-02	2.68E-03
860	500044.8	3732827	1.50E-02	0.00E+00	1.50E-02	2.61E-03
861	500035.7	3732823	1.46E-02	0.00E+00	1.46E-02	2.55E-03
862	500026.6	3732819	1.42E-02	0.00E+00	1.42E-02	2.47E-03
863	500017.5	3732816	1.38E-02	0.00E+00	1.38E-02	2.40E-03
864	500008.3	3732812	1.33E-02	0.00E+00	1.33E-02	2.32E-03
865	499999.2	3732808	1.29E-02	0.00E+00	1.29E-02	2.24E-03
866	499990.1	3732804	1.24E-02	0.00E+00	1.24E-02	2.16E-03
867	499980.9	3732800	1.19E-02	0.00E+00	1.19E-02	2.08E-03
868	499971.8	3732797	1.15E-02	0.00E+00	1.15E-02	2.00E-03
869	499962.7	3732793	1.10E-02	0.00E+00	1.10E-02	1.91E-03
870	499953.6	3732789	1.05E-02	0.00E+00	1.05E-02	1.83E-03
871	499944.4	3732785	1.00E-02	0.00E+00	1.00E-02	1.75E-03
872	499935.3	3732781	9.59E-03	0.00E+00	9.59E-03	1.67E-03
873	499926.2	3732778	9.15E-03	0.00E+00	9.15E-03	1.59E-03
874	500282.4	3732896	1.38E-02	0.00E+00	1.38E-02	2.41E-03
875	500289.4	3732903	1.37E-02	0.00E+00	1.37E-02	2.38E-03
876	500296.4	3732909	1.35E-02	0.00E+00	1.35E-02	2.35E-03
877	500303.4	3732915	1.33E-02	0.00E+00	1.33E-02	2.31E-03
878	500310.5	3732921	1.31E-02	0.00E+00	1.31E-02	2.27E-03
879	500317.5	3732928	1.28E-02	0.00E+00	1.28E-02	2.23E-03
880	500324.5	3732934	1.26E-02	0.00E+00	1.26E-02	2.19E-03
881	500331.5	3732940	1.23E-02	0.00E+00	1.23E-02	2.14E-03
882	500352.6	3732959	1.14E-02	0.00E+00	1.14E-02	1.99E-03
883	500359.6	3732965	1.11E-02	0.00E+00	1.11E-02	1.94E-03
884	500366.6	3732971	1.08E-02	0.00E+00	1.08E-02	1.89E-03
885	500373.6	3732978	1.05E-02	0.00E+00	1.05E-02	1.84E-03
886	500380.7	3732984	1.02E-02	0.00E+00	1.02E-02	1.78E-03

887	500389.4	3732999	9.85E-03	0.00E+00	9.85E-03	1.72E-03
888	500391	3733009	9.78E-03	0.00E+00	9.78E-03	1.70E-03
889	500392.7	3733018	9.70E-03	0.00E+00	9.70E-03	1.69E-03
890	500394.4	3733027	9.62E-03	0.00E+00	9.62E-03	1.68E-03
891	500396	3733036	9.53E-03	0.00E+00	9.53E-03	1.66E-03
892	500397.7	3733045	9.43E-03	0.00E+00	9.43E-03	1.64E-03
893	500399.4	3733055	9.33E-03	0.00E+00	9.33E-03	1.63E-03
894	500401.1	3733064	9.22E-03	0.00E+00	9.22E-03	1.61E-03
895	500402.7	3733073	9.11E-03	0.00E+00	9.11E-03	1.59E-03
896	500404.4	3733082	8.99E-03	0.00E+00	8.99E-03	1.57E-03
897	500406.1	3733092	8.87E-03	0.00E+00	8.87E-03	1.54E-03
898	500407.7	3733101	8.74E-03	0.00E+00	8.74E-03	1.52E-03
899	500275.4	3732890	1.39E-02	0.00E+00	1.39E-02	2.43E-03
900	500266.2	3732886	1.42E-02	0.00E+00	1.42E-02	2.48E-03
901	500257.1	3732883	1.45E-02	0.00E+00	1.45E-02	2.52E-03
902	500248	3732879	1.47E-02	0.00E+00	1.47E-02	2.56E-03
903	500238.9	3732875	1.49E-02	0.00E+00	1.49E-02	2.60E-03
904	500229.7	3732871	1.51E-02	0.00E+00	1.51E-02	2.63E-03
905	500220.6	3732867	1.53E-02	0.00E+00	1.53E-02	2.66E-03
906	500193.2	3732856	1.56E-02	0.00E+00	1.56E-02	2.72E-03
907	500184.1	3732852	1.56E-02	0.00E+00	1.56E-02	2.72E-03
908	500175	3732849	1.56E-02	0.00E+00	1.56E-02	2.73E-03
909	500165.9	3732845	1.56E-02	0.00E+00	1.56E-02	2.72E-03
910	500156.7	3732841	1.56E-02	0.00E+00	1.56E-02	2.72E-03
911	500147.6	3732837	1.55E-02	0.00E+00	1.55E-02	2.70E-03
912	500138.5	3732833	1.54E-02	0.00E+00	1.54E-02	2.69E-03
913	500129.3	3732830	1.53E-02	0.00E+00	1.53E-02	2.67E-03
914	500120.2	3732826	1.51E-02	0.00E+00	1.51E-02	2.64E-03
915	500111.1	3732822	1.50E-02	0.00E+00	1.50E-02	2.61E-03
916	500102	3732818	1.48E-02	0.00E+00	1.48E-02	2.57E-03
917	500092.8	3732814	1.45E-02	0.00E+00	1.45E-02	2.53E-03
918	500083.7	3732811	1.43E-02	0.00E+00	1.43E-02	2.49E-03
919	500074.6	3732807	1.40E-02	0.00E+00	1.40E-02	2.44E-03
920	500065.5	3732803	1.37E-02	0.00E+00	1.37E-02	2.39E-03
921	500056.3	3732799	1.34E-02	0.00E+00	1.34E-02	2.34E-03
922	500047.2	3732795	1.31E-02	0.00E+00	1.31E-02	2.28E-03
923	500038.1	3732792	1.27E-02	0.00E+00	1.27E-02	2.22E-03
924	500029	3732788	1.24E-02	0.00E+00	1.24E-02	2.15E-03
925	500019.8	3732784	1.20E-02	0.00E+00	1.20E-02	2.09E-03
926	500010.7	3732780	1.16E-02	0.00E+00	1.16E-02	2.02E-03
927	500001.6	3732776	1.12E-02	0.00E+00	1.12E-02	1.96E-03
928	499992.5	3732773	1.08E-02	0.00E+00	1.08E-02	1.89E-03
929	499983.3	3732769	1.04E-02	0.00E+00	1.04E-02	1.82E-03
930	499974.2	3732765	1.00E-02	0.00E+00	1.00E-02	1.75E-03
931	499965.1	3732761	9.64E-03	0.00E+00	9.64E-03	1.68E-03
932	499956	3732758	9.25E-03	0.00E+00	9.25E-03	1.61E-03
933	499946.8	3732754	8.86E-03	0.00E+00	8.86E-03	1.54E-03

934	499937.7	3732750	8.49E-03	0.00E+00	8.49E-03	1.48E-03
935	500293.9	3732869	1.26E-02	0.00E+00	1.26E-02	2.19E-03
936	500301	3732875	1.25E-02	0.00E+00	1.25E-02	2.17E-03
937	500308	3732881	1.23E-02	0.00E+00	1.23E-02	2.15E-03
938	500315.1	3732888	1.22E-02	0.00E+00	1.22E-02	2.12E-03
939	500322.1	3732894	1.20E-02	0.00E+00	1.20E-02	2.09E-03
940	500329.2	3732900	1.18E-02	0.00E+00	1.18E-02	2.06E-03
941	500336.3	3732906	1.16E-02	0.00E+00	1.16E-02	2.02E-03
942	500343.3	3732913	1.14E-02	0.00E+00	1.14E-02	1.98E-03
943	500350.4	3732919	1.11E-02	0.00E+00	1.11E-02	1.94E-03
944	500357.4	3732925	1.09E-02	0.00E+00	1.09E-02	1.90E-03
945	500364.5	3732931	1.07E-02	0.00E+00	1.07E-02	1.86E-03
946	500371.5	3732938	1.04E-02	0.00E+00	1.04E-02	1.81E-03
947	500399.7	3732963	9.34E-03	0.00E+00	9.34E-03	1.63E-03
948	500406.8	3732969	9.07E-03	0.00E+00	9.07E-03	1.58E-03
949	500415.5	3732985	8.74E-03	0.00E+00	8.74E-03	1.52E-03
950	500417.2	3732994	8.67E-03	0.00E+00	8.67E-03	1.51E-03
951	500418.9	3733003	8.59E-03	0.00E+00	8.59E-03	1.50E-03
952	500420.6	3733012	8.51E-03	0.00E+00	8.51E-03	1.48E-03
953	500422.2	3733022	8.43E-03	0.00E+00	8.43E-03	1.47E-03
954	500423.9	3733031	8.34E-03	0.00E+00	8.34E-03	1.45E-03
955	500425.6	3733040	8.24E-03	0.00E+00	8.24E-03	1.44E-03
956	500427.3	3733050	8.14E-03	0.00E+00	8.14E-03	1.42E-03
957	500429	3733059	8.04E-03	0.00E+00	8.04E-03	1.40E-03
958	500430.6	3733068	7.93E-03	0.00E+00	7.93E-03	1.38E-03
959	500432.3	3733077	7.82E-03	0.00E+00	7.82E-03	1.36E-03
960	500434	3733087	7.71E-03	0.00E+00	7.71E-03	1.34E-03
961	500286.9	3732863	1.27E-02	0.00E+00	1.27E-02	2.21E-03
962	500277.8	3732859	1.29E-02	0.00E+00	1.29E-02	2.25E-03
963	500268.6	3732855	1.31E-02	0.00E+00	1.31E-02	2.29E-03
964	500259.5	3732851	1.33E-02	0.00E+00	1.33E-02	2.32E-03
965	500250.4	3732847	1.35E-02	0.00E+00	1.35E-02	2.35E-03
966	500241.2	3732844	1.36E-02	0.00E+00	1.36E-02	2.38E-03
967	500232.1	3732840	1.38E-02	0.00E+00	1.38E-02	2.40E-03
968	500223	3732836	1.39E-02	0.00E+00	1.39E-02	2.42E-03
969	500186.5	3732821	1.41E-02	0.00E+00	1.41E-02	2.45E-03
970	500177.4	3732817	1.40E-02	0.00E+00	1.40E-02	2.45E-03
971	500168.2	3732813	1.40E-02	0.00E+00	1.40E-02	2.44E-03
972	500159.1	3732809	1.39E-02	0.00E+00	1.39E-02	2.43E-03
973	500150	3732806	1.38E-02	0.00E+00	1.38E-02	2.41E-03
974	500140.9	3732802	1.37E-02	0.00E+00	1.37E-02	2.39E-03
975	500131.7	3732798	1.36E-02	0.00E+00	1.36E-02	2.37E-03
976	500122.6	3732794	1.34E-02	0.00E+00	1.34E-02	2.34E-03
977	500113.5	3732790	1.33E-02	0.00E+00	1.33E-02	2.31E-03
978	500104.4	3732787	1.31E-02	0.00E+00	1.31E-02	2.28E-03
979	500095.2	3732783	1.28E-02	0.00E+00	1.28E-02	2.24E-03
980	500086.1	3732779	1.26E-02	0.00E+00	1.26E-02	2.20E-03

981	500077	3732775	1.24E-02	0.00E+00	1.24E-02	2.15E-03
982	500067.8	3732772	1.21E-02	0.00E+00	1.21E-02	2.11E-03
983	500058.7	3732768	1.18E-02	0.00E+00	1.18E-02	2.06E-03
984	500049.6	3732764	1.15E-02	0.00E+00	1.15E-02	2.01E-03
985	500040.5	3732760	1.12E-02	0.00E+00	1.12E-02	1.95E-03
986	500031.3	3732756	1.09E-02	0.00E+00	1.09E-02	1.90E-03
987	500022.2	3732753	1.06E-02	0.00E+00	1.06E-02	1.84E-03
988	500013.1	3732749	1.02E-02	0.00E+00	1.02E-02	1.78E-03
989	500004	3732745	9.90E-03	0.00E+00	9.90E-03	1.72E-03
990	499994.8	3732741	9.56E-03	0.00E+00	9.56E-03	1.67E-03
991	499985.7	3732737	9.23E-03	0.00E+00	9.23E-03	1.61E-03
992	499976.6	3732734	8.89E-03	0.00E+00	8.89E-03	1.55E-03
993	499967.5	3732730	8.56E-03	0.00E+00	8.56E-03	1.49E-03
994	499958.3	3732726	8.23E-03	0.00E+00	8.23E-03	1.43E-03
995	499949.2	3732722	7.91E-03	0.00E+00	7.91E-03	1.38E-03
996	500305.5	3732841	1.15E-02	0.00E+00	1.15E-02	2.01E-03
997	500312.5	3732847	1.14E-02	0.00E+00	1.14E-02	1.99E-03
998	500319.6	3732854	1.13E-02	0.00E+00	1.13E-02	1.97E-03
999	500326.7	3732860	1.12E-02	0.00E+00	1.12E-02	1.95E-03
1000	500333.8	3732866	1.11E-02	0.00E+00	1.11E-02	1.93E-03
1001	500340.9	3732873	1.09E-02	0.00E+00	1.09E-02	1.90E-03
1002	500348	3732879	1.07E-02	0.00E+00	1.07E-02	1.87E-03
1003	500355	3732885	1.06E-02	0.00E+00	1.06E-02	1.84E-03
1004	500362.1	3732891	1.04E-02	0.00E+00	1.04E-02	1.80E-03
1005	500369.2	3732898	1.02E-02	0.00E+00	1.02E-02	1.77E-03
1006	500376.3	3732904	9.95E-03	0.00E+00	9.95E-03	1.73E-03
1007	500383.4	3732910	9.73E-03	0.00E+00	9.73E-03	1.70E-03
1008	500390.4	3732917	9.51E-03	0.00E+00	9.51E-03	1.66E-03
1009	500397.5	3732923	9.28E-03	0.00E+00	9.28E-03	1.62E-03
1010	500404.6	3732929	9.05E-03	0.00E+00	9.05E-03	1.58E-03
1011	500411.7	3732935	8.81E-03	0.00E+00	8.81E-03	1.54E-03
1012	500418.8	3732942	8.57E-03	0.00E+00	8.57E-03	1.49E-03
1013	500441.7	3732970	7.80E-03	0.00E+00	7.80E-03	1.36E-03
1014	500443.4	3732979	7.74E-03	0.00E+00	7.74E-03	1.35E-03
1015	500445.1	3732989	7.67E-03	0.00E+00	7.67E-03	1.34E-03
1016	500446.7	3732998	7.59E-03	0.00E+00	7.59E-03	1.32E-03
1017	500448.4	3733007	7.51E-03	0.00E+00	7.51E-03	1.31E-03
1018	500450.1	3733017	7.43E-03	0.00E+00	7.43E-03	1.29E-03
1019	500451.8	3733026	7.34E-03	0.00E+00	7.34E-03	1.28E-03
1020	500453.5	3733035	7.25E-03	0.00E+00	7.25E-03	1.26E-03
1021	500455.2	3733045	7.15E-03	0.00E+00	7.15E-03	1.25E-03
1022	500456.9	3733054	7.06E-03	0.00E+00	7.06E-03	1.23E-03
1023	500458.5	3733063	6.96E-03	0.00E+00	6.96E-03	1.21E-03
1024	500460.2	3733073	6.86E-03	0.00E+00	6.86E-03	1.19E-03
1025	500461.9	3733082	6.75E-03	0.00E+00	6.75E-03	1.18E-03
1026	500298.4	3732835	1.16E-02	0.00E+00	1.16E-02	2.03E-03
1027	500289.3	3732831	1.18E-02	0.00E+00	1.18E-02	2.06E-03

1028	500280.1	3732827	1.20E-02	0.00E+00	1.20E-02	2.09E-03
1029	500271	3732823	1.21E-02	0.00E+00	1.21E-02	2.12E-03
1030	500261.9	3732820	1.23E-02	0.00E+00	1.23E-02	2.14E-03
1031	500252.8	3732816	1.24E-02	0.00E+00	1.24E-02	2.16E-03
1032	500243.6	3732812	1.25E-02	0.00E+00	1.25E-02	2.18E-03
1033	500234.5	3732808	1.26E-02	0.00E+00	1.26E-02	2.19E-03
1034	500225.4	3732804	1.26E-02	0.00E+00	1.26E-02	2.20E-03
1035	500188.9	3732789	1.27E-02	0.00E+00	1.27E-02	2.21E-03
1036	500179.7	3732786	1.27E-02	0.00E+00	1.27E-02	2.21E-03
1037	500170.6	3732782	1.26E-02	0.00E+00	1.26E-02	2.19E-03
1038	500161.5	3732778	1.25E-02	0.00E+00	1.25E-02	2.18E-03
1039	500152.4	3732774	1.24E-02	0.00E+00	1.24E-02	2.16E-03
1040	500143.2	3732770	1.23E-02	0.00E+00	1.23E-02	2.14E-03
1041	500134.1	3732767	1.22E-02	0.00E+00	1.22E-02	2.12E-03
1042	500125	3732763	1.20E-02	0.00E+00	1.20E-02	2.09E-03
1043	500115.9	3732759	1.18E-02	0.00E+00	1.18E-02	2.06E-03
1044	500106.7	3732755	1.16E-02	0.00E+00	1.16E-02	2.03E-03
1045	500097.6	3732751	1.14E-02	0.00E+00	1.14E-02	1.99E-03
1046	500088.5	3732748	1.12E-02	0.00E+00	1.12E-02	1.95E-03
1047	500079.4	3732744	1.10E-02	0.00E+00	1.10E-02	1.91E-03
1048	500070.2	3732740	1.07E-02	0.00E+00	1.07E-02	1.87E-03
1049	500061.1	3732736	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1050	500052	3732732	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1051	500042.9	3732729	9.95E-03	0.00E+00	9.95E-03	1.73E-03
1052	500033.7	3732725	9.68E-03	0.00E+00	9.68E-03	1.69E-03
1053	500024.6	3732721	9.39E-03	0.00E+00	9.39E-03	1.64E-03
1054	500015.5	3732717	9.11E-03	0.00E+00	9.11E-03	1.59E-03
1055	500006.3	3732713	8.82E-03	0.00E+00	8.82E-03	1.54E-03
1056	499997.2	3732710	8.53E-03	0.00E+00	8.53E-03	1.49E-03
1057	499988.1	3732706	8.24E-03	0.00E+00	8.24E-03	1.44E-03
1058	499979	3732702	7.96E-03	0.00E+00	7.96E-03	1.39E-03
1059	499969.8	3732698	7.67E-03	0.00E+00	7.67E-03	1.34E-03
1060	499960.7	3732695	7.40E-03	0.00E+00	7.40E-03	1.29E-03
1061	500317	3732813	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1062	500324.1	3732820	1.06E-02	0.00E+00	1.06E-02	1.84E-03
1063	500331.2	3732826	1.05E-02	0.00E+00	1.05E-02	1.82E-03
1064	500338.3	3732832	1.04E-02	0.00E+00	1.04E-02	1.80E-03
1065	500345.4	3732839	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1066	500352.5	3732845	1.01E-02	0.00E+00	1.01E-02	1.76E-03
1067	500359.6	3732851	9.97E-03	0.00E+00	9.97E-03	1.74E-03
1068	500366.7	3732858	9.82E-03	0.00E+00	9.82E-03	1.71E-03
1069	500373.8	3732864	9.66E-03	0.00E+00	9.66E-03	1.68E-03
1070	500380.9	3732870	9.49E-03	0.00E+00	9.49E-03	1.65E-03
1071	500388	3732877	9.31E-03	0.00E+00	9.31E-03	1.62E-03
1072	500395.1	3732883	9.12E-03	0.00E+00	9.12E-03	1.59E-03
1073	500402.2	3732889	8.93E-03	0.00E+00	8.93E-03	1.56E-03
1074	500409.3	3732895	8.73E-03	0.00E+00	8.73E-03	1.52E-03

1075	500416.4	3732902	8.53E-03	0.00E+00	8.53E-03	1.49E-03
1076	500423.5	3732908	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1077	500430.6	3732914	8.12E-03	0.00E+00	8.12E-03	1.41E-03
1078	500437.8	3732921	7.91E-03	0.00E+00	7.91E-03	1.38E-03
1079	500444.9	3732927	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1080	500452	3732933	7.49E-03	0.00E+00	7.49E-03	1.30E-03
1081	500459.1	3732940	7.28E-03	0.00E+00	7.28E-03	1.27E-03
1082	500469.5	3732965	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1083	500471.2	3732974	6.88E-03	0.00E+00	6.88E-03	1.20E-03
1084	500472.9	3732983	6.81E-03	0.00E+00	6.81E-03	1.19E-03
1085	500474.6	3732993	6.74E-03	0.00E+00	6.74E-03	1.17E-03
1086	500476.3	3733002	6.66E-03	0.00E+00	6.66E-03	1.16E-03
1087	500478	3733011	6.58E-03	0.00E+00	6.58E-03	1.15E-03
1088	500479.7	3733021	6.50E-03	0.00E+00	6.50E-03	1.13E-03
1089	500481.4	3733030	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1090	500483.1	3733039	6.33E-03	0.00E+00	6.33E-03	1.10E-03
1091	500484.8	3733049	6.24E-03	0.00E+00	6.24E-03	1.09E-03
1092	500486.4	3733058	6.15E-03	0.00E+00	6.15E-03	1.07E-03
1093	500488.1	3733068	6.06E-03	0.00E+00	6.06E-03	1.06E-03
1094	500489.8	3733077	5.96E-03	0.00E+00	5.96E-03	1.04E-03
1095	500309.9	3732807	1.07E-02	0.00E+00	1.07E-02	1.86E-03
1096	500300.8	3732803	1.09E-02	0.00E+00	1.09E-02	1.89E-03
1097	500291.6	3732800	1.10E-02	0.00E+00	1.10E-02	1.92E-03
1098	500282.5	3732796	1.11E-02	0.00E+00	1.11E-02	1.94E-03
1099	500273.4	3732792	1.12E-02	0.00E+00	1.12E-02	1.96E-03
1100	500264.3	3732788	1.13E-02	0.00E+00	1.13E-02	1.98E-03
1101	500255.1	3732784	1.14E-02	0.00E+00	1.14E-02	1.99E-03
1102	500246	3732781	1.15E-02	0.00E+00	1.15E-02	2.00E-03
1103	500236.9	3732777	1.15E-02	0.00E+00	1.15E-02	2.01E-03
1104	500227.8	3732773	1.16E-02	0.00E+00	1.16E-02	2.01E-03
1105	500191.3	3732758	1.15E-02	0.00E+00	1.15E-02	2.01E-03
1106	500182.1	3732754	1.15E-02	0.00E+00	1.15E-02	2.00E-03
1107	500173	3732750	1.14E-02	0.00E+00	1.14E-02	1.98E-03
1108	500163.9	3732746	1.13E-02	0.00E+00	1.13E-02	1.97E-03
1109	500154.7	3732743	1.12E-02	0.00E+00	1.12E-02	1.95E-03
1110	500145.6	3732739	1.11E-02	0.00E+00	1.11E-02	1.93E-03
1111	500136.5	3732735	1.09E-02	0.00E+00	1.09E-02	1.90E-03
1112	500127.4	3732731	1.08E-02	0.00E+00	1.08E-02	1.88E-03
1113	500118.2	3732727	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1114	500109.1	3732724	1.04E-02	0.00E+00	1.04E-02	1.82E-03
1115	500100	3732720	1.02E-02	0.00E+00	1.02E-02	1.79E-03
1116	500090.9	3732716	1.00E-02	0.00E+00	1.00E-02	1.75E-03
1117	500081.7	3732712	9.83E-03	0.00E+00	9.83E-03	1.71E-03
1118	500072.6	3732709	9.62E-03	0.00E+00	9.62E-03	1.68E-03
1119	500063.5	3732705	9.39E-03	0.00E+00	9.39E-03	1.64E-03
1120	500054.4	3732701	9.15E-03	0.00E+00	9.15E-03	1.59E-03
1121	500045.2	3732697	8.91E-03	0.00E+00	8.91E-03	1.55E-03

1122	500036.1	3732693	8.67E-03	0.00E+00	8.67E-03	1.51E-03
1123	500027	3732690	8.42E-03	0.00E+00	8.42E-03	1.47E-03
1124	500017.9	3732686	8.17E-03	0.00E+00	8.17E-03	1.42E-03
1125	500008.7	3732682	7.93E-03	0.00E+00	7.93E-03	1.38E-03
1126	499999.6	3732678	7.68E-03	0.00E+00	7.68E-03	1.34E-03
1127	499990.5	3732674	7.43E-03	0.00E+00	7.43E-03	1.29E-03
1128	499981.4	3732671	7.18E-03	0.00E+00	7.18E-03	1.25E-03
1129	499972.2	3732667	6.94E-03	0.00E+00	6.94E-03	1.21E-03
1130	500328.5	3732786	9.83E-03	0.00E+00	9.83E-03	1.71E-03
1131	500335.6	3732792	9.77E-03	0.00E+00	9.77E-03	1.70E-03
1132	500342.8	3732798	9.70E-03	0.00E+00	9.70E-03	1.69E-03
1133	500349.9	3732805	9.61E-03	0.00E+00	9.61E-03	1.67E-03
1134	500357	3732811	9.51E-03	0.00E+00	9.51E-03	1.66E-03
1135	500364.1	3732817	9.41E-03	0.00E+00	9.41E-03	1.64E-03
1136	500371.3	3732824	9.29E-03	0.00E+00	9.29E-03	1.62E-03
1137	500378.4	3732830	9.16E-03	0.00E+00	9.16E-03	1.60E-03
1138	500385.5	3732836	9.03E-03	0.00E+00	9.03E-03	1.57E-03
1139	500392.6	3732843	8.88E-03	0.00E+00	8.88E-03	1.55E-03
1140	500399.7	3732849	8.73E-03	0.00E+00	8.73E-03	1.52E-03
1141	500406.9	3732855	8.57E-03	0.00E+00	8.57E-03	1.49E-03
1142	500414	3732862	8.40E-03	0.00E+00	8.40E-03	1.46E-03
1143	500421.1	3732868	8.23E-03	0.00E+00	8.23E-03	1.43E-03
1144	500428.2	3732874	8.06E-03	0.00E+00	8.06E-03	1.40E-03
1145	500435.4	3732881	7.88E-03	0.00E+00	7.88E-03	1.37E-03
1146	500442.5	3732887	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1147	500449.6	3732893	7.51E-03	0.00E+00	7.51E-03	1.31E-03
1148	500456.7	3732900	7.32E-03	0.00E+00	7.32E-03	1.28E-03
1149	500463.8	3732906	7.14E-03	0.00E+00	7.14E-03	1.24E-03
1150	500471	3732912	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1151	500478.1	3732919	6.76E-03	0.00E+00	6.76E-03	1.18E-03
1152	500485.2	3732925	6.57E-03	0.00E+00	6.57E-03	1.15E-03
1153	500494	3732941	6.33E-03	0.00E+00	6.33E-03	1.10E-03
1154	500497.4	3732959	6.21E-03	0.00E+00	6.21E-03	1.08E-03
1155	500499.1	3732969	6.15E-03	0.00E+00	6.15E-03	1.07E-03
1156	500500.8	3732978	6.08E-03	0.00E+00	6.08E-03	1.06E-03
1157	500502.5	3732988	6.01E-03	0.00E+00	6.01E-03	1.05E-03
1158	500504.2	3732997	5.94E-03	0.00E+00	5.94E-03	1.03E-03
1159	500505.9	3733006	5.86E-03	0.00E+00	5.86E-03	1.02E-03
1160	500507.6	3733016	5.79E-03	0.00E+00	5.79E-03	1.01E-03
1161	500509.3	3733025	5.71E-03	0.00E+00	5.71E-03	9.95E-04
1162	500511	3733034	5.63E-03	0.00E+00	5.63E-03	9.81E-04
1163	500512.7	3733044	5.55E-03	0.00E+00	5.55E-03	9.67E-04
1164	500514.4	3733053	5.47E-03	0.00E+00	5.47E-03	9.53E-04
1165	500516.1	3733063	5.38E-03	0.00E+00	5.38E-03	9.38E-04
1166	500321.4	3732779	9.88E-03	0.00E+00	9.88E-03	1.72E-03
1167	500312.3	3732776	1.00E-02	0.00E+00	1.00E-02	1.74E-03
1168	500303.2	3732772	1.01E-02	0.00E+00	1.01E-02	1.77E-03

1169	500294	3732768	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1170	500284.9	3732764	1.03E-02	0.00E+00	1.03E-02	1.80E-03
1171	500275.8	3732760	1.04E-02	0.00E+00	1.04E-02	1.81E-03
1172	500266.6	3732757	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1173	500257.5	3732753	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1174	500248.4	3732749	1.06E-02	0.00E+00	1.06E-02	1.84E-03
1175	500239.3	3732745	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1176	500230.1	3732741	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1177	500193.6	3732726	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1178	500184.5	3732723	1.04E-02	0.00E+00	1.04E-02	1.81E-03
1179	500175.4	3732719	1.03E-02	0.00E+00	1.03E-02	1.80E-03
1180	500166.3	3732715	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1181	500157.1	3732711	1.01E-02	0.00E+00	1.01E-02	1.77E-03
1182	500148	3732707	1.00E-02	0.00E+00	1.00E-02	1.74E-03
1183	500138.9	3732704	9.88E-03	0.00E+00	9.88E-03	1.72E-03
1184	500129.8	3732700	9.73E-03	0.00E+00	9.73E-03	1.70E-03
1185	500120.6	3732696	9.58E-03	0.00E+00	9.58E-03	1.67E-03
1186	500111.5	3732692	9.41E-03	0.00E+00	9.41E-03	1.64E-03
1187	500102.4	3732688	9.24E-03	0.00E+00	9.24E-03	1.61E-03
1188	500093.2	3732685	9.05E-03	0.00E+00	9.05E-03	1.58E-03
1189	500084.1	3732681	8.86E-03	0.00E+00	8.86E-03	1.54E-03
1190	500075	3732677	8.66E-03	0.00E+00	8.66E-03	1.51E-03
1191	500065.9	3732673	8.46E-03	0.00E+00	8.46E-03	1.47E-03
1192	500056.7	3732669	8.25E-03	0.00E+00	8.25E-03	1.44E-03
1193	500047.6	3732666	8.04E-03	0.00E+00	8.04E-03	1.40E-03
1194	500038.5	3732662	7.83E-03	0.00E+00	7.83E-03	1.36E-03
1195	500029.4	3732658	7.61E-03	0.00E+00	7.61E-03	1.33E-03
1196	500020.2	3732654	7.39E-03	0.00E+00	7.39E-03	1.29E-03
1197	500011.1	3732651	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1198	500002	3732647	6.96E-03	0.00E+00	6.96E-03	1.21E-03
1199	499992.9	3732643	6.74E-03	0.00E+00	6.74E-03	1.17E-03
1200	499983.7	3732639	6.53E-03	0.00E+00	6.53E-03	1.14E-03
1201	500340	3732758	9.12E-03	0.00E+00	9.12E-03	1.59E-03
1202	500347.2	3732764	9.08E-03	0.00E+00	9.08E-03	1.58E-03
1203	500354.3	3732771	9.02E-03	0.00E+00	9.02E-03	1.57E-03
1204	500361.5	3732777	8.95E-03	0.00E+00	8.95E-03	1.56E-03
1205	500368.6	3732783	8.87E-03	0.00E+00	8.87E-03	1.54E-03
1206	500375.7	3732790	8.78E-03	0.00E+00	8.78E-03	1.53E-03
1207	500382.9	3732796	8.68E-03	0.00E+00	8.68E-03	1.51E-03
1208	500390	3732802	8.57E-03	0.00E+00	8.57E-03	1.49E-03
1209	500397.1	3732809	8.45E-03	0.00E+00	8.45E-03	1.47E-03
1210	500404.3	3732815	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1211	500411.4	3732821	8.20E-03	0.00E+00	8.20E-03	1.43E-03
1212	500418.6	3732828	8.06E-03	0.00E+00	8.06E-03	1.40E-03
1213	500425.7	3732834	7.92E-03	0.00E+00	7.92E-03	1.38E-03
1214	500432.8	3732840	7.77E-03	0.00E+00	7.77E-03	1.35E-03
1215	500440	3732847	7.61E-03	0.00E+00	7.61E-03	1.33E-03

1216	500447.1	3732853	7.46E-03	0.00E+00	7.46E-03	1.30E-03
1217	500454.2	3732860	7.30E-03	0.00E+00	7.30E-03	1.27E-03
1218	500461.4	3732866	7.14E-03	0.00E+00	7.14E-03	1.24E-03
1219	500468.5	3732872	6.97E-03	0.00E+00	6.97E-03	1.21E-03
1220	500475.7	3732879	6.81E-03	0.00E+00	6.81E-03	1.19E-03
1221	500482.8	3732885	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1222	500489.9	3732891	6.47E-03	0.00E+00	6.47E-03	1.13E-03
1223	500497.1	3732898	6.30E-03	0.00E+00	6.30E-03	1.10E-03
1224	500504.2	3732904	6.14E-03	0.00E+00	6.14E-03	1.07E-03
1225	500511.3	3732910	5.97E-03	0.00E+00	5.97E-03	1.04E-03
1226	500520.2	3732926	5.76E-03	0.00E+00	5.76E-03	1.00E-03
1227	500521.9	3732935	5.70E-03	0.00E+00	5.70E-03	9.93E-04
1228	500523.6	3732945	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1229	500527	3732964	5.52E-03	0.00E+00	5.52E-03	9.62E-04
1230	500528.7	3732973	5.46E-03	0.00E+00	5.46E-03	9.51E-04
1231	500530.4	3732982	5.39E-03	0.00E+00	5.39E-03	9.39E-04
1232	500532.1	3732992	5.32E-03	0.00E+00	5.32E-03	9.27E-04
1233	500533.8	3733001	5.25E-03	0.00E+00	5.25E-03	9.15E-04
1234	500535.5	3733011	5.18E-03	0.00E+00	5.18E-03	9.03E-04
1235	500537.2	3733020	5.11E-03	0.00E+00	5.11E-03	8.91E-04
1236	500538.9	3733029	5.04E-03	0.00E+00	5.04E-03	8.78E-04
1237	500540.6	3733039	4.96E-03	0.00E+00	4.96E-03	8.65E-04
1238	500542.3	3733048	4.89E-03	0.00E+00	4.89E-03	8.52E-04
1239	500544	3733058	4.81E-03	0.00E+00	4.81E-03	8.39E-04
1240	500549.1	3733086	4.59E-03	0.00E+00	4.59E-03	8.00E-04
1241	500555.8	3733123	4.29E-03	0.00E+00	4.29E-03	7.48E-04
1242	500332.9	3732752	9.16E-03	0.00E+00	9.16E-03	1.60E-03
1243	500323.8	3732748	9.27E-03	0.00E+00	9.27E-03	1.62E-03
1244	500314.7	3732744	9.37E-03	0.00E+00	9.37E-03	1.63E-03
1245	500305.5	3732740	9.46E-03	0.00E+00	9.46E-03	1.65E-03
1246	500296.4	3732737	9.54E-03	0.00E+00	9.54E-03	1.66E-03
1247	500287.3	3732733	9.61E-03	0.00E+00	9.61E-03	1.67E-03
1248	500278.2	3732729	9.66E-03	0.00E+00	9.66E-03	1.68E-03
1249	500269	3732725	9.70E-03	0.00E+00	9.70E-03	1.69E-03
1250	500259.9	3732721	9.73E-03	0.00E+00	9.73E-03	1.70E-03
1251	500250.8	3732718	9.74E-03	0.00E+00	9.74E-03	1.70E-03
1252	500241.6	3732714	9.75E-03	0.00E+00	9.75E-03	1.70E-03
1253	500232.5	3732710	9.74E-03	0.00E+00	9.74E-03	1.70E-03
1254	500223.4	3732706	9.71E-03	0.00E+00	9.71E-03	1.69E-03
1255	500186.9	3732691	9.50E-03	0.00E+00	9.50E-03	1.66E-03
1256	500177.8	3732687	9.42E-03	0.00E+00	9.42E-03	1.64E-03
1257	500168.6	3732683	9.32E-03	0.00E+00	9.32E-03	1.62E-03
1258	500159.5	3732680	9.21E-03	0.00E+00	9.21E-03	1.61E-03
1259	500150.4	3732676	9.09E-03	0.00E+00	9.09E-03	1.58E-03
1260	500141.3	3732672	8.97E-03	0.00E+00	8.97E-03	1.56E-03
1261	500132.1	3732668	8.83E-03	0.00E+00	8.83E-03	1.54E-03
1262	500123	3732665	8.68E-03	0.00E+00	8.68E-03	1.51E-03

1263	500113.9	3732661	8.53E-03	0.00E+00	8.53E-03	1.49E-03
1264	500104.8	3732657	8.37E-03	0.00E+00	8.37E-03	1.46E-03
1265	500095.6	3732653	8.20E-03	0.00E+00	8.20E-03	1.43E-03
1266	500086.5	3732649	8.03E-03	0.00E+00	8.03E-03	1.40E-03
1267	500077.4	3732646	7.85E-03	0.00E+00	7.85E-03	1.37E-03
1268	500068.3	3732642	7.67E-03	0.00E+00	7.67E-03	1.34E-03
1269	500059.1	3732638	7.49E-03	0.00E+00	7.49E-03	1.30E-03
1270	500050	3732634	7.30E-03	0.00E+00	7.30E-03	1.27E-03
1271	500040.9	3732630	7.11E-03	0.00E+00	7.11E-03	1.24E-03
1272	500031.7	3732627	6.92E-03	0.00E+00	6.92E-03	1.21E-03
1273	500022.6	3732623	6.73E-03	0.00E+00	6.73E-03	1.17E-03
1274	500013.5	3732619	6.53E-03	0.00E+00	6.53E-03	1.14E-03
1275	500004.4	3732615	6.34E-03	0.00E+00	6.34E-03	1.11E-03
1276	499995.2	3732611	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1277	500351.6	3732730	8.50E-03	0.00E+00	8.50E-03	1.48E-03
1278	500358.7	3732737	8.46E-03	0.00E+00	8.46E-03	1.47E-03
1279	500365.9	3732743	8.41E-03	0.00E+00	8.41E-03	1.46E-03
1280	500373	3732749	8.35E-03	0.00E+00	8.35E-03	1.45E-03
1281	500380.2	3732756	8.28E-03	0.00E+00	8.28E-03	1.44E-03
1282	500387.3	3732762	8.21E-03	0.00E+00	8.21E-03	1.43E-03
1283	500394.5	3732768	8.13E-03	0.00E+00	8.13E-03	1.42E-03
1284	500401.6	3732775	8.04E-03	0.00E+00	8.04E-03	1.40E-03
1285	500408.8	3732781	7.94E-03	0.00E+00	7.94E-03	1.38E-03
1286	500415.9	3732788	7.83E-03	0.00E+00	7.83E-03	1.36E-03
1287	500423.1	3732794	7.72E-03	0.00E+00	7.72E-03	1.34E-03
1288	500430.2	3732800	7.60E-03	0.00E+00	7.60E-03	1.32E-03
1289	500437.4	3732807	7.47E-03	0.00E+00	7.47E-03	1.30E-03
1290	500444.5	3732813	7.34E-03	0.00E+00	7.34E-03	1.28E-03
1291	500451.7	3732819	7.21E-03	0.00E+00	7.21E-03	1.26E-03
1292	500458.8	3732826	7.07E-03	0.00E+00	7.07E-03	1.23E-03
1293	500466	3732832	6.93E-03	0.00E+00	6.93E-03	1.21E-03
1294	500473.1	3732838	6.79E-03	0.00E+00	6.79E-03	1.18E-03
1295	500480.3	3732845	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1296	500487.4	3732851	6.50E-03	0.00E+00	6.50E-03	1.13E-03
1297	500494.6	3732857	6.35E-03	0.00E+00	6.35E-03	1.11E-03
1298	500501.7	3732864	6.20E-03	0.00E+00	6.20E-03	1.08E-03
1299	500508.9	3732870	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1300	500516	3732876	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1301	500523.2	3732883	5.75E-03	0.00E+00	5.75E-03	1.00E-03
1302	500530.3	3732889	5.60E-03	0.00E+00	5.60E-03	9.75E-04
1303	500537.5	3732896	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1304	500546.3	3732911	5.25E-03	0.00E+00	5.25E-03	9.15E-04
1305	500548	3732921	5.20E-03	0.00E+00	5.20E-03	9.06E-04
1306	500549.7	3732930	5.15E-03	0.00E+00	5.15E-03	8.97E-04
1307	500556.6	3732968	4.92E-03	0.00E+00	4.92E-03	8.57E-04
1308	500558.3	3732977	4.86E-03	0.00E+00	4.86E-03	8.46E-04
1309	500560	3732987	4.79E-03	0.00E+00	4.79E-03	8.35E-04

1310	500561.7	3732996	4.73E-03	0.00E+00	4.73E-03	8.24E-04
1311	500563.4	3733005	4.66E-03	0.00E+00	4.66E-03	8.13E-04
1312	500565.1	3733015	4.60E-03	0.00E+00	4.60E-03	8.01E-04
1313	500566.8	3733024	4.53E-03	0.00E+00	4.53E-03	7.89E-04
1314	500568.5	3733034	4.46E-03	0.00E+00	4.46E-03	7.78E-04
1315	500570.2	3733043	4.40E-03	0.00E+00	4.40E-03	7.66E-04
1316	500571.9	3733053	4.33E-03	0.00E+00	4.33E-03	7.54E-04
1317	500573.6	3733062	4.26E-03	0.00E+00	4.26E-03	7.42E-04
1318	500575.3	3733071	4.19E-03	0.00E+00	4.19E-03	7.31E-04
1319	500577	3733081	4.13E-03	0.00E+00	4.13E-03	7.19E-04
1320	500578.7	3733090	4.06E-03	0.00E+00	4.06E-03	7.07E-04
1321	500580.4	3733100	3.99E-03	0.00E+00	3.99E-03	6.96E-04
1322	500583.8	3733118	3.86E-03	0.00E+00	3.86E-03	6.73E-04
1323	500585.5	3733128	3.80E-03	0.00E+00	3.80E-03	6.62E-04
1324	500590.6	3733156	3.61E-03	0.00E+00	3.61E-03	6.30E-04
1325	500344.4	3732724	8.52E-03	0.00E+00	8.52E-03	1.49E-03
1326	500335.3	3732720	8.62E-03	0.00E+00	8.62E-03	1.50E-03
1327	500326.2	3732716	8.70E-03	0.00E+00	8.70E-03	1.52E-03
1328	500317	3732713	8.77E-03	0.00E+00	8.77E-03	1.53E-03
1329	500307.9	3732709	8.84E-03	0.00E+00	8.84E-03	1.54E-03
1330	500298.8	3732705	8.89E-03	0.00E+00	8.89E-03	1.55E-03
1331	500289.7	3732701	8.94E-03	0.00E+00	8.94E-03	1.56E-03
1332	500280.5	3732697	8.97E-03	0.00E+00	8.97E-03	1.56E-03
1333	500271.4	3732694	8.99E-03	0.00E+00	8.99E-03	1.57E-03
1334	500262.3	3732690	9.00E-03	0.00E+00	9.00E-03	1.57E-03
1335	500253.2	3732686	9.00E-03	0.00E+00	9.00E-03	1.57E-03
1336	500244	3732682	8.99E-03	0.00E+00	8.99E-03	1.57E-03
1337	500234.9	3732679	8.97E-03	0.00E+00	8.97E-03	1.56E-03
1338	500225.8	3732675	8.93E-03	0.00E+00	8.93E-03	1.56E-03
1339	500189.3	3732660	8.69E-03	0.00E+00	8.69E-03	1.51E-03
1340	500180.1	3732656	8.61E-03	0.00E+00	8.61E-03	1.50E-03
1341	500171	3732652	8.51E-03	0.00E+00	8.51E-03	1.48E-03
1342	500161.9	3732648	8.41E-03	0.00E+00	8.41E-03	1.47E-03
1343	500152.8	3732644	8.30E-03	0.00E+00	8.30E-03	1.45E-03
1344	500143.6	3732641	8.18E-03	0.00E+00	8.18E-03	1.42E-03
1345	500134.5	3732637	8.05E-03	0.00E+00	8.05E-03	1.40E-03
1346	500125.4	3732633	7.91E-03	0.00E+00	7.91E-03	1.38E-03
1347	500116.3	3732629	7.77E-03	0.00E+00	7.77E-03	1.35E-03
1348	500107.1	3732625	7.62E-03	0.00E+00	7.62E-03	1.33E-03
1349	500098	3732622	7.47E-03	0.00E+00	7.47E-03	1.30E-03
1350	500088.9	3732618	7.32E-03	0.00E+00	7.32E-03	1.27E-03
1351	500079.8	3732614	7.16E-03	0.00E+00	7.16E-03	1.25E-03
1352	500070.6	3732610	6.99E-03	0.00E+00	6.99E-03	1.22E-03
1353	500061.5	3732606	6.83E-03	0.00E+00	6.83E-03	1.19E-03
1354	500052.4	3732603	6.66E-03	0.00E+00	6.66E-03	1.16E-03
1355	500043.3	3732599	6.49E-03	0.00E+00	6.49E-03	1.13E-03
1356	500034.1	3732595	6.32E-03	0.00E+00	6.32E-03	1.10E-03

1357	500025	3732591	6.15E-03	0.00E+00	6.15E-03	1.07E-03
1358	500015.9	3732588	5.99E-03	0.00E+00	5.99E-03	1.04E-03
1359	500006.8	3732584	5.82E-03	0.00E+00	5.82E-03	1.01E-03
1360	500363.1	3732703	7.93E-03	0.00E+00	7.93E-03	1.38E-03
1361	500370.3	3732709	7.90E-03	0.00E+00	7.90E-03	1.38E-03
1362	500377.4	3732715	7.86E-03	0.00E+00	7.86E-03	1.37E-03
1363	500384.6	3732722	7.81E-03	0.00E+00	7.81E-03	1.36E-03
1364	500391.7	3732728	7.76E-03	0.00E+00	7.76E-03	1.35E-03
1365	500398.9	3732734	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1366	500406.1	3732741	7.63E-03	0.00E+00	7.63E-03	1.33E-03
1367	500413.2	3732747	7.55E-03	0.00E+00	7.55E-03	1.32E-03
1368	500420.4	3732754	7.47E-03	0.00E+00	7.47E-03	1.30E-03
1369	500427.6	3732760	7.37E-03	0.00E+00	7.37E-03	1.28E-03
1370	500434.7	3732766	7.28E-03	0.00E+00	7.28E-03	1.27E-03
1371	500441.9	3732773	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1372	500449	3732779	7.07E-03	0.00E+00	7.07E-03	1.23E-03
1373	500456.2	3732785	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1374	500463.4	3732792	6.84E-03	0.00E+00	6.84E-03	1.19E-03
1375	500470.5	3732798	6.72E-03	0.00E+00	6.72E-03	1.17E-03
1376	500477.7	3732804	6.59E-03	0.00E+00	6.59E-03	1.15E-03
1377	500484.9	3732811	6.47E-03	0.00E+00	6.47E-03	1.13E-03
1378	500492	3732817	6.34E-03	0.00E+00	6.34E-03	1.10E-03
1379	500499.2	3732824	6.21E-03	0.00E+00	6.21E-03	1.08E-03
1380	500506.3	3732830	6.07E-03	0.00E+00	6.07E-03	1.06E-03
1381	500513.5	3732836	5.94E-03	0.00E+00	5.94E-03	1.03E-03
1382	500520.7	3732843	5.80E-03	0.00E+00	5.80E-03	1.01E-03
1383	500527.8	3732849	5.67E-03	0.00E+00	5.67E-03	9.87E-04
1384	500535	3732855	5.53E-03	0.00E+00	5.53E-03	9.64E-04
1385	500542.2	3732862	5.39E-03	0.00E+00	5.39E-03	9.40E-04
1386	500549.3	3732868	5.26E-03	0.00E+00	5.26E-03	9.16E-04
1387	500556.5	3732874	5.12E-03	0.00E+00	5.12E-03	8.93E-04
1388	500563.6	3732881	4.99E-03	0.00E+00	4.99E-03	8.70E-04
1389	500572.5	3732897	4.81E-03	0.00E+00	4.81E-03	8.39E-04
1390	500574.2	3732906	4.76E-03	0.00E+00	4.76E-03	8.30E-04
1391	500575.9	3732916	4.72E-03	0.00E+00	4.72E-03	8.22E-04
1392	500577.6	3732925	4.66E-03	0.00E+00	4.66E-03	8.13E-04
1393	500579.3	3732934	4.61E-03	0.00E+00	4.61E-03	8.04E-04
1394	500584.4	3732963	4.45E-03	0.00E+00	4.45E-03	7.75E-04
1395	500586.1	3732972	4.39E-03	0.00E+00	4.39E-03	7.65E-04
1396	500587.8	3732982	4.33E-03	0.00E+00	4.33E-03	7.55E-04
1397	500589.6	3732991	4.27E-03	0.00E+00	4.27E-03	7.44E-04
1398	500591.3	3733000	4.21E-03	0.00E+00	4.21E-03	7.34E-04
1399	500593	3733010	4.15E-03	0.00E+00	4.15E-03	7.24E-04
1400	500594.7	3733019	4.09E-03	0.00E+00	4.09E-03	7.13E-04
1401	500596.4	3733029	4.03E-03	0.00E+00	4.03E-03	7.03E-04
1402	500598.1	3733038	3.97E-03	0.00E+00	3.97E-03	6.92E-04
1403	500599.8	3733048	3.91E-03	0.00E+00	3.91E-03	6.81E-04

1404	500601.5	3733057	3.85E-03	0.00E+00	3.85E-03	6.71E-04
1405	500603.2	3733066	3.79E-03	0.00E+00	3.79E-03	6.60E-04
1406	500604.9	3733076	3.73E-03	0.00E+00	3.73E-03	6.50E-04
1407	500606.6	3733085	3.67E-03	0.00E+00	3.67E-03	6.40E-04
1408	500608.3	3733095	3.61E-03	0.00E+00	3.61E-03	6.29E-04
1409	500610	3733104	3.55E-03	0.00E+00	3.55E-03	6.19E-04
1410	500611.7	3733114	3.50E-03	0.00E+00	3.50E-03	6.09E-04
1411	500613.4	3733123	3.44E-03	0.00E+00	3.44E-03	5.99E-04
1412	500615.1	3733132	3.38E-03	0.00E+00	3.38E-03	5.90E-04
1413	500616.8	3733142	3.33E-03	0.00E+00	3.33E-03	5.80E-04
1414	500618.5	3733151	3.28E-03	0.00E+00	3.28E-03	5.71E-04
1415	500355.9	3732696	7.95E-03	0.00E+00	7.95E-03	1.39E-03
1416	500346.8	3732692	8.03E-03	0.00E+00	8.03E-03	1.40E-03
1417	500337.7	3732689	8.10E-03	0.00E+00	8.10E-03	1.41E-03
1418	500328.6	3732685	8.16E-03	0.00E+00	8.16E-03	1.42E-03
1419	500319.4	3732681	8.22E-03	0.00E+00	8.22E-03	1.43E-03
1420	500310.3	3732677	8.26E-03	0.00E+00	8.26E-03	1.44E-03
1421	500301.2	3732674	8.30E-03	0.00E+00	8.30E-03	1.45E-03
1422	500292	3732670	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1423	500282.9	3732666	8.34E-03	0.00E+00	8.34E-03	1.45E-03
1424	500273.8	3732662	8.35E-03	0.00E+00	8.35E-03	1.45E-03
1425	500264.7	3732658	8.35E-03	0.00E+00	8.35E-03	1.45E-03
1426	500255.5	3732655	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1427	500246.4	3732651	8.31E-03	0.00E+00	8.31E-03	1.45E-03
1428	500237.3	3732647	8.28E-03	0.00E+00	8.28E-03	1.44E-03
1429	500228.2	3732643	8.24E-03	0.00E+00	8.24E-03	1.44E-03
1430	500191.7	3732628	7.98E-03	0.00E+00	7.98E-03	1.39E-03
1431	500182.5	3732624	7.90E-03	0.00E+00	7.90E-03	1.38E-03
1432	500173.4	3732620	7.81E-03	0.00E+00	7.81E-03	1.36E-03
1433	500045.6	3732567	5.96E-03	0.00E+00	5.96E-03	1.04E-03
1434	500036.5	3732564	5.81E-03	0.00E+00	5.81E-03	1.01E-03
1435	500027.4	3732560	5.66E-03	0.00E+00	5.66E-03	9.86E-04
1436	500018.3	3732556	5.51E-03	0.00E+00	5.51E-03	9.60E-04
1437	500374.6	3732675	7.43E-03	0.00E+00	7.43E-03	1.29E-03
1438	500381.8	3732681	7.40E-03	0.00E+00	7.40E-03	1.29E-03
1439	500389	3732688	7.37E-03	0.00E+00	7.37E-03	1.28E-03
1440	500396.1	3732694	7.33E-03	0.00E+00	7.33E-03	1.28E-03
1441	500403.3	3732700	7.29E-03	0.00E+00	7.29E-03	1.27E-03
1442	500410.5	3732707	7.23E-03	0.00E+00	7.23E-03	1.26E-03
1443	500417.6	3732713	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1444	500424.8	3732720	7.11E-03	0.00E+00	7.11E-03	1.24E-03
1445	500432	3732726	7.03E-03	0.00E+00	7.03E-03	1.23E-03
1446	500439.2	3732732	6.96E-03	0.00E+00	6.96E-03	1.21E-03
1447	500446.3	3732739	6.87E-03	0.00E+00	6.87E-03	1.20E-03
1448	500453.5	3732745	6.78E-03	0.00E+00	6.78E-03	1.18E-03
1449	500460.7	3732751	6.69E-03	0.00E+00	6.69E-03	1.17E-03
1450	500467.9	3732758	6.59E-03	0.00E+00	6.59E-03	1.15E-03

1451	500475	3732764	6.49E-03	0.00E+00	6.49E-03	1.13E-03
1452	500482.2	3732771	6.39E-03	0.00E+00	6.39E-03	1.11E-03
1453	500489.4	3732777	6.28E-03	0.00E+00	6.28E-03	1.09E-03
1454	500496.5	3732783	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1455	500503.7	3732790	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1456	500510.9	3732796	5.93E-03	0.00E+00	5.93E-03	1.03E-03
1457	500518.1	3732802	5.81E-03	0.00E+00	5.81E-03	1.01E-03
1458	500525.2	3732809	5.69E-03	0.00E+00	5.69E-03	9.92E-04
1459	500532.4	3732815	5.57E-03	0.00E+00	5.57E-03	9.70E-04
1460	500539.6	3732822	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1461	500546.8	3732828	5.32E-03	0.00E+00	5.32E-03	9.28E-04
1462	500553.9	3732834	5.20E-03	0.00E+00	5.20E-03	9.06E-04
1463	500561.1	3732841	5.08E-03	0.00E+00	5.08E-03	8.85E-04
1464	500568.3	3732847	4.95E-03	0.00E+00	4.95E-03	8.63E-04
1465	500575.4	3732853	4.83E-03	0.00E+00	4.83E-03	8.41E-04
1466	500582.6	3732860	4.71E-03	0.00E+00	4.71E-03	8.20E-04
1467	500589.8	3732866	4.59E-03	0.00E+00	4.59E-03	7.99E-04
1468	500598.7	3732882	4.43E-03	0.00E+00	4.43E-03	7.71E-04
1469	500600.4	3732891	4.38E-03	0.00E+00	4.38E-03	7.63E-04
1470	500602.1	3732901	4.34E-03	0.00E+00	4.34E-03	7.56E-04
1471	500603.8	3732910	4.29E-03	0.00E+00	4.29E-03	7.47E-04
1472	500605.5	3732920	4.24E-03	0.00E+00	4.24E-03	7.39E-04
1473	500607.2	3732929	4.19E-03	0.00E+00	4.19E-03	7.30E-04
1474	500614	3732967	3.99E-03	0.00E+00	3.99E-03	6.95E-04
1475	500615.7	3732976	3.93E-03	0.00E+00	3.93E-03	6.85E-04
1476	500617.4	3732986	3.88E-03	0.00E+00	3.88E-03	6.76E-04
1477	500619.1	3732995	3.83E-03	0.00E+00	3.83E-03	6.66E-04
1478	500620.9	3733005	3.77E-03	0.00E+00	3.77E-03	6.57E-04
1479	500622.6	3733014	3.72E-03	0.00E+00	3.72E-03	6.47E-04
1480	500624.3	3733024	3.66E-03	0.00E+00	3.66E-03	6.38E-04
1481	500626	3733033	3.61E-03	0.00E+00	3.61E-03	6.28E-04
1482	500627.7	3733042	3.55E-03	0.00E+00	3.55E-03	6.19E-04
1483	500629.4	3733052	3.50E-03	0.00E+00	3.50E-03	6.09E-04
1484	500631.1	3733061	3.44E-03	0.00E+00	3.44E-03	6.00E-04
1485	500632.8	3733071	3.39E-03	0.00E+00	3.39E-03	5.91E-04
1486	500634.5	3733080	3.34E-03	0.00E+00	3.34E-03	5.82E-04
1487	500636.2	3733090	3.29E-03	0.00E+00	3.29E-03	5.72E-04
1488	500637.9	3733099	3.23E-03	0.00E+00	3.23E-03	5.63E-04
1489	500639.6	3733109	3.18E-03	0.00E+00	3.18E-03	5.55E-04
1490	500641.3	3733118	3.13E-03	0.00E+00	3.13E-03	5.46E-04
1491	500643	3733127	3.08E-03	0.00E+00	3.08E-03	5.37E-04
1492	500644.8	3733137	3.04E-03	0.00E+00	3.04E-03	5.29E-04
1493	500646.5	3733146	2.99E-03	0.00E+00	2.99E-03	5.21E-04
1494	500648.2	3733156	2.94E-03	0.00E+00	2.94E-03	5.13E-04
1495	500649.9	3733165	2.90E-03	0.00E+00	2.90E-03	5.05E-04
1496	500367.4	3732669	7.44E-03	0.00E+00	7.44E-03	1.30E-03
1497	500358.3	3732665	7.51E-03	0.00E+00	7.51E-03	1.31E-03

1498	500349.2	3732661	7.57E-03	0.00E+00	7.57E-03	1.32E-03
1499	500340.1	3732657	7.62E-03	0.00E+00	7.62E-03	1.33E-03
1500	500330.9	3732653	7.66E-03	0.00E+00	7.66E-03	1.34E-03
1501	500321.8	3732650	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1502	500312.7	3732646	7.73E-03	0.00E+00	7.73E-03	1.35E-03
1503	500303.6	3732642	7.75E-03	0.00E+00	7.75E-03	1.35E-03
1504	500294.4	3732638	7.76E-03	0.00E+00	7.76E-03	1.35E-03
1505	500285.3	3732634	7.77E-03	0.00E+00	7.77E-03	1.35E-03
1506	500276.2	3732631	7.76E-03	0.00E+00	7.76E-03	1.35E-03
1507	500194	3732597	7.35E-03	0.00E+00	7.35E-03	1.28E-03
1508	500184.9	3732593	7.27E-03	0.00E+00	7.27E-03	1.27E-03
1509	500175.8	3732589	7.18E-03	0.00E+00	7.18E-03	1.25E-03
1510	500166.7	3732585	7.09E-03	0.00E+00	7.09E-03	1.23E-03
1511	500157.5	3732581	6.99E-03	0.00E+00	6.99E-03	1.22E-03
1512	500148.4	3732578	6.88E-03	0.00E+00	6.88E-03	1.20E-03
1513	500139.3	3732574	6.77E-03	0.00E+00	6.77E-03	1.18E-03
1514	500130.2	3732570	6.65E-03	0.00E+00	6.65E-03	1.16E-03
1515	500121	3732566	6.53E-03	0.00E+00	6.53E-03	1.14E-03
1516	500111.9	3732562	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1517	500102.8	3732559	6.29E-03	0.00E+00	6.29E-03	1.10E-03
1518	500093.7	3732555	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1519	500084.5	3732551	6.03E-03	0.00E+00	6.03E-03	1.05E-03
1520	500075.4	3732547	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1521	500066.3	3732543	5.76E-03	0.00E+00	5.76E-03	1.00E-03
1522	500057.1	3732540	5.63E-03	0.00E+00	5.63E-03	9.81E-04
1523	500048	3732536	5.49E-03	0.00E+00	5.49E-03	9.57E-04
1524	500386.1	3732647	6.97E-03	0.00E+00	6.97E-03	1.21E-03
1525	500393.3	3732654	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1526	500400.5	3732660	6.92E-03	0.00E+00	6.92E-03	1.21E-03
1527	500407.7	3732666	6.89E-03	0.00E+00	6.89E-03	1.20E-03
1528	500414.9	3732673	6.85E-03	0.00E+00	6.85E-03	1.19E-03
1529	500422	3732679	6.81E-03	0.00E+00	6.81E-03	1.19E-03
1530	500429.2	3732686	6.76E-03	0.00E+00	6.76E-03	1.18E-03
1531	500436.4	3732692	6.70E-03	0.00E+00	6.70E-03	1.17E-03
1532	500443.6	3732698	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1533	500450.8	3732705	6.57E-03	0.00E+00	6.57E-03	1.15E-03
1534	500457.9	3732711	6.50E-03	0.00E+00	6.50E-03	1.13E-03
1535	500465.1	3732717	6.43E-03	0.00E+00	6.43E-03	1.12E-03
1536	500472.3	3732724	6.34E-03	0.00E+00	6.34E-03	1.11E-03
1537	500479.5	3732730	6.26E-03	0.00E+00	6.26E-03	1.09E-03
1538	500486.7	3732737	6.17E-03	0.00E+00	6.17E-03	1.07E-03
1539	500493.9	3732743	6.08E-03	0.00E+00	6.08E-03	1.06E-03
1540	500501	3732749	5.98E-03	0.00E+00	5.98E-03	1.04E-03
1541	500508.2	3732756	5.88E-03	0.00E+00	5.88E-03	1.02E-03
1542	500515.4	3732762	5.78E-03	0.00E+00	5.78E-03	1.01E-03
1543	500522.6	3732769	5.67E-03	0.00E+00	5.67E-03	9.88E-04
1544	500529.8	3732775	5.57E-03	0.00E+00	5.57E-03	9.70E-04

1545	500536.9	3732781	5.46E-03	0.00E+00	5.46E-03	9.51E-04
1546	500544.1	3732788	5.35E-03	0.00E+00	5.35E-03	9.32E-04
1547	500551.3	3732794	5.24E-03	0.00E+00	5.24E-03	9.12E-04
1548	500558.5	3732800	5.13E-03	0.00E+00	5.13E-03	8.93E-04
1549	500565.7	3732807	5.01E-03	0.00E+00	5.01E-03	8.73E-04
1550	500572.8	3732813	4.90E-03	0.00E+00	4.90E-03	8.54E-04
1551	500580	3732820	4.79E-03	0.00E+00	4.79E-03	8.34E-04
1552	500587.2	3732826	4.67E-03	0.00E+00	4.67E-03	8.14E-04
1553	500594.4	3732832	4.56E-03	0.00E+00	4.56E-03	7.95E-04
1554	500601.6	3732839	4.45E-03	0.00E+00	4.45E-03	7.75E-04
1555	500608.8	3732845	4.34E-03	0.00E+00	4.34E-03	7.56E-04
1556	500615.9	3732851	4.23E-03	0.00E+00	4.23E-03	7.38E-04
1557	500624.8	3732867	4.09E-03	0.00E+00	4.09E-03	7.12E-04
1558	500626.5	3732877	4.05E-03	0.00E+00	4.05E-03	7.05E-04
1559	500628.2	3732886	4.00E-03	0.00E+00	4.00E-03	6.98E-04
1560	500630	3732896	3.96E-03	0.00E+00	3.96E-03	6.90E-04
1561	500631.7	3732905	3.92E-03	0.00E+00	3.92E-03	6.82E-04
1562	500633.4	3732915	3.87E-03	0.00E+00	3.87E-03	6.74E-04
1563	500635.1	3732924	3.82E-03	0.00E+00	3.82E-03	6.66E-04
1564	500636.8	3732933	3.78E-03	0.00E+00	3.78E-03	6.58E-04
1565	500641.9	3732962	3.63E-03	0.00E+00	3.63E-03	6.33E-04
1566	500643.6	3732971	3.59E-03	0.00E+00	3.59E-03	6.25E-04
1567	500645.3	3732981	3.54E-03	0.00E+00	3.54E-03	6.16E-04
1568	500647	3732990	3.49E-03	0.00E+00	3.49E-03	6.08E-04
1569	500648.8	3733000	3.44E-03	0.00E+00	3.44E-03	5.99E-04
1570	500650.5	3733009	3.39E-03	0.00E+00	3.39E-03	5.90E-04
1571	500652.2	3733019	3.34E-03	0.00E+00	3.34E-03	5.82E-04
1572	500653.9	3733028	3.29E-03	0.00E+00	3.29E-03	5.73E-04
1573	500655.6	3733037	3.24E-03	0.00E+00	3.24E-03	5.65E-04
1574	500657.3	3733047	3.19E-03	0.00E+00	3.19E-03	5.56E-04
1575	500659	3733056	3.14E-03	0.00E+00	3.14E-03	5.48E-04
1576	500660.7	3733066	3.10E-03	0.00E+00	3.10E-03	5.39E-04
1577	500662.4	3733075	3.05E-03	0.00E+00	3.05E-03	5.31E-04
1578	500664.1	3733085	3.00E-03	0.00E+00	3.00E-03	5.23E-04
1579	500665.8	3733094	2.96E-03	0.00E+00	2.96E-03	5.15E-04
1580	500667.6	3733104	2.91E-03	0.00E+00	2.91E-03	5.07E-04
1581	500669.3	3733113	2.87E-03	0.00E+00	2.87E-03	4.99E-04
1582	500671	3733123	2.82E-03	0.00E+00	2.82E-03	4.92E-04
1583	500672.7	3733132	2.78E-03	0.00E+00	2.78E-03	4.84E-04
1584	500674.4	3733141	2.74E-03	0.00E+00	2.74E-03	4.77E-04
1585	500676.1	3733151	2.70E-03	0.00E+00	2.70E-03	4.70E-04
1586	500677.8	3733160	2.66E-03	0.00E+00	2.66E-03	4.63E-04
1587	500679.5	3733170	2.62E-03	0.00E+00	2.62E-03	4.56E-04
1588	500378.9	3732641	6.98E-03	0.00E+00	6.98E-03	1.22E-03
1589	500369.8	3732637	7.04E-03	0.00E+00	7.04E-03	1.23E-03
1590	500360.7	3732633	7.09E-03	0.00E+00	7.09E-03	1.23E-03
1591	500351.6	3732630	7.13E-03	0.00E+00	7.13E-03	1.24E-03

1592	500342.4	3732626	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1593	500333.3	3732622	7.20E-03	0.00E+00	7.20E-03	1.25E-03
1594	500296.8	3732607	7.25E-03	0.00E+00	7.25E-03	1.26E-03
1595	500287.7	3732603	7.24E-03	0.00E+00	7.24E-03	1.26E-03
1596	500278.6	3732599	7.23E-03	0.00E+00	7.23E-03	1.26E-03
1597	500269.4	3732595	7.21E-03	0.00E+00	7.21E-03	1.26E-03
1598	500260.3	3732592	7.18E-03	0.00E+00	7.18E-03	1.25E-03
1599	500251.2	3732588	7.15E-03	0.00E+00	7.15E-03	1.25E-03
1600	500242.1	3732584	7.10E-03	0.00E+00	7.10E-03	1.24E-03
1601	500232.9	3732580	7.06E-03	0.00E+00	7.06E-03	1.23E-03
1602	500187.3	3732561	6.71E-03	0.00E+00	6.71E-03	1.17E-03
1603	500178.2	3732557	6.63E-03	0.00E+00	6.63E-03	1.15E-03
1604	500169	3732554	6.54E-03	0.00E+00	6.54E-03	1.14E-03
1605	500159.9	3732550	6.44E-03	0.00E+00	6.44E-03	1.12E-03
1606	500150.8	3732546	6.35E-03	0.00E+00	6.35E-03	1.11E-03
1607	500141.7	3732542	6.24E-03	0.00E+00	6.24E-03	1.09E-03
1608	500132.5	3732539	6.14E-03	0.00E+00	6.14E-03	1.07E-03
1609	500123.4	3732535	6.03E-03	0.00E+00	6.03E-03	1.05E-03
1610	500114.3	3732531	5.92E-03	0.00E+00	5.92E-03	1.03E-03
1611	500105.2	3732527	5.80E-03	0.00E+00	5.80E-03	1.01E-03
1612	500096	3732523	5.68E-03	0.00E+00	5.68E-03	9.90E-04
1613	500086.9	3732520	5.57E-03	0.00E+00	5.57E-03	9.70E-04
1614	500077.8	3732516	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1615	500068.7	3732512	5.33E-03	0.00E+00	5.33E-03	9.28E-04
1616	500059.5	3732508	5.21E-03	0.00E+00	5.21E-03	9.07E-04
1617	500050.4	3732504	5.09E-03	0.00E+00	5.09E-03	8.86E-04
1618	500041.3	3732501	4.97E-03	0.00E+00	4.97E-03	8.65E-04
1619	500401.6	3732610	6.42E-03	0.00E+00	6.42E-03	1.12E-03
1620	500408.9	3732617	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1621	500416.3	3732623	6.39E-03	0.00E+00	6.39E-03	1.11E-03
1622	500423.6	3732630	6.36E-03	0.00E+00	6.36E-03	1.11E-03
1623	500430.9	3732636	6.33E-03	0.00E+00	6.33E-03	1.10E-03
1624	500438.2	3732643	6.30E-03	0.00E+00	6.30E-03	1.10E-03
1625	500445.6	3732650	6.26E-03	0.00E+00	6.26E-03	1.09E-03
1626	500452.9	3732656	6.21E-03	0.00E+00	6.21E-03	1.08E-03
1627	500460.2	3732663	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1628	500467.5	3732669	6.10E-03	0.00E+00	6.10E-03	1.06E-03
1629	500474.9	3732676	6.04E-03	0.00E+00	6.04E-03	1.05E-03
1630	500482.2	3732682	5.97E-03	0.00E+00	5.97E-03	1.04E-03
1631	500489.5	3732689	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1632	500496.8	3732695	5.83E-03	0.00E+00	5.83E-03	1.02E-03
1633	500504.2	3732702	5.75E-03	0.00E+00	5.75E-03	1.00E-03
1634	500511.5	3732708	5.67E-03	0.00E+00	5.67E-03	9.88E-04
1635	500518.8	3732715	5.59E-03	0.00E+00	5.59E-03	9.73E-04
1636	500526.1	3732721	5.50E-03	0.00E+00	5.50E-03	9.58E-04
1637	500533.5	3732728	5.41E-03	0.00E+00	5.41E-03	9.42E-04
1638	500540.8	3732734	5.32E-03	0.00E+00	5.32E-03	9.26E-04

1639	500548.1	3732741	5.22E-03	0.00E+00	5.22E-03	9.10E-04
1640	500555.4	3732747	5.13E-03	0.00E+00	5.13E-03	8.93E-04
1641	500562.8	3732754	5.03E-03	0.00E+00	5.03E-03	8.76E-04
1642	500570.1	3732760	4.93E-03	0.00E+00	4.93E-03	8.59E-04
1643	500577.4	3732767	4.83E-03	0.00E+00	4.83E-03	8.41E-04
1644	500584.7	3732773	4.72E-03	0.00E+00	4.72E-03	8.23E-04
1645	500592.1	3732780	4.62E-03	0.00E+00	4.62E-03	8.05E-04
1646	500599.4	3732786	4.52E-03	0.00E+00	4.52E-03	7.88E-04
1647	500606.7	3732793	4.42E-03	0.00E+00	4.42E-03	7.70E-04
1648	500614	3732799	4.32E-03	0.00E+00	4.32E-03	7.52E-04
1649	500621.4	3732806	4.22E-03	0.00E+00	4.22E-03	7.35E-04
1650	500628.7	3732812	4.12E-03	0.00E+00	4.12E-03	7.18E-04
1651	500636	3732819	4.02E-03	0.00E+00	4.02E-03	7.00E-04
1652	500643.3	3732825	3.92E-03	0.00E+00	3.92E-03	6.83E-04
1653	500650.7	3732832	3.82E-03	0.00E+00	3.82E-03	6.66E-04
1654	500659.7	3732848	3.69E-03	0.00E+00	3.69E-03	6.43E-04
1655	500661.5	3732858	3.65E-03	0.00E+00	3.65E-03	6.37E-04
1656	500663.2	3732867	3.62E-03	0.00E+00	3.62E-03	6.30E-04
1657	500665	3732877	3.58E-03	0.00E+00	3.58E-03	6.23E-04
1658	500666.7	3732886	3.54E-03	0.00E+00	3.54E-03	6.16E-04
1659	500668.5	3732896	3.49E-03	0.00E+00	3.49E-03	6.09E-04
1660	500670.2	3732906	3.45E-03	0.00E+00	3.45E-03	6.02E-04
1661	500671.9	3732915	3.41E-03	0.00E+00	3.41E-03	5.94E-04
1662	500673.7	3732925	3.37E-03	0.00E+00	3.37E-03	5.87E-04
1663	500675.4	3732935	3.32E-03	0.00E+00	3.32E-03	5.79E-04
1664	500680.7	3732964	3.19E-03	0.00E+00	3.19E-03	5.56E-04
1665	500682.4	3732973	3.15E-03	0.00E+00	3.15E-03	5.49E-04
1666	500684.1	3732983	3.10E-03	0.00E+00	3.10E-03	5.41E-04
1667	500685.9	3732993	3.06E-03	0.00E+00	3.06E-03	5.33E-04
1668	500687.6	3733002	3.02E-03	0.00E+00	3.02E-03	5.25E-04
1669	500689.4	3733012	2.97E-03	0.00E+00	2.97E-03	5.18E-04
1670	500691.1	3733021	2.93E-03	0.00E+00	2.93E-03	5.10E-04
1671	500692.9	3733031	2.88E-03	0.00E+00	2.88E-03	5.03E-04
1672	500694.6	3733041	2.84E-03	0.00E+00	2.84E-03	4.95E-04
1673	500696.3	3733050	2.80E-03	0.00E+00	2.80E-03	4.88E-04
1674	500698.1	3733060	2.76E-03	0.00E+00	2.76E-03	4.80E-04
1675	500699.8	3733070	2.72E-03	0.00E+00	2.72E-03	4.73E-04
1676	500701.6	3733079	2.67E-03	0.00E+00	2.67E-03	4.66E-04
1677	500703.3	3733089	2.63E-03	0.00E+00	2.63E-03	4.59E-04
1678	500705.1	3733099	2.60E-03	0.00E+00	2.60E-03	4.52E-04
1679	500706.8	3733108	2.56E-03	0.00E+00	2.56E-03	4.45E-04
1680	500708.5	3733118	2.52E-03	0.00E+00	2.52E-03	4.39E-04
1681	500710.3	3733128	2.48E-03	0.00E+00	2.48E-03	4.32E-04
1682	500712	3733137	2.44E-03	0.00E+00	2.44E-03	4.26E-04
1683	500713.8	3733147	2.41E-03	0.00E+00	2.41E-03	4.20E-04
1684	500715.5	3733156	2.37E-03	0.00E+00	2.37E-03	4.14E-04
1685	500717.3	3733166	2.34E-03	0.00E+00	2.34E-03	4.08E-04

1686	500719	3733176	2.31E-03	0.00E+00	2.31E-03	4.02E-04
1687	500376	3732596	6.52E-03	0.00E+00	6.52E-03	1.14E-03
1688	500366.9	3732593	6.55E-03	0.00E+00	6.55E-03	1.14E-03
1689	500357.8	3732589	6.58E-03	0.00E+00	6.58E-03	1.15E-03
1690	500348.7	3732585	6.61E-03	0.00E+00	6.61E-03	1.15E-03
1691	500339.5	3732581	6.62E-03	0.00E+00	6.62E-03	1.15E-03
1692	500330.4	3732577	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1693	500321.3	3732574	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1694	500312.2	3732570	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1695	500303	3732566	6.63E-03	0.00E+00	6.63E-03	1.16E-03
1696	500293.9	3732562	6.62E-03	0.00E+00	6.62E-03	1.15E-03
1697	500284.8	3732558	6.60E-03	0.00E+00	6.60E-03	1.15E-03
1698	500275.7	3732555	6.58E-03	0.00E+00	6.58E-03	1.15E-03
1699	500266.5	3732551	6.54E-03	0.00E+00	6.54E-03	1.14E-03
1700	500257.4	3732547	6.51E-03	0.00E+00	6.51E-03	1.13E-03
1701	500248.3	3732543	6.46E-03	0.00E+00	6.46E-03	1.13E-03
1702	500239.1	3732539	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1703	500230	3732536	6.36E-03	0.00E+00	6.36E-03	1.11E-03
1704	500193.5	3732521	6.09E-03	0.00E+00	6.09E-03	1.06E-03
1705	500184.4	3732517	6.01E-03	0.00E+00	6.01E-03	1.05E-03
1706	500175.3	3732513	5.93E-03	0.00E+00	5.93E-03	1.03E-03
1707	500166.1	3732509	5.85E-03	0.00E+00	5.85E-03	1.02E-03
1708	500157	3732505	5.76E-03	0.00E+00	5.76E-03	1.00E-03
1709	500147.9	3732502	5.67E-03	0.00E+00	5.67E-03	9.87E-04
1710	500138.8	3732498	5.57E-03	0.00E+00	5.57E-03	9.71E-04
1711	500129.6	3732494	5.47E-03	0.00E+00	5.47E-03	9.54E-04
1712	500120.5	3732490	5.38E-03	0.00E+00	5.38E-03	9.37E-04
1713	500111.4	3732486	5.27E-03	0.00E+00	5.27E-03	9.19E-04
1714	500102.3	3732483	5.17E-03	0.00E+00	5.17E-03	9.01E-04
1715	500093.1	3732479	5.07E-03	0.00E+00	5.07E-03	8.83E-04
1716	500084	3732475	4.97E-03	0.00E+00	4.97E-03	8.65E-04
1717	500074.9	3732471	4.86E-03	0.00E+00	4.86E-03	8.47E-04
1718	500065.7	3732467	4.76E-03	0.00E+00	4.76E-03	8.29E-04
1719	500056.6	3732464	4.65E-03	0.00E+00	4.65E-03	8.10E-04
1720	500416.9	3732573	5.94E-03	0.00E+00	5.94E-03	1.04E-03
1721	500424.2	3732580	5.93E-03	0.00E+00	5.93E-03	1.03E-03
1722	500431.4	3732586	5.92E-03	0.00E+00	5.92E-03	1.03E-03
1723	500453.2	3732606	5.85E-03	0.00E+00	5.85E-03	1.02E-03
1724	500460.5	3732612	5.82E-03	0.00E+00	5.82E-03	1.01E-03
1725	500467.7	3732619	5.78E-03	0.00E+00	5.78E-03	1.01E-03
1726	500475	3732625	5.74E-03	0.00E+00	5.74E-03	1.00E-03
1727	500482.3	3732632	5.69E-03	0.00E+00	5.69E-03	9.92E-04
1728	500489.5	3732638	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1729	500496.8	3732644	5.59E-03	0.00E+00	5.59E-03	9.74E-04
1730	500504.1	3732651	5.53E-03	0.00E+00	5.53E-03	9.64E-04
1731	500511.3	3732657	5.47E-03	0.00E+00	5.47E-03	9.53E-04
1732	500518.6	3732664	5.41E-03	0.00E+00	5.41E-03	9.42E-04

1733	500525.8	3732670	5.34E-03	0.00E+00	5.34E-03	9.30E-04
1734	500533.1	3732677	5.27E-03	0.00E+00	5.27E-03	9.18E-04
1735	500540.4	3732683	5.19E-03	0.00E+00	5.19E-03	9.05E-04
1736	500547.6	3732690	5.12E-03	0.00E+00	5.12E-03	8.92E-04
1737	500554.9	3732696	5.04E-03	0.00E+00	5.04E-03	8.78E-04
1738	500562.2	3732703	4.96E-03	0.00E+00	4.96E-03	8.64E-04
1739	500569.4	3732709	4.87E-03	0.00E+00	4.87E-03	8.49E-04
1740	500576.7	3732715	4.79E-03	0.00E+00	4.79E-03	8.34E-04
1741	500583.9	3732722	4.70E-03	0.00E+00	4.70E-03	8.19E-04
1742	500591.2	3732728	4.62E-03	0.00E+00	4.62E-03	8.04E-04
1743	500598.5	3732735	4.53E-03	0.00E+00	4.53E-03	7.89E-04
1744	500605.7	3732741	4.44E-03	0.00E+00	4.44E-03	7.73E-04
1745	500613	3732748	4.35E-03	0.00E+00	4.35E-03	7.58E-04
1746	500620.3	3732754	4.26E-03	0.00E+00	4.26E-03	7.42E-04
1747	500627.5	3732761	4.17E-03	0.00E+00	4.17E-03	7.27E-04
1748	500634.8	3732767	4.08E-03	0.00E+00	4.08E-03	7.11E-04
1749	500642	3732774	3.99E-03	0.00E+00	3.99E-03	6.96E-04
1750	500649.3	3732780	3.90E-03	0.00E+00	3.90E-03	6.80E-04
1751	500656.6	3732786	3.81E-03	0.00E+00	3.81E-03	6.65E-04
1752	500663.8	3732793	3.73E-03	0.00E+00	3.73E-03	6.49E-04
1753	500671.1	3732799	3.64E-03	0.00E+00	3.64E-03	6.34E-04
1754	500678.4	3732806	3.55E-03	0.00E+00	3.55E-03	6.19E-04
1755	500685.6	3732812	3.47E-03	0.00E+00	3.47E-03	6.05E-04
1756	500694.6	3732828	3.35E-03	0.00E+00	3.35E-03	5.84E-04
1757	500696.3	3732838	3.32E-03	0.00E+00	3.32E-03	5.78E-04
1758	500698.1	3732847	3.28E-03	0.00E+00	3.28E-03	5.72E-04
1759	500699.8	3732857	3.25E-03	0.00E+00	3.25E-03	5.66E-04
1760	500701.5	3732866	3.21E-03	0.00E+00	3.21E-03	5.60E-04
1761	500703.2	3732876	3.18E-03	0.00E+00	3.18E-03	5.54E-04
1762	500705	3732886	3.14E-03	0.00E+00	3.14E-03	5.47E-04
1763	500706.7	3732895	3.10E-03	0.00E+00	3.10E-03	5.41E-04
1764	500708.4	3732905	3.07E-03	0.00E+00	3.07E-03	5.34E-04
1765	500710.2	3732914	3.03E-03	0.00E+00	3.03E-03	5.28E-04
1766	500711.9	3732924	2.99E-03	0.00E+00	2.99E-03	5.21E-04
1767	500713.6	3732933	2.95E-03	0.00E+00	2.95E-03	5.14E-04
1768	500718.8	3732962	2.83E-03	0.00E+00	2.83E-03	4.94E-04
1769	500720.5	3732972	2.80E-03	0.00E+00	2.80E-03	4.87E-04
1770	500722.3	3732981	2.76E-03	0.00E+00	2.76E-03	4.80E-04
1771	500724	3732991	2.72E-03	0.00E+00	2.72E-03	4.74E-04
1772	500725.7	3733000	2.68E-03	0.00E+00	2.68E-03	4.67E-04
1773	500727.4	3733010	2.64E-03	0.00E+00	2.64E-03	4.60E-04
1774	500729.2	3733019	2.61E-03	0.00E+00	2.61E-03	4.54E-04
1775	500730.9	3733029	2.57E-03	0.00E+00	2.57E-03	4.47E-04
1776	500732.6	3733039	2.53E-03	0.00E+00	2.53E-03	4.41E-04
1777	500734.4	3733048	2.49E-03	0.00E+00	2.49E-03	4.35E-04
1778	500736.1	3733058	2.46E-03	0.00E+00	2.46E-03	4.28E-04
1779	500737.8	3733067	2.42E-03	0.00E+00	2.42E-03	4.22E-04

1780	500739.5	3733077	2.39E-03	0.00E+00	2.39E-03	4.16E-04
1781	500741.3	3733086	2.35E-03	0.00E+00	2.35E-03	4.10E-04
1782	500743	3733096	2.32E-03	0.00E+00	2.32E-03	4.04E-04
1783	500744.7	3733105	2.29E-03	0.00E+00	2.29E-03	3.99E-04
1784	500746.5	3733115	2.26E-03	0.00E+00	2.26E-03	3.93E-04
1785	500748.2	3733125	2.22E-03	0.00E+00	2.22E-03	3.88E-04
1786	500749.9	3733134	2.19E-03	0.00E+00	2.19E-03	3.82E-04
1787	500751.6	3733144	2.16E-03	0.00E+00	2.16E-03	3.77E-04
1788	500753.4	3733153	2.13E-03	0.00E+00	2.13E-03	3.72E-04
1789	500755.1	3733163	2.11E-03	0.00E+00	2.11E-03	3.67E-04
1790	500756.8	3733172	2.08E-03	0.00E+00	2.08E-03	3.62E-04
1791	500758.6	3733182	2.05E-03	0.00E+00	2.05E-03	3.57E-04
1792	500409.6	3732567	5.95E-03	0.00E+00	5.95E-03	1.04E-03
1793	500400.5	3732563	5.99E-03	0.00E+00	5.99E-03	1.04E-03
1794	500391.4	3732559	6.02E-03	0.00E+00	6.02E-03	1.05E-03
1795	500382.3	3732556	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1796	500373.1	3732552	6.07E-03	0.00E+00	6.07E-03	1.06E-03
1797	500364	3732548	6.09E-03	0.00E+00	6.09E-03	1.06E-03
1798	500354.9	3732544	6.10E-03	0.00E+00	6.10E-03	1.06E-03
1799	500345.8	3732540	6.11E-03	0.00E+00	6.11E-03	1.06E-03
1800	500336.6	3732537	6.11E-03	0.00E+00	6.11E-03	1.06E-03
1801	500327.5	3732533	6.11E-03	0.00E+00	6.11E-03	1.06E-03
1802	500318.4	3732529	6.10E-03	0.00E+00	6.10E-03	1.06E-03
1803	500309.2	3732525	6.09E-03	0.00E+00	6.09E-03	1.06E-03
1804	500300.1	3732522	6.07E-03	0.00E+00	6.07E-03	1.06E-03
1805	500291	3732518	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1806	500281.9	3732514	6.02E-03	0.00E+00	6.02E-03	1.05E-03
1807	500272.7	3732510	5.99E-03	0.00E+00	5.99E-03	1.04E-03
1808	500263.6	3732506	5.95E-03	0.00E+00	5.95E-03	1.04E-03
1809	500254.5	3732503	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1810	500245.4	3732499	5.86E-03	0.00E+00	5.86E-03	1.02E-03
1811	500236.2	3732495	5.80E-03	0.00E+00	5.80E-03	1.01E-03
1812	500190.6	3732476	5.48E-03	0.00E+00	5.48E-03	9.55E-04
1813	500181.5	3732472	5.41E-03	0.00E+00	5.41E-03	9.42E-04
1814	500172.4	3732468	5.33E-03	0.00E+00	5.33E-03	9.29E-04
1815	500163.2	3732465	5.25E-03	0.00E+00	5.25E-03	9.15E-04
1816	500154.1	3732461	5.17E-03	0.00E+00	5.17E-03	9.01E-04
1817	500145	3732457	5.09E-03	0.00E+00	5.09E-03	8.86E-04
1818	500135.8	3732453	5.00E-03	0.00E+00	5.00E-03	8.71E-04
1819	500126.7	3732449	4.91E-03	0.00E+00	4.91E-03	8.56E-04
1820	500117.6	3732446	4.82E-03	0.00E+00	4.82E-03	8.40E-04
1821	500108.5	3732442	4.73E-03	0.00E+00	4.73E-03	8.25E-04
1822	500099.3	3732438	4.64E-03	0.00E+00	4.64E-03	8.09E-04
1823	500090.2	3732434	4.55E-03	0.00E+00	4.55E-03	7.93E-04
1824	500081.1	3732431	4.46E-03	0.00E+00	4.46E-03	7.77E-04
1825	500072	3732427	4.37E-03	0.00E+00	4.37E-03	7.61E-04
1826	500432.4	3732537	5.52E-03	0.00E+00	5.52E-03	9.61E-04

1827	500439.8	3732543	5.51E-03	0.00E+00	5.51E-03	9.60E-04
1828	500447.1	3732550	5.50E-03	0.00E+00	5.50E-03	9.59E-04
1829	500454.5	3732556	5.49E-03	0.00E+00	5.49E-03	9.56E-04
1830	500461.9	3732563	5.47E-03	0.00E+00	5.47E-03	9.53E-04
1831	500469.3	3732569	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1832	500476.7	3732576	5.42E-03	0.00E+00	5.42E-03	9.44E-04
1833	500498.8	3732596	5.31E-03	0.00E+00	5.31E-03	9.26E-04
1834	500506.2	3732602	5.27E-03	0.00E+00	5.27E-03	9.19E-04
1835	500513.6	3732609	5.23E-03	0.00E+00	5.23E-03	9.10E-04
1836	500521	3732615	5.18E-03	0.00E+00	5.18E-03	9.02E-04
1837	500528.4	3732622	5.12E-03	0.00E+00	5.12E-03	8.93E-04
1838	500535.8	3732628	5.07E-03	0.00E+00	5.07E-03	8.83E-04
1839	500543.1	3732635	5.01E-03	0.00E+00	5.01E-03	8.72E-04
1840	500550.5	3732642	4.94E-03	0.00E+00	4.94E-03	8.62E-04
1841	500557.9	3732648	4.88E-03	0.00E+00	4.88E-03	8.50E-04
1842	500565.3	3732655	4.81E-03	0.00E+00	4.81E-03	8.38E-04
1843	500572.7	3732661	4.74E-03	0.00E+00	4.74E-03	8.26E-04
1844	500580.1	3732668	4.67E-03	0.00E+00	4.67E-03	8.14E-04
1845	500587.4	3732674	4.59E-03	0.00E+00	4.59E-03	8.01E-04
1846	500594.8	3732681	4.52E-03	0.00E+00	4.52E-03	7.87E-04
1847	500602.2	3732688	4.44E-03	0.00E+00	4.44E-03	7.74E-04
1848	500609.6	3732694	4.36E-03	0.00E+00	4.36E-03	7.60E-04
1849	500617	3732701	4.29E-03	0.00E+00	4.29E-03	7.47E-04
1850	500624.4	3732707	4.21E-03	0.00E+00	4.21E-03	7.33E-04
1851	500631.8	3732714	4.12E-03	0.00E+00	4.12E-03	7.19E-04
1852	500639.1	3732720	4.04E-03	0.00E+00	4.04E-03	7.05E-04
1853	500646.5	3732727	3.96E-03	0.00E+00	3.96E-03	6.90E-04
1854	500653.9	3732733	3.88E-03	0.00E+00	3.88E-03	6.76E-04
1855	500661.3	3732740	3.80E-03	0.00E+00	3.80E-03	6.62E-04
1856	500668.7	3732747	3.72E-03	0.00E+00	3.72E-03	6.48E-04
1857	500676.1	3732753	3.64E-03	0.00E+00	3.64E-03	6.34E-04
1858	500683.4	3732760	3.56E-03	0.00E+00	3.56E-03	6.20E-04
1859	500690.8	3732766	3.48E-03	0.00E+00	3.48E-03	6.06E-04
1860	500698.2	3732773	3.40E-03	0.00E+00	3.40E-03	5.92E-04
1861	500705.6	3732779	3.32E-03	0.00E+00	3.32E-03	5.78E-04
1862	500713	3732786	3.24E-03	0.00E+00	3.24E-03	5.65E-04
1863	500720.4	3732793	3.16E-03	0.00E+00	3.16E-03	5.51E-04
1864	500729.5	3732809	3.06E-03	0.00E+00	3.06E-03	5.33E-04
1865	500731.3	3732819	3.03E-03	0.00E+00	3.03E-03	5.27E-04
1866	500733	3732828	3.00E-03	0.00E+00	3.00E-03	5.22E-04
1867	500734.8	3732838	2.96E-03	0.00E+00	2.96E-03	5.16E-04
1868	500736.5	3732848	2.93E-03	0.00E+00	2.93E-03	5.11E-04
1869	500738.3	3732857	2.90E-03	0.00E+00	2.90E-03	5.05E-04
1870	500740.1	3732867	2.86E-03	0.00E+00	2.86E-03	4.99E-04
1871	500741.8	3732877	2.83E-03	0.00E+00	2.83E-03	4.93E-04
1872	500743.6	3732887	2.80E-03	0.00E+00	2.80E-03	4.87E-04
1873	500745.3	3732896	2.76E-03	0.00E+00	2.76E-03	4.81E-04

1874	500747.1	3732906	2.73E-03	0.00E+00	2.73E-03	4.75E-04
1875	500748.8	3732916	2.69E-03	0.00E+00	2.69E-03	4.69E-04
1876	500750.6	3732925	2.66E-03	0.00E+00	2.66E-03	4.63E-04
1877	500752.4	3732935	2.62E-03	0.00E+00	2.62E-03	4.57E-04
1878	500757.6	3732964	2.52E-03	0.00E+00	2.52E-03	4.39E-04
1879	500759.4	3732974	2.48E-03	0.00E+00	2.48E-03	4.33E-04
1880	500761.1	3732984	2.45E-03	0.00E+00	2.45E-03	4.27E-04
1881	500762.9	3732994	2.42E-03	0.00E+00	2.42E-03	4.21E-04
1882	500764.7	3733003	2.38E-03	0.00E+00	2.38E-03	4.15E-04
1883	500766.4	3733013	2.35E-03	0.00E+00	2.35E-03	4.09E-04
1884	500768.2	3733023	2.32E-03	0.00E+00	2.32E-03	4.03E-04
1885	500769.9	3733032	2.28E-03	0.00E+00	2.28E-03	3.98E-04
1886	500771.7	3733042	2.25E-03	0.00E+00	2.25E-03	3.92E-04
1887	500773.4	3733052	2.22E-03	0.00E+00	2.22E-03	3.87E-04
1888	500775.2	3733062	2.19E-03	0.00E+00	2.19E-03	3.81E-04
1889	500777	3733071	2.16E-03	0.00E+00	2.16E-03	3.76E-04
1890	500778.7	3733081	2.13E-03	0.00E+00	2.13E-03	3.71E-04
1891	500780.5	3733091	2.10E-03	0.00E+00	2.10E-03	3.66E-04
1892	500782.2	3733100	2.07E-03	0.00E+00	2.07E-03	3.60E-04
1893	500784	3733110	2.04E-03	0.00E+00	2.04E-03	3.56E-04
1894	500785.7	3733120	2.01E-03	0.00E+00	2.01E-03	3.51E-04
1895	500787.5	3733130	1.99E-03	0.00E+00	1.99E-03	3.46E-04
1896	500789.3	3733139	1.96E-03	0.00E+00	1.96E-03	3.42E-04
1897	500791	3733149	1.93E-03	0.00E+00	1.93E-03	3.37E-04
1898	500792.8	3733159	1.91E-03	0.00E+00	1.91E-03	3.33E-04
1899	500794.5	3733169	1.89E-03	0.00E+00	1.89E-03	3.29E-04
1900	500796.3	3733178	1.86E-03	0.00E+00	1.86E-03	3.24E-04
1901	500798	3733188	1.84E-03	0.00E+00	1.84E-03	3.21E-04
1902	500425	3732530	5.52E-03	0.00E+00	5.52E-03	9.62E-04
1903	500415.9	3732526	5.55E-03	0.00E+00	5.55E-03	9.67E-04
1904	500406.7	3732522	5.58E-03	0.00E+00	5.58E-03	9.72E-04
1905	500397.6	3732519	5.60E-03	0.00E+00	5.60E-03	9.76E-04
1906	500388.5	3732515	5.62E-03	0.00E+00	5.62E-03	9.79E-04
1907	500379.4	3732511	5.63E-03	0.00E+00	5.63E-03	9.81E-04
1908	500370.2	3732507	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1909	500361.1	3732504	5.65E-03	0.00E+00	5.65E-03	9.84E-04
1910	500352	3732500	5.65E-03	0.00E+00	5.65E-03	9.84E-04
1911	500342.8	3732496	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1912	500333.7	3732492	5.64E-03	0.00E+00	5.64E-03	9.82E-04
1913	500324.6	3732488	5.62E-03	0.00E+00	5.62E-03	9.80E-04
1914	500315.5	3732485	5.61E-03	0.00E+00	5.61E-03	9.77E-04
1915	500306.3	3732481	5.58E-03	0.00E+00	5.58E-03	9.73E-04
1916	500297.2	3732477	5.56E-03	0.00E+00	5.56E-03	9.69E-04
1917	500288.1	3732473	5.53E-03	0.00E+00	5.53E-03	9.63E-04
1918	500279	3732469	5.50E-03	0.00E+00	5.50E-03	9.57E-04
1919	500269.8	3732466	5.46E-03	0.00E+00	5.46E-03	9.51E-04
1920	500260.7	3732462	5.41E-03	0.00E+00	5.41E-03	9.43E-04

1921	500251.6	3732458	5.37E-03	0.00E+00	5.37E-03	9.35E-04
1922	500242.5	3732454	5.32E-03	0.00E+00	5.32E-03	9.27E-04
1923	500233.3	3732450	5.26E-03	0.00E+00	5.26E-03	9.17E-04
1924	500196.8	3732435	5.02E-03	0.00E+00	5.02E-03	8.75E-04
1925	500187.7	3732431	4.95E-03	0.00E+00	4.95E-03	8.63E-04
1926	500178.6	3732428	4.89E-03	0.00E+00	4.89E-03	8.51E-04
1927	500169.4	3732424	4.81E-03	0.00E+00	4.81E-03	8.39E-04
1928	500160.3	3732420	4.74E-03	0.00E+00	4.74E-03	8.26E-04
1929	500151.2	3732416	4.66E-03	0.00E+00	4.66E-03	8.13E-04
1930	500142.1	3732413	4.59E-03	0.00E+00	4.59E-03	7.99E-04
1931	500132.9	3732409	4.51E-03	0.00E+00	4.51E-03	7.86E-04
1932	500123.8	3732405	4.43E-03	0.00E+00	4.43E-03	7.72E-04
1933	500114.7	3732401	4.35E-03	0.00E+00	4.35E-03	7.58E-04
1934	500105.6	3732397	4.27E-03	0.00E+00	4.27E-03	7.44E-04
1935	500096.4	3732394	4.19E-03	0.00E+00	4.19E-03	7.30E-04
1936	500087.3	3732390	4.11E-03	0.00E+00	4.11E-03	7.16E-04
1937	500447.7	3732500	5.14E-03	0.00E+00	5.14E-03	8.95E-04
1938	500455	3732506	5.13E-03	0.00E+00	5.13E-03	8.95E-04
1939	500462.3	3732513	5.13E-03	0.00E+00	5.13E-03	8.93E-04
1940	500469.6	3732519	5.12E-03	0.00E+00	5.12E-03	8.91E-04
1941	500477	3732526	5.10E-03	0.00E+00	5.10E-03	8.89E-04
1942	500484.3	3732532	5.09E-03	0.00E+00	5.09E-03	8.86E-04
1943	500491.6	3732539	5.06E-03	0.00E+00	5.06E-03	8.82E-04
1944	500498.9	3732545	5.04E-03	0.00E+00	5.04E-03	8.78E-04
1945	500506.3	3732552	5.01E-03	0.00E+00	5.01E-03	8.73E-04
1946	500513.6	3732558	4.98E-03	0.00E+00	4.98E-03	8.68E-04
1947	500520.9	3732565	4.95E-03	0.00E+00	4.95E-03	8.62E-04
1948	500528.2	3732571	4.91E-03	0.00E+00	4.91E-03	8.55E-04
1949	500550.2	3732591	4.78E-03	0.00E+00	4.78E-03	8.32E-04
1950	500557.5	3732597	4.73E-03	0.00E+00	4.73E-03	8.23E-04
1951	500564.9	3732604	4.67E-03	0.00E+00	4.67E-03	8.14E-04
1952	500572.2	3732610	4.62E-03	0.00E+00	4.62E-03	8.05E-04
1953	500579.5	3732617	4.56E-03	0.00E+00	4.56E-03	7.94E-04
1954	500586.8	3732623	4.50E-03	0.00E+00	4.50E-03	7.84E-04
1955	500594.2	3732630	4.44E-03	0.00E+00	4.44E-03	7.73E-04
1956	500601.5	3732636	4.37E-03	0.00E+00	4.37E-03	7.62E-04
1957	500608.8	3732643	4.31E-03	0.00E+00	4.31E-03	7.51E-04
1958	500616.1	3732649	4.24E-03	0.00E+00	4.24E-03	7.39E-04
1959	500623.5	3732656	4.18E-03	0.00E+00	4.18E-03	7.27E-04
1960	500630.8	3732662	4.11E-03	0.00E+00	4.11E-03	7.15E-04
1961	500638.1	3732669	4.04E-03	0.00E+00	4.04E-03	7.03E-04
1962	500645.4	3732675	3.97E-03	0.00E+00	3.97E-03	6.91E-04
1963	500652.8	3732682	3.89E-03	0.00E+00	3.89E-03	6.78E-04
1964	500660.1	3732688	3.82E-03	0.00E+00	3.82E-03	6.66E-04
1965	500667.4	3732695	3.75E-03	0.00E+00	3.75E-03	6.53E-04
1966	500674.7	3732701	3.68E-03	0.00E+00	3.68E-03	6.41E-04
1967	500682.1	3732708	3.60E-03	0.00E+00	3.60E-03	6.28E-04

1968	500689.4	3732714	3.53E-03	0.00E+00	3.53E-03	6.15E-04
1969	500696.7	3732721	3.46E-03	0.00E+00	3.46E-03	6.03E-04
1970	500704	3732727	3.39E-03	0.00E+00	3.39E-03	5.90E-04
1971	500711.4	3732734	3.31E-03	0.00E+00	3.31E-03	5.78E-04
1972	500718.7	3732740	3.24E-03	0.00E+00	3.24E-03	5.65E-04
1973	500726	3732747	3.17E-03	0.00E+00	3.17E-03	5.53E-04
1974	500733.3	3732753	3.10E-03	0.00E+00	3.10E-03	5.40E-04
1975	500740.7	3732760	3.03E-03	0.00E+00	3.03E-03	5.28E-04
1976	500748	3732766	2.96E-03	0.00E+00	2.96E-03	5.16E-04
1977	500755.3	3732773	2.90E-03	0.00E+00	2.90E-03	5.05E-04
1978	500764.4	3732789	2.80E-03	0.00E+00	2.80E-03	4.88E-04
1979	500766.1	3732799	2.77E-03	0.00E+00	2.77E-03	4.83E-04
1980	500767.9	3732808	2.75E-03	0.00E+00	2.75E-03	4.79E-04
1981	500769.6	3732818	2.72E-03	0.00E+00	2.72E-03	4.74E-04
1982	500771.4	3732828	2.69E-03	0.00E+00	2.69E-03	4.68E-04
1983	500773.1	3732837	2.66E-03	0.00E+00	2.66E-03	4.63E-04
1984	500774.8	3732847	2.63E-03	0.00E+00	2.63E-03	4.58E-04
1985	500776.6	3732857	2.60E-03	0.00E+00	2.60E-03	4.53E-04
1986	500778.3	3732866	2.57E-03	0.00E+00	2.57E-03	4.48E-04
1987	500780.1	3732876	2.54E-03	0.00E+00	2.54E-03	4.42E-04
1988	500781.8	3732886	2.51E-03	0.00E+00	2.51E-03	4.37E-04
1989	500783.6	3732895	2.48E-03	0.00E+00	2.48E-03	4.32E-04
1990	500785.3	3732905	2.45E-03	0.00E+00	2.45E-03	4.26E-04
1991	500787	3732915	2.42E-03	0.00E+00	2.42E-03	4.21E-04
1992	500788.8	3732924	2.39E-03	0.00E+00	2.39E-03	4.16E-04
1993	500790.5	3732934	2.35E-03	0.00E+00	2.35E-03	4.10E-04
1994	500797.5	3732972	2.23E-03	0.00E+00	2.23E-03	3.89E-04
1995	500799.2	3732982	2.20E-03	0.00E+00	2.20E-03	3.84E-04
1996	500801	3732992	2.17E-03	0.00E+00	2.17E-03	3.79E-04
1997	500802.7	3733001	2.15E-03	0.00E+00	2.15E-03	3.74E-04
1998	500804.5	3733011	2.12E-03	0.00E+00	2.12E-03	3.69E-04
1999	500806.2	3733021	2.09E-03	0.00E+00	2.09E-03	3.64E-04
2000	500808	3733030	2.06E-03	0.00E+00	2.06E-03	3.59E-04
2001	500809.7	3733040	2.03E-03	0.00E+00	2.03E-03	3.54E-04
2002	500811.4	3733050	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2003	500813.2	3733059	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2004	500814.9	3733069	1.95E-03	0.00E+00	1.95E-03	3.40E-04
2005	500816.7	3733078	1.93E-03	0.00E+00	1.93E-03	3.36E-04
2006	500818.4	3733088	1.90E-03	0.00E+00	1.90E-03	3.31E-04
2007	500820.2	3733098	1.88E-03	0.00E+00	1.88E-03	3.27E-04
2008	500821.9	3733107	1.85E-03	0.00E+00	1.85E-03	3.23E-04
2009	500823.6	3733117	1.83E-03	0.00E+00	1.83E-03	3.19E-04
2010	500825.4	3733127	1.81E-03	0.00E+00	1.81E-03	3.15E-04
2011	500827.1	3733136	1.78E-03	0.00E+00	1.78E-03	3.11E-04
2012	500828.9	3733146	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2013	500830.6	3733156	1.74E-03	0.00E+00	1.74E-03	3.03E-04
2014	500832.4	3733165	1.68E-03	0.00E+00	1.68E-03	2.92E-04

2015	500834.1	3733175	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2016	500835.8	3733185	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2017	500837.6	3733194	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2018	500440.3	3732493	5.14E-03	0.00E+00	5.14E-03	8.95E-04
2019	500431.2	3732489	5.16E-03	0.00E+00	5.16E-03	9.00E-04
2020	500422.1	3732486	5.18E-03	0.00E+00	5.18E-03	9.03E-04
2021	500412.9	3732482	5.20E-03	0.00E+00	5.20E-03	9.07E-04
2022	500403.8	3732478	5.22E-03	0.00E+00	5.22E-03	9.09E-04
2023	500394.7	3732474	5.23E-03	0.00E+00	5.23E-03	9.11E-04
2024	500385.6	3732470	5.24E-03	0.00E+00	5.24E-03	9.12E-04
2025	500376.4	3732467	5.24E-03	0.00E+00	5.24E-03	9.13E-04
2026	500367.3	3732463	5.24E-03	0.00E+00	5.24E-03	9.13E-04
2027	500358.2	3732459	5.23E-03	0.00E+00	5.23E-03	9.12E-04
2028	500349.1	3732455	5.23E-03	0.00E+00	5.23E-03	9.10E-04
2029	500339.9	3732451	5.21E-03	0.00E+00	5.21E-03	9.08E-04
2030	500330.8	3732448	5.20E-03	0.00E+00	5.20E-03	9.05E-04
2031	500321.7	3732444	5.18E-03	0.00E+00	5.18E-03	9.02E-04
2032	500312.6	3732440	5.15E-03	0.00E+00	5.15E-03	8.98E-04
2033	500303.4	3732436	5.13E-03	0.00E+00	5.13E-03	8.93E-04
2034	500294.3	3732432	5.10E-03	0.00E+00	5.10E-03	8.88E-04
2035	500285.2	3732429	5.06E-03	0.00E+00	5.06E-03	8.82E-04
2036	500276.1	3732425	5.02E-03	0.00E+00	5.02E-03	8.76E-04
2037	500266.9	3732421	4.98E-03	0.00E+00	4.98E-03	8.68E-04
2038	500230.4	3732406	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2039	500193.9	3732391	4.56E-03	0.00E+00	4.56E-03	7.94E-04
2040	500184.8	3732387	4.49E-03	0.00E+00	4.49E-03	7.83E-04
2041	500175.7	3732383	4.43E-03	0.00E+00	4.43E-03	7.72E-04
2042	500166.5	3732379	4.36E-03	0.00E+00	4.36E-03	7.60E-04
2043	500157.4	3732376	4.30E-03	0.00E+00	4.30E-03	7.49E-04
2044	500148.3	3732372	4.23E-03	0.00E+00	4.23E-03	7.37E-04
2045	500139.2	3732368	4.16E-03	0.00E+00	4.16E-03	7.24E-04
2046	500130	3732364	4.09E-03	0.00E+00	4.09E-03	7.12E-04
2047	500120.9	3732360	4.02E-03	0.00E+00	4.02E-03	7.00E-04
2048	500111.8	3732357	3.94E-03	0.00E+00	3.94E-03	6.87E-04
2049	500102.7	3732353	3.87E-03	0.00E+00	3.87E-03	6.75E-04
2050	500462.9	3732463	4.80E-03	0.00E+00	4.80E-03	8.36E-04
2051	500470.2	3732469	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2052	500477.5	3732476	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2053	500484.8	3732482	4.78E-03	0.00E+00	4.78E-03	8.34E-04
2054	500492	3732488	4.77E-03	0.00E+00	4.77E-03	8.32E-04
2055	500499.3	3732495	4.76E-03	0.00E+00	4.76E-03	8.30E-04
2056	500506.6	3732501	4.75E-03	0.00E+00	4.75E-03	8.27E-04
2057	500513.9	3732508	4.73E-03	0.00E+00	4.73E-03	8.23E-04
2058	500521.1	3732514	4.70E-03	0.00E+00	4.70E-03	8.19E-04
2059	500528.4	3732521	4.68E-03	0.00E+00	4.68E-03	8.15E-04
2060	500535.7	3732527	4.65E-03	0.00E+00	4.65E-03	8.10E-04
2061	500543	3732534	4.62E-03	0.00E+00	4.62E-03	8.05E-04

2062	500550.2	3732540	4.58E-03	0.00E+00	4.58E-03	7.99E-04
2063	500557.5	3732547	4.55E-03	0.00E+00	4.55E-03	7.92E-04
2064	500564.8	3732553	4.51E-03	0.00E+00	4.51E-03	7.85E-04
2065	500572	3732560	4.46E-03	0.00E+00	4.46E-03	7.78E-04
2066	500593.9	3732579	4.32E-03	0.00E+00	4.32E-03	7.53E-04
2067	500601.1	3732585	4.27E-03	0.00E+00	4.27E-03	7.44E-04
2068	500608.4	3732592	4.22E-03	0.00E+00	4.22E-03	7.35E-04
2069	500615.7	3732598	4.17E-03	0.00E+00	4.17E-03	7.26E-04
2070	500623	3732605	4.11E-03	0.00E+00	4.11E-03	7.16E-04
2071	500630.2	3732611	4.05E-03	0.00E+00	4.05E-03	7.06E-04
2072	500637.5	3732618	3.99E-03	0.00E+00	3.99E-03	6.96E-04
2073	500644.8	3732624	3.93E-03	0.00E+00	3.93E-03	6.85E-04
2074	500652	3732631	3.87E-03	0.00E+00	3.87E-03	6.74E-04
2075	500659.3	3732637	3.81E-03	0.00E+00	3.81E-03	6.64E-04
2076	500666.6	3732644	3.75E-03	0.00E+00	3.75E-03	6.53E-04
2077	500673.9	3732650	3.68E-03	0.00E+00	3.68E-03	6.41E-04
2078	500681.1	3732657	3.62E-03	0.00E+00	3.62E-03	6.30E-04
2079	500688.4	3732663	3.55E-03	0.00E+00	3.55E-03	6.19E-04
2080	500695.7	3732669	3.49E-03	0.00E+00	3.49E-03	6.08E-04
2081	500703	3732676	3.42E-03	0.00E+00	3.42E-03	5.96E-04
2082	500710.2	3732682	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2083	500717.5	3732689	3.29E-03	0.00E+00	3.29E-03	5.74E-04
2084	500724.8	3732695	3.23E-03	0.00E+00	3.23E-03	5.62E-04
2085	500732.1	3732702	3.16E-03	0.00E+00	3.16E-03	5.51E-04
2086	500739.3	3732708	3.10E-03	0.00E+00	3.10E-03	5.39E-04
2087	500746.6	3732715	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2088	500753.9	3732721	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2089	500761.1	3732728	2.91E-03	0.00E+00	2.91E-03	5.06E-04
2090	500768.4	3732734	2.84E-03	0.00E+00	2.84E-03	4.96E-04
2091	500775.7	3732741	2.78E-03	0.00E+00	2.78E-03	4.85E-04
2092	500783	3732747	2.72E-03	0.00E+00	2.72E-03	4.74E-04
2093	500790.2	3732753	2.66E-03	0.00E+00	2.66E-03	4.64E-04
2094	500799.2	3732770	2.58E-03	0.00E+00	2.58E-03	4.49E-04
2095	500801	3732779	2.55E-03	0.00E+00	2.55E-03	4.45E-04
2096	500802.7	3732789	2.53E-03	0.00E+00	2.53E-03	4.41E-04
2097	500804.4	3732798	2.50E-03	0.00E+00	2.50E-03	4.36E-04
2098	500806.2	3732808	2.48E-03	0.00E+00	2.48E-03	4.32E-04
2099	500807.9	3732817	2.45E-03	0.00E+00	2.45E-03	4.27E-04
2100	500809.6	3732827	2.42E-03	0.00E+00	2.42E-03	4.22E-04
2101	500811.4	3732837	2.40E-03	0.00E+00	2.40E-03	4.18E-04
2102	500813.1	3732846	2.37E-03	0.00E+00	2.37E-03	4.13E-04
2103	500814.8	3732856	2.34E-03	0.00E+00	2.34E-03	4.08E-04
2104	500816.6	3732865	2.32E-03	0.00E+00	2.32E-03	4.04E-04
2105	500818.3	3732875	2.29E-03	0.00E+00	2.29E-03	3.99E-04
2106	500820	3732884	2.26E-03	0.00E+00	2.26E-03	3.94E-04
2107	500821.7	3732894	2.23E-03	0.00E+00	2.23E-03	3.89E-04
2108	500823.5	3732904	2.21E-03	0.00E+00	2.21E-03	3.85E-04

2109	500825.2	3732913	2.18E-03	0.00E+00	2.18E-03	3.80E-04
2110	500826.9	3732923	2.15E-03	0.00E+00	2.15E-03	3.75E-04
2111	500828.7	3732932	2.13E-03	0.00E+00	2.13E-03	3.70E-04
2112	500835.6	3732971	1.97E-03	0.00E+00	1.97E-03	3.43E-04
2113	500837.3	3732980	1.94E-03	0.00E+00	1.94E-03	3.38E-04
2114	500839.1	3732990	1.92E-03	0.00E+00	1.92E-03	3.34E-04
2115	500840.8	3732999	1.89E-03	0.00E+00	1.89E-03	3.29E-04
2116	500842.5	3733009	1.86E-03	0.00E+00	1.86E-03	3.25E-04
2117	500844.2	3733018	1.84E-03	0.00E+00	1.84E-03	3.21E-04
2118	500846	3733028	1.82E-03	0.00E+00	1.82E-03	3.17E-04
2119	500847.7	3733038	1.79E-03	0.00E+00	1.79E-03	3.12E-04
2120	500849.4	3733047	1.77E-03	0.00E+00	1.77E-03	3.08E-04
2121	500851.2	3733057	1.75E-03	0.00E+00	1.75E-03	3.04E-04
2122	500852.9	3733066	1.72E-03	0.00E+00	1.72E-03	3.01E-04
2123	500854.6	3733076	1.70E-03	0.00E+00	1.70E-03	2.97E-04
2124	500856.4	3733085	1.68E-03	0.00E+00	1.68E-03	2.93E-04
2125	500858.1	3733095	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2126	500859.8	3733105	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2127	500861.6	3733114	1.62E-03	0.00E+00	1.62E-03	2.82E-04
2128	500863.3	3733124	1.60E-03	0.00E+00	1.60E-03	2.79E-04
2129	500865	3733133	1.58E-03	0.00E+00	1.58E-03	2.76E-04
2130	500866.7	3733143	1.57E-03	0.00E+00	1.57E-03	2.73E-04
2131	500868.5	3733152	1.55E-03	0.00E+00	1.55E-03	2.70E-04
2132	500870.2	3733162	1.53E-03	0.00E+00	1.53E-03	2.67E-04
2133	500871.9	3733172	1.52E-03	0.00E+00	1.52E-03	2.64E-04
2134	500873.7	3733181	1.50E-03	0.00E+00	1.50E-03	2.62E-04
2135	500875.4	3733191	1.49E-03	0.00E+00	1.49E-03	2.59E-04
2136	500877.1	3733200	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2137	500455.7	3732456	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2138	500446.5	3732452	4.82E-03	0.00E+00	4.82E-03	8.39E-04
2139	500437.4	3732449	4.83E-03	0.00E+00	4.83E-03	8.42E-04
2140	500428.3	3732445	4.85E-03	0.00E+00	4.85E-03	8.45E-04
2141	500419.2	3732441	4.86E-03	0.00E+00	4.86E-03	8.47E-04
2142	500410	3732437	4.87E-03	0.00E+00	4.87E-03	8.49E-04
2143	500400.9	3732433	4.88E-03	0.00E+00	4.88E-03	8.49E-04
2144	500391.8	3732430	4.88E-03	0.00E+00	4.88E-03	8.50E-04
2145	500382.7	3732426	4.88E-03	0.00E+00	4.88E-03	8.49E-04
2146	500373.5	3732422	4.87E-03	0.00E+00	4.87E-03	8.49E-04
2147	500327.9	3732403	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2148	500318.8	3732399	4.77E-03	0.00E+00	4.77E-03	8.31E-04
2149	500309.7	3732396	4.74E-03	0.00E+00	4.74E-03	8.26E-04
2150	500300.5	3732392	4.71E-03	0.00E+00	4.71E-03	8.21E-04
2151	500291.4	3732388	4.68E-03	0.00E+00	4.68E-03	8.15E-04
2152	500282.3	3732384	4.64E-03	0.00E+00	4.64E-03	8.09E-04
2153	500273.1	3732380	4.60E-03	0.00E+00	4.60E-03	8.02E-04
2154	500264	3732377	4.56E-03	0.00E+00	4.56E-03	7.95E-04
2155	500254.9	3732373	4.52E-03	0.00E+00	4.52E-03	7.87E-04

2156	500245.8	3732369	4.47E-03	0.00E+00	4.47E-03	7.79E-04
2157	500236.6	3732365	4.42E-03	0.00E+00	4.42E-03	7.71E-04
2158	500227.5	3732361	4.37E-03	0.00E+00	4.37E-03	7.62E-04
2159	500191	3732346	4.15E-03	0.00E+00	4.15E-03	7.23E-04
2160	500181.9	3732342	4.09E-03	0.00E+00	4.09E-03	7.13E-04
2161	500172.8	3732339	4.03E-03	0.00E+00	4.03E-03	7.03E-04
2162	500163.6	3732335	3.97E-03	0.00E+00	3.97E-03	6.92E-04
2163	500154.5	3732331	3.91E-03	0.00E+00	3.91E-03	6.82E-04
2164	500145.4	3732327	3.85E-03	0.00E+00	3.85E-03	6.71E-04
2165	500136.3	3732323	3.79E-03	0.00E+00	3.79E-03	6.60E-04
2166	500127.1	3732320	3.72E-03	0.00E+00	3.72E-03	6.49E-04
2167	500118	3732316	3.66E-03	0.00E+00	3.66E-03	6.37E-04
2168	500478.4	3732426	4.49E-03	0.00E+00	4.49E-03	7.82E-04
2169	500485.8	3732432	4.49E-03	0.00E+00	4.49E-03	7.82E-04
2170	500493.1	3732439	4.49E-03	0.00E+00	4.49E-03	7.82E-04
2171	500500.5	3732445	4.48E-03	0.00E+00	4.48E-03	7.81E-04
2172	500507.9	3732452	4.48E-03	0.00E+00	4.48E-03	7.80E-04
2173	500515.3	3732459	4.47E-03	0.00E+00	4.47E-03	7.78E-04
2174	500522.6	3732465	4.45E-03	0.00E+00	4.45E-03	7.76E-04
2175	500530	3732472	4.44E-03	0.00E+00	4.44E-03	7.73E-04
2176	500537.4	3732478	4.42E-03	0.00E+00	4.42E-03	7.70E-04
2177	500544.8	3732485	4.40E-03	0.00E+00	4.40E-03	7.66E-04
2178	500552.1	3732491	4.37E-03	0.00E+00	4.37E-03	7.62E-04
2179	500559.5	3732498	4.35E-03	0.00E+00	4.35E-03	7.57E-04
2180	500566.9	3732504	4.32E-03	0.00E+00	4.32E-03	7.52E-04
2181	500574.3	3732511	4.28E-03	0.00E+00	4.28E-03	7.46E-04
2182	500581.6	3732518	4.25E-03	0.00E+00	4.25E-03	7.40E-04
2183	500589	3732524	4.21E-03	0.00E+00	4.21E-03	7.34E-04
2184	500596.4	3732531	4.17E-03	0.00E+00	4.17E-03	7.27E-04
2185	500603.8	3732537	4.13E-03	0.00E+00	4.13E-03	7.20E-04
2186	500611.1	3732544	4.09E-03	0.00E+00	4.09E-03	7.12E-04
2187	500618.5	3732550	4.04E-03	0.00E+00	4.04E-03	7.04E-04
2188	500648	3732577	3.84E-03	0.00E+00	3.84E-03	6.70E-04
2189	500655.4	3732583	3.79E-03	0.00E+00	3.79E-03	6.60E-04
2190	500662.8	3732590	3.74E-03	0.00E+00	3.74E-03	6.51E-04
2191	500670.1	3732596	3.68E-03	0.00E+00	3.68E-03	6.41E-04
2192	500677.5	3732603	3.62E-03	0.00E+00	3.62E-03	6.31E-04
2193	500684.9	3732609	3.57E-03	0.00E+00	3.57E-03	6.21E-04
2194	500692.3	3732616	3.51E-03	0.00E+00	3.51E-03	6.11E-04
2195	500699.6	3732622	3.45E-03	0.00E+00	3.45E-03	6.01E-04
2196	500707	3732629	3.39E-03	0.00E+00	3.39E-03	5.91E-04
2197	500714.4	3732635	3.33E-03	0.00E+00	3.33E-03	5.80E-04
2198	500721.8	3732642	3.27E-03	0.00E+00	3.27E-03	5.70E-04
2199	500729.1	3732649	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2200	500736.5	3732655	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2201	500743.9	3732662	3.09E-03	0.00E+00	3.09E-03	5.38E-04
2202	500751.3	3732668	3.03E-03	0.00E+00	3.03E-03	5.28E-04

2203	500758.6	3732675	2.97E-03	0.00E+00	2.97E-03	5.18E-04
2204	500766	3732681	2.91E-03	0.00E+00	2.91E-03	5.07E-04
2205	500773.4	3732688	2.85E-03	0.00E+00	2.85E-03	4.97E-04
2206	500780.8	3732694	2.79E-03	0.00E+00	2.79E-03	4.87E-04
2207	500788.1	3732701	2.74E-03	0.00E+00	2.74E-03	4.77E-04
2208	500795.5	3732708	2.68E-03	0.00E+00	2.68E-03	4.67E-04
2209	500802.9	3732714	2.62E-03	0.00E+00	2.62E-03	4.57E-04
2210	500810.3	3732721	2.57E-03	0.00E+00	2.57E-03	4.47E-04
2211	500817.6	3732727	2.51E-03	0.00E+00	2.51E-03	4.38E-04
2212	500825	3732734	2.46E-03	0.00E+00	2.46E-03	4.28E-04
2213	500834.1	3732750	2.34E-03	0.00E+00	2.34E-03	4.07E-04
2214	500835.9	3732760	2.31E-03	0.00E+00	2.31E-03	4.03E-04
2215	500837.7	3732769	2.29E-03	0.00E+00	2.29E-03	3.98E-04
2216	500839.4	3732779	2.26E-03	0.00E+00	2.26E-03	3.94E-04
2217	500841.2	3732789	2.24E-03	0.00E+00	2.24E-03	3.89E-04
2218	500842.9	3732799	2.21E-03	0.00E+00	2.21E-03	3.85E-04
2219	500844.7	3732808	2.18E-03	0.00E+00	2.18E-03	3.81E-04
2220	500846.4	3732818	2.16E-03	0.00E+00	2.16E-03	3.76E-04
2221	500848.2	3732828	2.13E-03	0.00E+00	2.13E-03	3.72E-04
2222	500849.9	3732837	2.11E-03	0.00E+00	2.11E-03	3.67E-04
2223	500851.7	3732847	2.08E-03	0.00E+00	2.08E-03	3.63E-04
2224	500853.5	3732857	2.06E-03	0.00E+00	2.06E-03	3.58E-04
2225	500855.2	3732867	2.03E-03	0.00E+00	2.03E-03	3.54E-04
2226	500857	3732876	2.01E-03	0.00E+00	2.01E-03	3.50E-04
2227	500858.7	3732886	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2228	500860.5	3732896	1.96E-03	0.00E+00	1.96E-03	3.41E-04
2229	500862.2	3732905	1.93E-03	0.00E+00	1.93E-03	3.37E-04
2230	500864	3732915	1.91E-03	0.00E+00	1.91E-03	3.32E-04
2231	500865.7	3732925	1.88E-03	0.00E+00	1.88E-03	3.28E-04
2232	500867.5	3732935	1.86E-03	0.00E+00	1.86E-03	3.24E-04
2233	500874.5	3732973	1.77E-03	0.00E+00	1.77E-03	3.08E-04
2234	500876.3	3732983	1.75E-03	0.00E+00	1.75E-03	3.04E-04
2235	500878	3732993	1.73E-03	0.00E+00	1.73E-03	3.01E-04
2236	500879.8	3733002	1.70E-03	0.00E+00	1.70E-03	2.97E-04
2237	500881.5	3733012	1.68E-03	0.00E+00	1.68E-03	2.93E-04
2238	500883.3	3733022	1.66E-03	0.00E+00	1.66E-03	2.90E-04
2239	500885	3733032	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2240	500886.8	3733041	1.62E-03	0.00E+00	1.62E-03	2.83E-04
2241	500888.6	3733051	1.60E-03	0.00E+00	1.60E-03	2.79E-04
2242	500890.3	3733061	1.58E-03	0.00E+00	1.58E-03	2.76E-04
2243	500892.1	3733070	1.56E-03	0.00E+00	1.56E-03	2.72E-04
2244	500893.8	3733080	1.54E-03	0.00E+00	1.54E-03	2.69E-04
2245	500895.6	3733090	1.53E-03	0.00E+00	1.53E-03	2.66E-04
2246	500897.3	3733100	1.51E-03	0.00E+00	1.51E-03	2.63E-04
2247	500899.1	3733109	1.49E-03	0.00E+00	1.49E-03	2.60E-04
2248	500900.8	3733119	1.47E-03	0.00E+00	1.47E-03	2.57E-04
2249	500902.6	3733129	1.46E-03	0.00E+00	1.46E-03	2.54E-04

2250	500904.3	3733138	1.44E-03	0.00E+00	1.44E-03	2.51E-04
2251	500906.1	3733148	1.43E-03	0.00E+00	1.43E-03	2.49E-04
2252	500907.9	3733158	1.41E-03	0.00E+00	1.41E-03	2.46E-04
2253	500909.6	3733168	1.40E-03	0.00E+00	1.40E-03	2.43E-04
2254	500911.4	3733177	1.38E-03	0.00E+00	1.38E-03	2.41E-04
2255	500913.1	3733187	1.37E-03	0.00E+00	1.37E-03	2.38E-04
2256	500914.9	3733197	1.35E-03	0.00E+00	1.35E-03	2.36E-04
2257	500916.6	3733206	1.34E-03	0.00E+00	1.34E-03	2.34E-04
2258	500434.5	3732404	4.54E-03	0.00E+00	4.54E-03	7.91E-04
2259	500425.4	3732400	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2260	500416.3	3732396	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2261	500407.1	3732393	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2262	500398	3732389	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2263	500388.9	3732385	4.54E-03	0.00E+00	4.54E-03	7.92E-04
2264	500379.8	3732381	4.54E-03	0.00E+00	4.54E-03	7.90E-04
2265	500370.6	3732378	4.53E-03	0.00E+00	4.53E-03	7.88E-04
2266	500361.5	3732374	4.51E-03	0.00E+00	4.51E-03	7.86E-04
2267	500352.4	3732370	4.49E-03	0.00E+00	4.49E-03	7.83E-04
2268	500343.2	3732366	4.47E-03	0.00E+00	4.47E-03	7.80E-04
2269	500334.1	3732362	4.45E-03	0.00E+00	4.45E-03	7.76E-04
2270	500325	3732359	4.43E-03	0.00E+00	4.43E-03	7.71E-04
2271	500315.9	3732355	4.40E-03	0.00E+00	4.40E-03	7.67E-04
2272	500306.7	3732351	4.37E-03	0.00E+00	4.37E-03	7.61E-04
2273	500297.6	3732347	4.34E-03	0.00E+00	4.34E-03	7.56E-04
2274	500288.5	3732343	4.30E-03	0.00E+00	4.30E-03	7.50E-04
2275	500279.4	3732340	4.27E-03	0.00E+00	4.27E-03	7.43E-04
2276	500270.2	3732336	4.23E-03	0.00E+00	4.23E-03	7.36E-04
2277	500261.1	3732332	4.19E-03	0.00E+00	4.19E-03	7.29E-04
2278	500252	3732328	4.14E-03	0.00E+00	4.14E-03	7.22E-04
2279	500242.9	3732324	4.10E-03	0.00E+00	4.10E-03	7.14E-04
2280	500233.7	3732321	4.05E-03	0.00E+00	4.05E-03	7.06E-04
2281	500224.6	3732317	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2282	500197.2	3732306	3.85E-03	0.00E+00	3.85E-03	6.71E-04
2283	500188.1	3732302	3.80E-03	0.00E+00	3.80E-03	6.62E-04
2284	500179	3732298	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2285	500169.9	3732294	3.69E-03	0.00E+00	3.69E-03	6.43E-04
2286	500160.7	3732290	3.63E-03	0.00E+00	3.63E-03	6.33E-04
2287	500151.6	3732287	3.58E-03	0.00E+00	3.58E-03	6.23E-04
2288	500142.5	3732283	3.52E-03	0.00E+00	3.52E-03	6.13E-04
2289	500133.3	3732279	3.46E-03	0.00E+00	3.46E-03	6.03E-04
2290	500493.7	3732389	4.21E-03	0.00E+00	4.21E-03	7.34E-04
2291	500501	3732395	4.22E-03	0.00E+00	4.22E-03	7.35E-04
2292	500508.3	3732402	4.22E-03	0.00E+00	4.22E-03	7.34E-04
2293	500530.3	3732421	4.20E-03	0.00E+00	4.20E-03	7.32E-04
2294	500537.6	3732428	4.19E-03	0.00E+00	4.19E-03	7.30E-04
2295	500545	3732434	4.18E-03	0.00E+00	4.18E-03	7.28E-04
2296	500552.3	3732441	4.16E-03	0.00E+00	4.16E-03	7.25E-04

2297	500559.6	3732447	4.14E-03	0.00E+00	4.14E-03	7.22E-04
2298	500566.9	3732454	4.12E-03	0.00E+00	4.12E-03	7.19E-04
2299	500574.3	3732460	4.10E-03	0.00E+00	4.10E-03	7.15E-04
2300	500581.6	3732467	4.08E-03	0.00E+00	4.08E-03	7.11E-04
2301	500588.9	3732473	4.05E-03	0.00E+00	4.05E-03	7.06E-04
2302	500596.2	3732480	4.02E-03	0.00E+00	4.02E-03	7.01E-04
2303	500603.6	3732486	3.99E-03	0.00E+00	3.99E-03	6.95E-04
2304	500610.9	3732493	3.96E-03	0.00E+00	3.96E-03	6.89E-04
2305	500618.2	3732499	3.92E-03	0.00E+00	3.92E-03	6.83E-04
2306	500625.5	3732506	3.88E-03	0.00E+00	3.88E-03	6.77E-04
2307	500632.9	3732512	3.84E-03	0.00E+00	3.84E-03	6.70E-04
2308	500640.2	3732519	3.80E-03	0.00E+00	3.80E-03	6.63E-04
2309	500647.5	3732526	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2310	500654.8	3732532	3.72E-03	0.00E+00	3.72E-03	6.48E-04
2311	500662.2	3732539	3.67E-03	0.00E+00	3.67E-03	6.40E-04
2312	500669.5	3732545	3.63E-03	0.00E+00	3.63E-03	6.32E-04
2313	500691.5	3732565	3.48E-03	0.00E+00	3.48E-03	6.07E-04
2314	500698.8	3732571	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2315	500706.1	3732578	3.38E-03	0.00E+00	3.38E-03	5.89E-04
2316	500713.4	3732584	3.33E-03	0.00E+00	3.33E-03	5.80E-04
2317	500720.8	3732591	3.27E-03	0.00E+00	3.27E-03	5.70E-04
2318	500728.1	3732597	3.22E-03	0.00E+00	3.22E-03	5.61E-04
2319	500735.4	3732604	3.17E-03	0.00E+00	3.17E-03	5.52E-04
2320	500742.7	3732610	3.11E-03	0.00E+00	3.11E-03	5.42E-04
2321	500750.1	3732617	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2322	500757.4	3732623	3.00E-03	0.00E+00	3.00E-03	5.23E-04
2323	500764.7	3732630	2.95E-03	0.00E+00	2.95E-03	5.14E-04
2324	500772	3732636	2.90E-03	0.00E+00	2.90E-03	5.05E-04
2325	500779.4	3732643	2.84E-03	0.00E+00	2.84E-03	4.95E-04
2326	500786.7	3732649	2.79E-03	0.00E+00	2.79E-03	4.86E-04
2327	500794	3732656	2.73E-03	0.00E+00	2.73E-03	4.76E-04
2328	500801.3	3732662	2.68E-03	0.00E+00	2.68E-03	4.67E-04
2329	500808.7	3732669	2.63E-03	0.00E+00	2.63E-03	4.58E-04
2330	500816	3732675	2.58E-03	0.00E+00	2.58E-03	4.49E-04
2331	500823.3	3732682	2.52E-03	0.00E+00	2.52E-03	4.40E-04
2332	500830.6	3732688	2.47E-03	0.00E+00	2.47E-03	4.31E-04
2333	500838	3732695	2.42E-03	0.00E+00	2.42E-03	4.22E-04
2334	500845.3	3732701	2.37E-03	0.00E+00	2.37E-03	4.14E-04
2335	500852.6	3732708	2.28E-03	0.00E+00	2.28E-03	3.98E-04
2336	500859.9	3732714	2.23E-03	0.00E+00	2.23E-03	3.89E-04
2337	500869	3732730	2.16E-03	0.00E+00	2.16E-03	3.76E-04
2338	500870.8	3732740	2.13E-03	0.00E+00	2.13E-03	3.72E-04
2339	500872.5	3732750	2.11E-03	0.00E+00	2.11E-03	3.68E-04
2340	500874.2	3732759	2.09E-03	0.00E+00	2.09E-03	3.64E-04
2341	500876	3732769	2.07E-03	0.00E+00	2.07E-03	3.60E-04
2342	500877.7	3732779	2.04E-03	0.00E+00	2.04E-03	3.56E-04
2343	500879.5	3732788	2.02E-03	0.00E+00	2.02E-03	3.52E-04

2344	500881.2	3732798	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2345	500883	3732808	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2346	500884.7	3732817	1.96E-03	0.00E+00	1.96E-03	3.41E-04
2347	500886.4	3732827	1.93E-03	0.00E+00	1.93E-03	3.37E-04
2348	500888.2	3732836	1.91E-03	0.00E+00	1.91E-03	3.33E-04
2349	500889.9	3732846	1.89E-03	0.00E+00	1.89E-03	3.29E-04
2350	500891.7	3732856	1.87E-03	0.00E+00	1.87E-03	3.25E-04
2351	500893.4	3732865	1.85E-03	0.00E+00	1.85E-03	3.22E-04
2352	500895.2	3732875	1.82E-03	0.00E+00	1.82E-03	3.18E-04
2353	500896.9	3732885	1.80E-03	0.00E+00	1.80E-03	3.14E-04
2354	500898.6	3732894	1.78E-03	0.00E+00	1.78E-03	3.10E-04
2355	500900.4	3732904	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2356	500902.1	3732914	1.74E-03	0.00E+00	1.74E-03	3.03E-04
2357	500903.9	3732923	1.72E-03	0.00E+00	1.72E-03	2.99E-04
2358	500905.6	3732933	1.70E-03	0.00E+00	1.70E-03	2.96E-04
2359	500912.6	3732971	1.62E-03	0.00E+00	1.62E-03	2.82E-04
2360	500914.3	3732981	1.60E-03	0.00E+00	1.60E-03	2.78E-04
2361	500916.1	3732991	1.58E-03	0.00E+00	1.58E-03	2.75E-04
2362	500917.8	3733000	1.56E-03	0.00E+00	1.56E-03	2.72E-04
2363	500919.6	3733010	1.54E-03	0.00E+00	1.54E-03	2.69E-04
2364	500921.3	3733020	1.52E-03	0.00E+00	1.52E-03	2.65E-04
2365	500924.8	3733039	1.49E-03	0.00E+00	1.49E-03	2.59E-04
2366	500926.5	3733049	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2367	500928.3	3733058	1.45E-03	0.00E+00	1.45E-03	2.53E-04
2368	500930	3733068	1.44E-03	0.00E+00	1.44E-03	2.51E-04
2369	500931.8	3733078	1.42E-03	0.00E+00	1.42E-03	2.48E-04
2370	500933.5	3733087	1.41E-03	0.00E+00	1.41E-03	2.45E-04
2371	500935.3	3733097	1.39E-03	0.00E+00	1.39E-03	2.42E-04
2372	500937	3733106	1.38E-03	0.00E+00	1.38E-03	2.40E-04
2373	500938.7	3733116	1.36E-03	0.00E+00	1.36E-03	2.37E-04
2374	500940.5	3733126	1.35E-03	0.00E+00	1.35E-03	2.35E-04
2375	500942.2	3733135	1.33E-03	0.00E+00	1.33E-03	2.32E-04
2376	500944	3733145	1.32E-03	0.00E+00	1.32E-03	2.30E-04
2377	500945.7	3733155	1.31E-03	0.00E+00	1.31E-03	2.27E-04
2378	500947.5	3733164	1.29E-03	0.00E+00	1.29E-03	2.25E-04
2379	500949.2	3733174	1.28E-03	0.00E+00	1.28E-03	2.23E-04
2380	500950.9	3733184	1.27E-03	0.00E+00	1.27E-03	2.21E-04
2381	500952.7	3733193	1.26E-03	0.00E+00	1.26E-03	2.19E-04
2382	500954.4	3733203	1.24E-03	0.00E+00	1.24E-03	2.17E-04
2383	500956.2	3733213	1.23E-03	0.00E+00	1.23E-03	2.15E-04
2384	500486.4	3732382	4.21E-03	0.00E+00	4.21E-03	7.33E-04
2385	500477.2	3732379	4.22E-03	0.00E+00	4.22E-03	7.36E-04
2386	500468.1	3732375	4.24E-03	0.00E+00	4.24E-03	7.38E-04
2387	500459	3732371	4.25E-03	0.00E+00	4.25E-03	7.40E-04
2388	500449.9	3732367	4.25E-03	0.00E+00	4.25E-03	7.41E-04
2389	500440.7	3732363	4.26E-03	0.00E+00	4.26E-03	7.42E-04
2390	500431.6	3732360	4.26E-03	0.00E+00	4.26E-03	7.43E-04

2391	500422.5	3732356	4.26E-03	0.00E+00	4.26E-03	7.43E-04
2392	500413.4	3732352	4.26E-03	0.00E+00	4.26E-03	7.42E-04
2393	500404.2	3732348	4.25E-03	0.00E+00	4.25E-03	7.41E-04
2394	500395.1	3732344	4.25E-03	0.00E+00	4.25E-03	7.40E-04
2395	500386	3732341	4.23E-03	0.00E+00	4.23E-03	7.38E-04
2396	500376.8	3732337	4.22E-03	0.00E+00	4.22E-03	7.36E-04
2397	500367.7	3732333	4.21E-03	0.00E+00	4.21E-03	7.33E-04
2398	500358.6	3732329	4.19E-03	0.00E+00	4.19E-03	7.30E-04
2399	500349.5	3732325	4.17E-03	0.00E+00	4.17E-03	7.26E-04
2400	500340.3	3732322	4.14E-03	0.00E+00	4.14E-03	7.22E-04
2401	500331.2	3732318	4.12E-03	0.00E+00	4.12E-03	7.18E-04
2402	500322.1	3732314	4.09E-03	0.00E+00	4.09E-03	7.13E-04
2403	500313	3732310	4.06E-03	0.00E+00	4.06E-03	7.08E-04
2404	500303.8	3732306	4.03E-03	0.00E+00	4.03E-03	7.03E-04
2405	500294.7	3732303	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2406	500285.6	3732299	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2407	500276.5	3732295	3.93E-03	0.00E+00	3.93E-03	6.84E-04
2408	500267.3	3732291	3.89E-03	0.00E+00	3.89E-03	6.78E-04
2409	500258.2	3732288	3.85E-03	0.00E+00	3.85E-03	6.71E-04
2410	500249.1	3732284	3.81E-03	0.00E+00	3.81E-03	6.64E-04
2411	500240	3732280	3.77E-03	0.00E+00	3.77E-03	6.56E-04
2412	500230.8	3732276	3.72E-03	0.00E+00	3.72E-03	6.48E-04
2413	500194.3	3732261	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2414	500185.2	3732257	3.48E-03	0.00E+00	3.48E-03	6.07E-04
2415	500176.1	3732253	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2416	500166.9	3732250	3.38E-03	0.00E+00	3.38E-03	5.90E-04
2417	500157.8	3732246	3.33E-03	0.00E+00	3.33E-03	5.81E-04
2418	500148.7	3732242	3.28E-03	0.00E+00	3.28E-03	5.72E-04
2419	500509	3732352	3.96E-03	0.00E+00	3.96E-03	6.91E-04
2420	500516.3	3732358	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2421	500523.5	3732365	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2422	500530.8	3732371	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2423	500538.1	3732378	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2424	500545.4	3732384	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2425	500567.2	3732404	3.93E-03	0.00E+00	3.93E-03	6.84E-04
2426	500589.1	3732423	3.88E-03	0.00E+00	3.88E-03	6.76E-04
2427	500596.4	3732429	3.86E-03	0.00E+00	3.86E-03	6.72E-04
2428	500603.6	3732436	3.84E-03	0.00E+00	3.84E-03	6.68E-04
2429	500610.9	3732442	3.81E-03	0.00E+00	3.81E-03	6.64E-04
2430	500618.2	3732449	3.78E-03	0.00E+00	3.78E-03	6.59E-04
2431	500625.5	3732455	3.76E-03	0.00E+00	3.76E-03	6.54E-04
2432	500632.8	3732462	3.73E-03	0.00E+00	3.73E-03	6.49E-04
2433	500640	3732468	3.69E-03	0.00E+00	3.69E-03	6.44E-04
2434	500647.3	3732475	3.66E-03	0.00E+00	3.66E-03	6.38E-04
2435	500654.6	3732481	3.63E-03	0.00E+00	3.63E-03	6.32E-04
2436	500661.9	3732488	3.59E-03	0.00E+00	3.59E-03	6.25E-04
2437	500669.2	3732494	3.55E-03	0.00E+00	3.55E-03	6.19E-04

2438	500676.4	3732501	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2439	500683.7	3732507	3.47E-03	0.00E+00	3.47E-03	6.05E-04
2440	500691	3732514	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2441	500698.3	3732520	3.39E-03	0.00E+00	3.39E-03	5.90E-04
2442	500705.6	3732527	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2443	500712.8	3732533	3.30E-03	0.00E+00	3.30E-03	5.75E-04
2444	500742	3732559	3.11E-03	0.00E+00	3.11E-03	5.42E-04
2445	500749.3	3732565	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2446	500756.5	3732572	3.01E-03	0.00E+00	3.01E-03	5.25E-04
2447	500763.8	3732578	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2448	500771.1	3732585	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2449	500778.4	3732591	2.87E-03	0.00E+00	2.87E-03	5.00E-04
2450	500785.7	3732598	2.82E-03	0.00E+00	2.82E-03	4.91E-04
2451	500792.9	3732604	2.77E-03	0.00E+00	2.77E-03	4.82E-04
2452	500800.2	3732611	2.72E-03	0.00E+00	2.72E-03	4.74E-04
2453	500807.5	3732617	2.67E-03	0.00E+00	2.67E-03	4.65E-04
2454	500814.8	3732624	2.62E-03	0.00E+00	2.62E-03	4.57E-04
2455	500822.1	3732630	2.57E-03	0.00E+00	2.57E-03	4.48E-04
2456	500829.3	3732636	2.53E-03	0.00E+00	2.53E-03	4.40E-04
2457	500836.6	3732643	2.48E-03	0.00E+00	2.48E-03	4.32E-04
2458	500843.9	3732649	2.43E-03	0.00E+00	2.43E-03	4.23E-04
2459	500851.2	3732656	2.38E-03	0.00E+00	2.38E-03	4.15E-04
2460	500858.5	3732662	2.34E-03	0.00E+00	2.34E-03	4.07E-04
2461	500865.7	3732669	2.25E-03	0.00E+00	2.25E-03	3.92E-04
2462	500873	3732675	2.20E-03	0.00E+00	2.20E-03	3.84E-04
2463	500880.3	3732682	2.16E-03	0.00E+00	2.16E-03	3.76E-04
2464	500887.6	3732688	2.11E-03	0.00E+00	2.11E-03	3.68E-04
2465	500894.9	3732695	2.07E-03	0.00E+00	2.07E-03	3.60E-04
2466	500903.9	3732711	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2467	500905.6	3732720	1.98E-03	0.00E+00	1.98E-03	3.46E-04
2468	500907.3	3732730	1.96E-03	0.00E+00	1.96E-03	3.42E-04
2469	500909.1	3732740	1.94E-03	0.00E+00	1.94E-03	3.39E-04
2470	500910.8	3732749	1.92E-03	0.00E+00	1.92E-03	3.35E-04
2471	500912.5	3732759	1.90E-03	0.00E+00	1.90E-03	3.32E-04
2472	500914.3	3732768	1.88E-03	0.00E+00	1.88E-03	3.28E-04
2473	500916	3732778	1.86E-03	0.00E+00	1.86E-03	3.25E-04
2474	500917.7	3732787	1.84E-03	0.00E+00	1.84E-03	3.21E-04
2475	500919.5	3732797	1.82E-03	0.00E+00	1.82E-03	3.18E-04
2476	500921.2	3732807	1.80E-03	0.00E+00	1.80E-03	3.14E-04
2477	500922.9	3732816	1.78E-03	0.00E+00	1.78E-03	3.11E-04
2478	500924.7	3732826	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2479	500926.4	3732835	1.74E-03	0.00E+00	1.74E-03	3.04E-04
2480	500928.1	3732845	1.72E-03	0.00E+00	1.72E-03	3.00E-04
2481	500929.9	3732855	1.70E-03	0.00E+00	1.70E-03	2.97E-04
2482	500931.6	3732864	1.69E-03	0.00E+00	1.69E-03	2.94E-04
2483	500933.3	3732874	1.67E-03	0.00E+00	1.67E-03	2.90E-04
2484	500935.1	3732883	1.65E-03	0.00E+00	1.65E-03	2.87E-04

2485	500936.8	3732893	1.63E-03	0.00E+00	1.63E-03	2.84E-04
2486	500938.5	3732902	1.61E-03	0.00E+00	1.61E-03	2.80E-04
2487	500940.3	3732912	1.59E-03	0.00E+00	1.59E-03	2.77E-04
2488	500942	3732922	1.57E-03	0.00E+00	1.57E-03	2.74E-04
2489	500943.7	3732931	1.55E-03	0.00E+00	1.55E-03	2.71E-04
2490	500950.7	3732970	1.48E-03	0.00E+00	1.48E-03	2.59E-04
2491	500952.4	3732979	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2492	500954.1	3732989	1.45E-03	0.00E+00	1.45E-03	2.53E-04
2493	500955.9	3732998	1.43E-03	0.00E+00	1.43E-03	2.50E-04
2494	500957.6	3733008	1.42E-03	0.00E+00	1.42E-03	2.47E-04
2495	500959.3	3733017	1.40E-03	0.00E+00	1.40E-03	2.44E-04
2496	500961.1	3733027	1.39E-03	0.00E+00	1.39E-03	2.42E-04
2497	500964.5	3733046	1.36E-03	0.00E+00	1.36E-03	2.36E-04
2498	500966.3	3733056	1.34E-03	0.00E+00	1.34E-03	2.34E-04
2499	500968	3733065	1.33E-03	0.00E+00	1.33E-03	2.31E-04
2500	500969.7	3733075	1.31E-03	0.00E+00	1.31E-03	2.29E-04
2501	500971.5	3733085	1.30E-03	0.00E+00	1.30E-03	2.26E-04
2502	500973.2	3733094	1.29E-03	0.00E+00	1.29E-03	2.24E-04
2503	500974.9	3733104	1.27E-03	0.00E+00	1.27E-03	2.22E-04
2504	500976.7	3733113	1.26E-03	0.00E+00	1.26E-03	2.20E-04
2505	500978.4	3733123	1.25E-03	0.00E+00	1.25E-03	2.17E-04
2506	500980.1	3733132	1.24E-03	0.00E+00	1.24E-03	2.15E-04
2507	500981.8	3733142	1.22E-03	0.00E+00	1.22E-03	2.13E-04
2508	500983.6	3733152	1.21E-03	0.00E+00	1.21E-03	2.11E-04
2509	500985.3	3733161	1.20E-03	0.00E+00	1.20E-03	2.09E-04
2510	500987	3733171	1.19E-03	0.00E+00	1.19E-03	2.07E-04
2511	500988.8	3733180	1.18E-03	0.00E+00	1.18E-03	2.05E-04
2512	500990.5	3733190	1.17E-03	0.00E+00	1.17E-03	2.03E-04
2513	500992.2	3733200	1.16E-03	0.00E+00	1.16E-03	2.02E-04
2514	500994	3733209	1.15E-03	0.00E+00	1.15E-03	2.00E-04
2515	500995.7	3733219	1.14E-03	0.00E+00	1.14E-03	1.98E-04
2516	500501.7	3732345	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2517	500492.6	3732342	3.97E-03	0.00E+00	3.97E-03	6.92E-04
2518	500483.5	3732338	3.98E-03	0.00E+00	3.98E-03	6.94E-04
2519	500474.3	3732334	3.99E-03	0.00E+00	3.99E-03	6.95E-04
2520	500465.2	3732330	3.99E-03	0.00E+00	3.99E-03	6.96E-04
2521	500456.1	3732326	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2522	500446.9	3732323	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2523	500437.8	3732319	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2524	500428.7	3732315	4.00E-03	0.00E+00	4.00E-03	6.96E-04
2525	500419.6	3732311	3.99E-03	0.00E+00	3.99E-03	6.95E-04
2526	500410.4	3732307	3.98E-03	0.00E+00	3.98E-03	6.94E-04
2527	500401.3	3732304	3.97E-03	0.00E+00	3.97E-03	6.92E-04
2528	500392.2	3732300	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2529	500383.1	3732296	3.95E-03	0.00E+00	3.95E-03	6.88E-04
2530	500373.9	3732292	3.93E-03	0.00E+00	3.93E-03	6.85E-04
2531	500364.8	3732288	3.91E-03	0.00E+00	3.91E-03	6.82E-04

2532	500355.7	3732285	3.89E-03	0.00E+00	3.89E-03	6.78E-04
2533	500346.6	3732281	3.87E-03	0.00E+00	3.87E-03	6.74E-04
2534	500337.4	3732277	3.84E-03	0.00E+00	3.84E-03	6.70E-04
2535	500328.3	3732273	3.82E-03	0.00E+00	3.82E-03	6.65E-04
2536	500319.2	3732270	3.79E-03	0.00E+00	3.79E-03	6.60E-04
2537	500310.1	3732266	3.76E-03	0.00E+00	3.76E-03	6.55E-04
2538	500300.9	3732262	3.73E-03	0.00E+00	3.73E-03	6.50E-04
2539	500291.8	3732258	3.70E-03	0.00E+00	3.70E-03	6.44E-04
2540	500282.7	3732254	3.66E-03	0.00E+00	3.66E-03	6.38E-04
2541	500273.6	3732251	3.63E-03	0.00E+00	3.63E-03	6.32E-04
2542	500264.4	3732247	3.59E-03	0.00E+00	3.59E-03	6.25E-04
2543	500255.3	3732243	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2544	500246.2	3732239	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2545	500237	3732235	3.47E-03	0.00E+00	3.47E-03	6.04E-04
2546	500227.9	3732232	3.43E-03	0.00E+00	3.43E-03	5.97E-04
2547	500191.4	3732216	3.25E-03	0.00E+00	3.25E-03	5.67E-04
2548	500182.3	3732213	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2549	500173.2	3732209	3.16E-03	0.00E+00	3.16E-03	5.51E-04
2550	500164	3732205	3.12E-03	0.00E+00	3.12E-03	5.43E-04
2551	500524.4	3732315	3.74E-03	0.00E+00	3.74E-03	6.51E-04
2552	500531.8	3732322	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2553	500539.2	3732328	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2554	500546.5	3732335	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2555	500568.6	3732354	3.73E-03	0.00E+00	3.73E-03	6.50E-04
2556	500576	3732361	3.72E-03	0.00E+00	3.72E-03	6.48E-04
2557	500583.4	3732367	3.71E-03	0.00E+00	3.71E-03	6.47E-04
2558	500590.7	3732374	3.70E-03	0.00E+00	3.70E-03	6.45E-04
2559	500598.1	3732380	3.69E-03	0.00E+00	3.69E-03	6.42E-04
2560	500605.5	3732387	3.67E-03	0.00E+00	3.67E-03	6.39E-04
2561	500612.8	3732394	3.65E-03	0.00E+00	3.65E-03	6.36E-04
2562	500620.2	3732400	3.63E-03	0.00E+00	3.63E-03	6.33E-04
2563	500649.7	3732426	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2564	500657	3732433	3.51E-03	0.00E+00	3.51E-03	6.11E-04
2565	500664.4	3732439	3.48E-03	0.00E+00	3.48E-03	6.06E-04
2566	500671.8	3732446	3.45E-03	0.00E+00	3.45E-03	6.00E-04
2567	500679.1	3732452	3.41E-03	0.00E+00	3.41E-03	5.95E-04
2568	500686.5	3732459	3.38E-03	0.00E+00	3.38E-03	5.89E-04
2569	500693.9	3732466	3.34E-03	0.00E+00	3.34E-03	5.83E-04
2570	500701.3	3732472	3.31E-03	0.00E+00	3.31E-03	5.76E-04
2571	500708.6	3732479	3.27E-03	0.00E+00	3.27E-03	5.70E-04
2572	500716	3732485	3.23E-03	0.00E+00	3.23E-03	5.63E-04
2573	500723.4	3732492	3.19E-03	0.00E+00	3.19E-03	5.56E-04
2574	500730.7	3732498	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2575	500738.1	3732505	3.11E-03	0.00E+00	3.11E-03	5.41E-04
2576	500745.5	3732511	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2577	500752.8	3732518	3.02E-03	0.00E+00	3.02E-03	5.26E-04
2578	500760.2	3732524	2.98E-03	0.00E+00	2.98E-03	5.19E-04

2579	500767.6	3732531	2.93E-03	0.00E+00	2.93E-03	5.11E-04
2580	500789.7	3732551	2.80E-03	0.00E+00	2.80E-03	4.88E-04
2581	500797	3732557	2.75E-03	0.00E+00	2.75E-03	4.80E-04
2582	500804.4	3732564	2.71E-03	0.00E+00	2.71E-03	4.72E-04
2583	500811.8	3732570	2.66E-03	0.00E+00	2.66E-03	4.64E-04
2584	500819.1	3732577	2.62E-03	0.00E+00	2.62E-03	4.56E-04
2585	500826.5	3732583	2.57E-03	0.00E+00	2.57E-03	4.48E-04
2586	500833.9	3732590	2.53E-03	0.00E+00	2.53E-03	4.40E-04
2587	500841.2	3732596	2.48E-03	0.00E+00	2.48E-03	4.32E-04
2588	500848.6	3732603	2.44E-03	0.00E+00	2.44E-03	4.25E-04
2589	500856	3732610	2.39E-03	0.00E+00	2.39E-03	4.17E-04
2590	500863.3	3732616	2.32E-03	0.00E+00	2.32E-03	4.04E-04
2591	500870.7	3732623	2.27E-03	0.00E+00	2.27E-03	3.95E-04
2592	500878.1	3732629	2.22E-03	0.00E+00	2.22E-03	3.87E-04
2593	500885.5	3732636	2.18E-03	0.00E+00	2.18E-03	3.79E-04
2594	500892.8	3732642	2.13E-03	0.00E+00	2.13E-03	3.71E-04
2595	500900.2	3732649	2.09E-03	0.00E+00	2.09E-03	3.64E-04
2596	500907.6	3732655	2.05E-03	0.00E+00	2.05E-03	3.57E-04
2597	500914.9	3732662	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2598	500922.3	3732669	1.96E-03	0.00E+00	1.96E-03	3.42E-04
2599	500929.7	3732675	1.92E-03	0.00E+00	1.92E-03	3.35E-04
2600	500938.8	3732691	1.87E-03	0.00E+00	1.87E-03	3.25E-04
2601	500940.5	3732701	1.85E-03	0.00E+00	1.85E-03	3.22E-04
2602	500942.3	3732711	1.83E-03	0.00E+00	1.83E-03	3.19E-04
2603	500944	3732720	1.81E-03	0.00E+00	1.81E-03	3.16E-04
2604	500945.8	3732730	1.79E-03	0.00E+00	1.79E-03	3.12E-04
2605	500947.5	3732740	1.77E-03	0.00E+00	1.77E-03	3.09E-04
2606	500949.3	3732750	1.76E-03	0.00E+00	1.76E-03	3.06E-04
2607	500951.1	3732759	1.74E-03	0.00E+00	1.74E-03	3.03E-04
2608	500952.8	3732769	1.72E-03	0.00E+00	1.72E-03	3.00E-04
2609	500954.6	3732779	1.70E-03	0.00E+00	1.70E-03	2.96E-04
2610	500956.3	3732788	1.68E-03	0.00E+00	1.68E-03	2.93E-04
2611	500958.1	3732798	1.66E-03	0.00E+00	1.66E-03	2.90E-04
2612	500959.8	3732808	1.65E-03	0.00E+00	1.65E-03	2.87E-04
2613	500961.6	3732817	1.63E-03	0.00E+00	1.63E-03	2.84E-04
2614	500963.3	3732827	1.61E-03	0.00E+00	1.61E-03	2.81E-04
2615	500965.1	3732837	1.59E-03	0.00E+00	1.59E-03	2.77E-04
2616	500966.8	3732846	1.57E-03	0.00E+00	1.57E-03	2.74E-04
2617	500968.6	3732856	1.56E-03	0.00E+00	1.56E-03	2.71E-04
2618	500970.3	3732866	1.54E-03	0.00E+00	1.54E-03	2.68E-04
2619	500972.1	3732876	1.52E-03	0.00E+00	1.52E-03	2.65E-04
2620	500973.8	3732885	1.51E-03	0.00E+00	1.51E-03	2.62E-04
2621	500975.6	3732895	1.49E-03	0.00E+00	1.49E-03	2.59E-04
2622	500977.4	3732905	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2623	500979.1	3732914	1.45E-03	0.00E+00	1.45E-03	2.52E-04
2624	500980.9	3732924	1.43E-03	0.00E+00	1.43E-03	2.49E-04
2625	500982.6	3732934	1.41E-03	0.00E+00	1.41E-03	2.47E-04

2626	500989.6	3732973	1.36E-03	0.00E+00	1.36E-03	2.37E-04
2627	500991.4	3732982	1.34E-03	0.00E+00	1.34E-03	2.34E-04
2628	500993.1	3732992	1.33E-03	0.00E+00	1.33E-03	2.31E-04
2629	500994.9	3733002	1.31E-03	0.00E+00	1.31E-03	2.29E-04
2630	501000.1	3733031	1.27E-03	0.00E+00	1.27E-03	2.21E-04
2631	501001.9	3733040	1.26E-03	0.00E+00	1.26E-03	2.19E-04
2632	501003.7	3733050	1.24E-03	0.00E+00	1.24E-03	2.17E-04
2633	501024.7	3733167	1.11E-03	0.00E+00	1.11E-03	1.93E-04
2634	501028.2	3733186	1.09E-03	0.00E+00	1.09E-03	1.89E-04
2635	501030	3733196	1.08E-03	0.00E+00	1.08E-03	1.88E-04
2636	501031.7	3733205	1.07E-03	0.00E+00	1.07E-03	1.87E-04
2637	501033.5	3733215	1.06E-03	0.00E+00	1.06E-03	1.85E-04
2638	501035.2	3733225	1.05E-03	0.00E+00	1.05E-03	1.84E-04
2639	500517.1	3732308	3.73E-03	0.00E+00	3.73E-03	6.50E-04
2640	500507.9	3732305	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2641	500498.8	3732301	3.75E-03	0.00E+00	3.75E-03	6.53E-04
2642	500489.7	3732297	3.76E-03	0.00E+00	3.76E-03	6.54E-04
2643	500480.5	3732293	3.76E-03	0.00E+00	3.76E-03	6.55E-04
2644	500471.4	3732289	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2645	500462.3	3732286	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2646	500453.2	3732282	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2647	500444	3732278	3.76E-03	0.00E+00	3.76E-03	6.55E-04
2648	500434.9	3732274	3.75E-03	0.00E+00	3.75E-03	6.54E-04
2649	500425.8	3732271	3.75E-03	0.00E+00	3.75E-03	6.53E-04
2650	500416.7	3732267	3.74E-03	0.00E+00	3.74E-03	6.51E-04
2651	500407.5	3732263	3.73E-03	0.00E+00	3.73E-03	6.49E-04
2652	500398.4	3732259	3.71E-03	0.00E+00	3.71E-03	6.47E-04
2653	500389.3	3732255	3.70E-03	0.00E+00	3.70E-03	6.44E-04
2654	500380.2	3732252	3.68E-03	0.00E+00	3.68E-03	6.41E-04
2655	500371	3732248	3.66E-03	0.00E+00	3.66E-03	6.38E-04
2656	500361.9	3732244	3.64E-03	0.00E+00	3.64E-03	6.34E-04
2657	500352.8	3732240	3.62E-03	0.00E+00	3.62E-03	6.30E-04
2658	500343.7	3732236	3.59E-03	0.00E+00	3.59E-03	6.26E-04
2659	500334.5	3732233	3.57E-03	0.00E+00	3.57E-03	6.22E-04
2660	500325.4	3732229	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2661	500316.3	3732225	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2662	500307.1	3732221	3.48E-03	0.00E+00	3.48E-03	6.07E-04
2663	500298	3732217	3.45E-03	0.00E+00	3.45E-03	6.02E-04
2664	500288.9	3732214	3.42E-03	0.00E+00	3.42E-03	5.96E-04
2665	500279.8	3732210	3.39E-03	0.00E+00	3.39E-03	5.90E-04
2666	500270.6	3732206	3.35E-03	0.00E+00	3.35E-03	5.84E-04
2667	500261.5	3732202	3.32E-03	0.00E+00	3.32E-03	5.78E-04
2668	500252.4	3732198	3.28E-03	0.00E+00	3.28E-03	5.72E-04
2669	500243.3	3732195	3.24E-03	0.00E+00	3.24E-03	5.65E-04
2670	500234.1	3732191	3.21E-03	0.00E+00	3.21E-03	5.58E-04
2671	500225	3732187	3.17E-03	0.00E+00	3.17E-03	5.52E-04
2672	500539.7	3732278	3.53E-03	0.00E+00	3.53E-03	6.15E-04

2673	500547	3732285	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2674	500569	3732304	3.54E-03	0.00E+00	3.54E-03	6.16E-04
2675	500576.3	3732311	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2676	500583.7	3732317	3.53E-03	0.00E+00	3.53E-03	6.15E-04
2677	500591	3732324	3.52E-03	0.00E+00	3.52E-03	6.14E-04
2678	500598.3	3732330	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2679	500605.6	3732337	3.50E-03	0.00E+00	3.50E-03	6.11E-04
2680	500613	3732343	3.49E-03	0.00E+00	3.49E-03	6.08E-04
2681	500620.3	3732350	3.48E-03	0.00E+00	3.48E-03	6.06E-04
2682	500627.6	3732356	3.46E-03	0.00E+00	3.46E-03	6.04E-04
2683	500634.9	3732363	3.45E-03	0.00E+00	3.45E-03	6.01E-04
2684	500642.3	3732369	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2685	500649.6	3732376	3.41E-03	0.00E+00	3.41E-03	5.94E-04
2686	500656.9	3732382	3.39E-03	0.00E+00	3.39E-03	5.90E-04
2687	500664.2	3732389	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2688	500671.6	3732395	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2689	500678.9	3732402	3.32E-03	0.00E+00	3.32E-03	5.78E-04
2690	500700.9	3732421	3.23E-03	0.00E+00	3.23E-03	5.63E-04
2691	500708.2	3732428	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2692	500715.5	3732434	3.17E-03	0.00E+00	3.17E-03	5.52E-04
2693	500722.9	3732441	3.13E-03	0.00E+00	3.13E-03	5.46E-04
2694	500730.2	3732447	3.10E-03	0.00E+00	3.10E-03	5.40E-04
2695	500737.5	3732454	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2696	500744.8	3732460	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2697	500752.2	3732467	2.99E-03	0.00E+00	2.99E-03	5.21E-04
2698	500759.5	3732473	2.95E-03	0.00E+00	2.95E-03	5.15E-04
2699	500766.8	3732480	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2700	500774.1	3732486	2.88E-03	0.00E+00	2.88E-03	5.01E-04
2701	500781.5	3732493	2.84E-03	0.00E+00	2.84E-03	4.94E-04
2702	500788.8	3732499	2.80E-03	0.00E+00	2.80E-03	4.87E-04
2703	500818.1	3732525	2.63E-03	0.00E+00	2.63E-03	4.59E-04
2704	500847.4	3732551	2.47E-03	0.00E+00	2.47E-03	4.30E-04
2705	500854.7	3732558	2.43E-03	0.00E+00	2.43E-03	4.23E-04
2706	500862	3732564	2.36E-03	0.00E+00	2.36E-03	4.11E-04
2707	500869.4	3732571	2.32E-03	0.00E+00	2.32E-03	4.04E-04
2708	500876.7	3732577	2.27E-03	0.00E+00	2.27E-03	3.96E-04
2709	500884	3732584	2.23E-03	0.00E+00	2.23E-03	3.88E-04
2710	500891.3	3732590	2.19E-03	0.00E+00	2.19E-03	3.81E-04
2711	500898.7	3732597	2.14E-03	0.00E+00	2.14E-03	3.74E-04
2712	500906	3732603	2.10E-03	0.00E+00	2.10E-03	3.66E-04
2713	500913.3	3732610	2.06E-03	0.00E+00	2.06E-03	3.59E-04
2714	500920.6	3732616	2.02E-03	0.00E+00	2.02E-03	3.52E-04
2715	500928	3732623	1.98E-03	0.00E+00	1.98E-03	3.46E-04
2716	500935.3	3732629	1.94E-03	0.00E+00	1.94E-03	3.39E-04
2717	500942.6	3732636	1.91E-03	0.00E+00	1.91E-03	3.32E-04
2718	500949.9	3732642	1.87E-03	0.00E+00	1.87E-03	3.26E-04
2719	500957.3	3732649	1.83E-03	0.00E+00	1.83E-03	3.19E-04

2720	500964.6	3732656	1.80E-03	0.00E+00	1.80E-03	3.13E-04
2721	500973.7	3732672	1.74E-03	0.00E+00	1.74E-03	3.04E-04
2722	500975.4	3732681	1.73E-03	0.00E+00	1.73E-03	3.01E-04
2723	500977.1	3732691	1.71E-03	0.00E+00	1.71E-03	2.98E-04
2724	500978.9	3732701	1.69E-03	0.00E+00	1.69E-03	2.95E-04
2725	500980.6	3732710	1.68E-03	0.00E+00	1.68E-03	2.92E-04
2726	500982.4	3732720	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2727	500984.1	3732730	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2728	500985.9	3732739	1.63E-03	0.00E+00	1.63E-03	2.83E-04
2729	500987.6	3732749	1.61E-03	0.00E+00	1.61E-03	2.80E-04
2730	500989.3	3732758	1.59E-03	0.00E+00	1.59E-03	2.78E-04
2731	500991.1	3732768	1.58E-03	0.00E+00	1.58E-03	2.75E-04
2732	500992.8	3732778	1.56E-03	0.00E+00	1.56E-03	2.72E-04
2733	500994.6	3732787	1.54E-03	0.00E+00	1.54E-03	2.69E-04
2734	500996.3	3732797	1.52E-03	0.00E+00	1.52E-03	2.66E-04
2735	500998.1	3732807	1.51E-03	0.00E+00	1.51E-03	2.63E-04
2736	500999.8	3732816	1.49E-03	0.00E+00	1.49E-03	2.60E-04
2737	501001.5	3732826	1.47E-03	0.00E+00	1.47E-03	2.57E-04
2738	501003.3	3732836	1.46E-03	0.00E+00	1.46E-03	2.54E-04
2739	501020.7	3732932	1.31E-03	0.00E+00	1.31E-03	2.28E-04
2740	501029.4	3732980	1.24E-03	0.00E+00	1.24E-03	2.16E-04
2741	501031.2	3732990	1.23E-03	0.00E+00	1.23E-03	2.14E-04
2742	501039.9	3733038	1.17E-03	0.00E+00	1.17E-03	2.03E-04
2743	501041.6	3733048	1.15E-03	0.00E+00	1.15E-03	2.01E-04
2744	501046.9	3733077	1.12E-03	0.00E+00	1.12E-03	1.95E-04
2745	501048.6	3733086	1.11E-03	0.00E+00	1.11E-03	1.93E-04
2746	501050.3	3733096	1.10E-03	0.00E+00	1.10E-03	1.92E-04
2747	501052.1	3733106	1.09E-03	0.00E+00	1.09E-03	1.90E-04
2748	501053.8	3733115	1.08E-03	0.00E+00	1.08E-03	1.88E-04
2749	501055.6	3733125	1.07E-03	0.00E+00	1.07E-03	1.86E-04
2750	501057.3	3733135	1.06E-03	0.00E+00	1.06E-03	1.85E-04
2751	501059.1	3733144	1.05E-03	0.00E+00	1.05E-03	1.83E-04
2752	501060.8	3733154	1.04E-03	0.00E+00	1.04E-03	1.81E-04
2753	501062.6	3733163	1.03E-03	0.00E+00	1.03E-03	1.80E-04
2754	500532.4	3732271	3.52E-03	0.00E+00	3.52E-03	6.14E-04
2755	500523.3	3732268	3.53E-03	0.00E+00	3.53E-03	6.15E-04
2756	500514.1	3732264	3.54E-03	0.00E+00	3.54E-03	6.16E-04
2757	500505	3732260	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2758	500495.9	3732256	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2759	500486.8	3732253	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2760	500477.6	3732249	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2761	500468.5	3732245	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2762	500459.4	3732241	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2763	500450.3	3732237	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2764	500441.1	3732234	3.53E-03	0.00E+00	3.53E-03	6.15E-04
2765	500432	3732230	3.52E-03	0.00E+00	3.52E-03	6.14E-04
2766	500422.9	3732226	3.51E-03	0.00E+00	3.51E-03	6.12E-04

2767	500413.8	3732222	3.50E-03	0.00E+00	3.50E-03	6.10E-04
2768	500404.6	3732218	3.49E-03	0.00E+00	3.49E-03	6.07E-04
2769	500395.5	3732215	3.47E-03	0.00E+00	3.47E-03	6.05E-04
2770	500386.4	3732211	3.45E-03	0.00E+00	3.45E-03	6.02E-04
2771	500377.2	3732207	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2772	500368.1	3732203	3.41E-03	0.00E+00	3.41E-03	5.95E-04
2773	500359	3732199	3.39E-03	0.00E+00	3.39E-03	5.91E-04
2774	500349.9	3732196	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2775	500340.7	3732192	3.34E-03	0.00E+00	3.34E-03	5.83E-04
2776	500331.6	3732188	3.32E-03	0.00E+00	3.32E-03	5.78E-04
2777	500322.5	3732184	3.29E-03	0.00E+00	3.29E-03	5.74E-04
2778	500194.7	3732131	2.82E-03	0.00E+00	2.82E-03	4.91E-04
2779	500568.2	3732258	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2780	500575.6	3732265	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2781	500582.9	3732271	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2782	500590.3	3732278	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2783	500597.7	3732284	3.36E-03	0.00E+00	3.36E-03	5.86E-04
2784	500605.1	3732291	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2785	500612.4	3732297	3.35E-03	0.00E+00	3.35E-03	5.84E-04
2786	500619.8	3732304	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2787	500627.2	3732311	3.33E-03	0.00E+00	3.33E-03	5.81E-04
2788	500634.5	3732317	3.32E-03	0.00E+00	3.32E-03	5.79E-04
2789	500641.9	3732324	3.31E-03	0.00E+00	3.31E-03	5.76E-04
2790	500649.3	3732330	3.29E-03	0.00E+00	3.29E-03	5.74E-04
2791	500656.6	3732337	3.28E-03	0.00E+00	3.28E-03	5.71E-04
2792	500664	3732343	3.26E-03	0.00E+00	3.26E-03	5.68E-04
2793	500671.4	3732350	3.24E-03	0.00E+00	3.24E-03	5.65E-04
2794	500678.8	3732356	3.22E-03	0.00E+00	3.22E-03	5.61E-04
2795	500686.1	3732363	3.20E-03	0.00E+00	3.20E-03	5.57E-04
2796	500693.5	3732369	3.18E-03	0.00E+00	3.18E-03	5.53E-04
2797	500700.9	3732376	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2798	500708.2	3732383	3.13E-03	0.00E+00	3.13E-03	5.45E-04
2799	500715.6	3732389	3.10E-03	0.00E+00	3.10E-03	5.40E-04
2800	500723	3732396	3.07E-03	0.00E+00	3.07E-03	5.35E-04
2801	500730.4	3732402	3.04E-03	0.00E+00	3.04E-03	5.30E-04
2802	500752.5	3732422	2.95E-03	0.00E+00	2.95E-03	5.14E-04
2803	500759.8	3732428	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2804	500767.2	3732435	2.88E-03	0.00E+00	2.88E-03	5.02E-04
2805	500774.6	3732442	2.85E-03	0.00E+00	2.85E-03	4.96E-04
2806	500781.9	3732448	2.81E-03	0.00E+00	2.81E-03	4.90E-04
2807	500789.3	3732455	2.78E-03	0.00E+00	2.78E-03	4.84E-04
2808	500818.8	3732481	2.63E-03	0.00E+00	2.63E-03	4.58E-04
2809	500826.2	3732487	2.59E-03	0.00E+00	2.59E-03	4.51E-04
2810	500833.5	3732494	2.55E-03	0.00E+00	2.55E-03	4.44E-04
2811	500840.9	3732500	2.51E-03	0.00E+00	2.51E-03	4.38E-04
2812	500848.3	3732507	2.47E-03	0.00E+00	2.47E-03	4.31E-04
2813	500855.6	3732514	2.43E-03	0.00E+00	2.43E-03	4.24E-04

2814	500863	3732520	2.38E-03	0.00E+00	2.38E-03	4.14E-04
2815	500870.4	3732527	2.34E-03	0.00E+00	2.34E-03	4.07E-04
2816	500899.9	3732553	2.17E-03	0.00E+00	2.17E-03	3.78E-04
2817	500907.2	3732559	2.13E-03	0.00E+00	2.13E-03	3.71E-04
2818	500914.6	3732566	2.09E-03	0.00E+00	2.09E-03	3.65E-04
2819	500922	3732572	2.05E-03	0.00E+00	2.05E-03	3.58E-04
2820	500929.3	3732579	2.02E-03	0.00E+00	2.02E-03	3.51E-04
2821	500936.7	3732586	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2822	500944.1	3732592	1.94E-03	0.00E+00	1.94E-03	3.38E-04
2823	500951.5	3732599	1.90E-03	0.00E+00	1.90E-03	3.32E-04
2824	500958.8	3732605	1.87E-03	0.00E+00	1.87E-03	3.25E-04
2825	500966.2	3732612	1.83E-03	0.00E+00	1.83E-03	3.19E-04
2826	500973.6	3732618	1.80E-03	0.00E+00	1.80E-03	3.13E-04
2827	500980.9	3732625	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2828	500988.3	3732631	1.73E-03	0.00E+00	1.73E-03	3.01E-04
2829	500995.7	3732638	1.69E-03	0.00E+00	1.69E-03	2.95E-04
2830	501022.3	3732751	1.48E-03	0.00E+00	1.48E-03	2.58E-04
2831	501024.1	3732761	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2832	501025.9	3732771	1.45E-03	0.00E+00	1.45E-03	2.53E-04
2833	501027.6	3732780	1.44E-03	0.00E+00	1.44E-03	2.51E-04
2834	501029.4	3732790	1.42E-03	0.00E+00	1.42E-03	2.48E-04
2835	501031.1	3732800	1.41E-03	0.00E+00	1.41E-03	2.45E-04
2836	501032.9	3732809	1.39E-03	0.00E+00	1.39E-03	2.43E-04
2837	501034.6	3732819	1.38E-03	0.00E+00	1.38E-03	2.40E-04
2838	501036.4	3732829	1.36E-03	0.00E+00	1.36E-03	2.38E-04
2839	501038.1	3732839	1.35E-03	0.00E+00	1.35E-03	2.35E-04
2840	501039.9	3732848	1.34E-03	0.00E+00	1.34E-03	2.33E-04
2841	501041.6	3732858	1.32E-03	0.00E+00	1.32E-03	2.30E-04
2842	501043.4	3732868	1.31E-03	0.00E+00	1.31E-03	2.28E-04
2843	501045.1	3732877	1.29E-03	0.00E+00	1.29E-03	2.25E-04
2844	501046.9	3732887	1.28E-03	0.00E+00	1.28E-03	2.23E-04
2845	501092.5	3733139	9.92E-04	0.00E+00	9.92E-04	1.73E-04
2846	501103	3733198	9.45E-04	0.00E+00	9.45E-04	1.65E-04
2847	501104.8	3733207	9.38E-04	0.00E+00	9.38E-04	1.63E-04
2848	501106.5	3733217	9.31E-04	0.00E+00	9.31E-04	1.62E-04
2849	500546.1	3732239	3.35E-03	0.00E+00	3.35E-03	5.84E-04
2850	500537	3732235	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2851	500527.8	3732231	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2852	500518.7	3732227	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2853	500509.6	3732223	3.37E-03	0.00E+00	3.37E-03	5.88E-04
2854	500500.5	3732220	3.37E-03	0.00E+00	3.37E-03	5.88E-04
2855	500491.3	3732216	3.37E-03	0.00E+00	3.37E-03	5.88E-04
2856	500482.2	3732212	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2857	500473.1	3732208	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2858	500464	3732204	3.36E-03	0.00E+00	3.36E-03	5.86E-04
2859	500454.8	3732201	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2860	500445.7	3732197	3.35E-03	0.00E+00	3.35E-03	5.83E-04

2861	500436.6	3732193	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2862	500427.5	3732189	3.33E-03	0.00E+00	3.33E-03	5.80E-04
2863	500418.3	3732185	3.31E-03	0.00E+00	3.31E-03	5.77E-04
2864	500409.2	3732182	3.30E-03	0.00E+00	3.30E-03	5.75E-04
2865	500290.6	3732132	3.00E-03	0.00E+00	3.00E-03	5.22E-04
2866	500281.4	3732129	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2867	500272.3	3732125	2.94E-03	0.00E+00	2.94E-03	5.12E-04
2868	500263.2	3732121	2.90E-03	0.00E+00	2.90E-03	5.06E-04
2869	500567.1	3732212	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2870	500574.4	3732218	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2871	500581.7	3732225	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2872	500589	3732231	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2873	500596.3	3732238	3.21E-03	0.00E+00	3.21E-03	5.60E-04
2874	500603.6	3732244	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2875	500610.9	3732251	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2876	500618.2	3732257	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2877	500625.5	3732264	3.20E-03	0.00E+00	3.20E-03	5.57E-04
2878	500632.8	3732270	3.19E-03	0.00E+00	3.19E-03	5.56E-04
2879	500640.1	3732277	3.18E-03	0.00E+00	3.18E-03	5.55E-04
2880	500647.4	3732283	3.18E-03	0.00E+00	3.18E-03	5.53E-04
2881	500654.7	3732290	3.16E-03	0.00E+00	3.16E-03	5.51E-04
2882	500662	3732296	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2883	500669.3	3732303	3.14E-03	0.00E+00	3.14E-03	5.47E-04
2884	500676.6	3732309	3.12E-03	0.00E+00	3.12E-03	5.44E-04
2885	500683.9	3732316	3.11E-03	0.00E+00	3.11E-03	5.41E-04
2886	500691.2	3732322	3.09E-03	0.00E+00	3.09E-03	5.38E-04
2887	500698.5	3732329	3.07E-03	0.00E+00	3.07E-03	5.35E-04
2888	500705.8	3732335	3.05E-03	0.00E+00	3.05E-03	5.32E-04
2889	500713.1	3732342	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2890	500720.4	3732348	3.01E-03	0.00E+00	3.01E-03	5.24E-04
2891	500727.7	3732355	2.98E-03	0.00E+00	2.98E-03	5.20E-04
2892	500735	3732361	2.96E-03	0.00E+00	2.96E-03	5.16E-04
2893	500742.3	3732368	2.93E-03	0.00E+00	2.93E-03	5.11E-04
2894	500749.6	3732374	2.91E-03	0.00E+00	2.91E-03	5.06E-04
2895	500756.9	3732381	2.88E-03	0.00E+00	2.88E-03	5.02E-04
2896	500764.2	3732387	2.85E-03	0.00E+00	2.85E-03	4.97E-04
2897	500771.5	3732394	2.82E-03	0.00E+00	2.82E-03	4.91E-04
2898	500778.7	3732400	2.79E-03	0.00E+00	2.79E-03	4.86E-04
2899	500786	3732407	2.76E-03	0.00E+00	2.76E-03	4.81E-04
2900	500815.2	3732432	2.63E-03	0.00E+00	2.63E-03	4.58E-04
2901	500822.5	3732439	2.60E-03	0.00E+00	2.60E-03	4.52E-04
2902	500829.8	3732445	2.56E-03	0.00E+00	2.56E-03	4.46E-04
2903	500837.1	3732452	2.53E-03	0.00E+00	2.53E-03	4.40E-04
2904	500844.4	3732458	2.49E-03	0.00E+00	2.49E-03	4.34E-04
2905	500851.7	3732465	2.46E-03	0.00E+00	2.46E-03	4.28E-04
2906	500859	3732471	2.42E-03	0.00E+00	2.42E-03	4.22E-04
2907	500866.3	3732478	2.39E-03	0.00E+00	2.39E-03	4.16E-04

2908	500873.6	3732484	2.35E-03	0.00E+00	2.35E-03	4.10E-04
2909	500880.9	3732491	2.31E-03	0.00E+00	2.31E-03	4.03E-04
2910	500888.2	3732497	2.26E-03	0.00E+00	2.26E-03	3.94E-04
2911	500895.5	3732504	2.22E-03	0.00E+00	2.22E-03	3.87E-04
2912	500902.8	3732510	2.18E-03	0.00E+00	2.18E-03	3.81E-04
2913	500910.1	3732517	2.15E-03	0.00E+00	2.15E-03	3.74E-04
2914	500917.4	3732523	2.11E-03	0.00E+00	2.11E-03	3.67E-04
2915	500924.7	3732530	2.07E-03	0.00E+00	2.07E-03	3.61E-04
2916	500946.6	3732549	1.96E-03	0.00E+00	1.96E-03	3.42E-04
2917	500953.9	3732556	1.93E-03	0.00E+00	1.93E-03	3.36E-04
2918	500961.2	3732562	1.89E-03	0.00E+00	1.89E-03	3.30E-04
2919	500968.5	3732569	1.86E-03	0.00E+00	1.86E-03	3.24E-04
2920	500975.8	3732575	1.82E-03	0.00E+00	1.82E-03	3.18E-04
2921	500983.1	3732582	1.79E-03	0.00E+00	1.79E-03	3.12E-04
2922	500990.4	3732588	1.76E-03	0.00E+00	1.76E-03	3.06E-04
2923	500997.7	3732595	1.72E-03	0.00E+00	1.72E-03	3.00E-04
2924	501026.9	3732621	1.60E-03	0.00E+00	1.60E-03	2.78E-04
2925	501035.9	3732637	1.55E-03	0.00E+00	1.55E-03	2.70E-04
2926	501037.7	3732646	1.54E-03	0.00E+00	1.54E-03	2.67E-04
2927	501039.4	3732656	1.52E-03	0.00E+00	1.52E-03	2.65E-04
2928	501041.1	3732665	1.51E-03	0.00E+00	1.51E-03	2.62E-04
2929	501042.9	3732675	1.49E-03	0.00E+00	1.49E-03	2.60E-04
2930	501044.6	3732685	1.48E-03	0.00E+00	1.48E-03	2.57E-04
2931	501046.3	3732694	1.46E-03	0.00E+00	1.46E-03	2.55E-04
2932	501048.1	3732704	1.45E-03	0.00E+00	1.45E-03	2.52E-04
2933	501049.8	3732714	1.44E-03	0.00E+00	1.44E-03	2.50E-04
2934	501051.6	3732723	1.42E-03	0.00E+00	1.42E-03	2.48E-04
2935	501053.3	3732733	1.41E-03	0.00E+00	1.41E-03	2.45E-04
2936	501055	3732742	1.39E-03	0.00E+00	1.39E-03	2.43E-04
2937	501056.8	3732752	1.38E-03	0.00E+00	1.38E-03	2.40E-04
2938	501058.5	3732762	1.37E-03	0.00E+00	1.37E-03	2.38E-04
2939	501060.2	3732771	1.35E-03	0.00E+00	1.35E-03	2.35E-04
2940	501062	3732781	1.34E-03	0.00E+00	1.34E-03	2.33E-04
2941	501063.7	3732790	1.32E-03	0.00E+00	1.32E-03	2.31E-04
2942	501065.5	3732800	1.31E-03	0.00E+00	1.31E-03	2.28E-04
2943	501067.2	3732810	1.30E-03	0.00E+00	1.30E-03	2.26E-04
2944	501068.9	3732819	1.28E-03	0.00E+00	1.28E-03	2.24E-04
2945	501070.7	3732829	1.27E-03	0.00E+00	1.27E-03	2.22E-04
2946	501072.4	3732838	1.26E-03	0.00E+00	1.26E-03	2.19E-04
2947	501074.1	3732848	1.25E-03	0.00E+00	1.25E-03	2.17E-04
2948	501075.9	3732858	1.23E-03	0.00E+00	1.23E-03	2.15E-04
2949	501077.6	3732867	1.22E-03	0.00E+00	1.22E-03	2.13E-04
2950	501079.3	3732877	1.21E-03	0.00E+00	1.21E-03	2.10E-04
2951	501138.4	3733204	8.89E-04	0.00E+00	8.89E-04	1.55E-04
2952	501140.1	3733213	8.82E-04	0.00E+00	8.82E-04	1.54E-04
2953	501141.9	3733223	8.76E-04	0.00E+00	8.76E-04	1.53E-04
2954	501145.3	3733242	8.64E-04	0.00E+00	8.64E-04	1.51E-04

2955	500559.8	3732206	3.19E-03	0.00E+00	3.19E-03	5.57E-04
2956	500550.7	3732202	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2957	500541.5	3732198	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2958	500532.4	3732194	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2959	500523.3	3732190	3.21E-03	0.00E+00	3.21E-03	5.60E-04
2960	500514.2	3732187	3.21E-03	0.00E+00	3.21E-03	5.60E-04
2961	500505	3732183	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2962	500386.4	3732133	3.07E-03	0.00E+00	3.07E-03	5.36E-04
2963	500377.3	3732130	3.05E-03	0.00E+00	3.05E-03	5.32E-04
2964	500368.1	3732126	3.03E-03	0.00E+00	3.03E-03	5.29E-04
2965	500359	3732122	3.01E-03	0.00E+00	3.01E-03	5.25E-04
2966	500349.9	3732118	2.99E-03	0.00E+00	2.99E-03	5.21E-04
2967	500340.8	3732115	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2968	500331.6	3732111	2.94E-03	0.00E+00	2.94E-03	5.13E-04
2969	500322.5	3732107	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2970	500313.4	3732103	2.89E-03	0.00E+00	2.89E-03	5.04E-04
2971	500304.3	3732099	2.86E-03	0.00E+00	2.86E-03	4.99E-04
2972	500295.1	3732096	2.84E-03	0.00E+00	2.84E-03	4.94E-04
2973	500286	3732092	2.81E-03	0.00E+00	2.81E-03	4.89E-04
2974	500276.9	3732088	2.78E-03	0.00E+00	2.78E-03	4.84E-04
2975	500267.8	3732084	2.75E-03	0.00E+00	2.75E-03	4.79E-04
2976	500258.6	3732080	2.72E-03	0.00E+00	2.72E-03	4.74E-04
2977	500588.2	3732186	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2978	500595.5	3732192	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2979	500602.9	3732199	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2980	500610.2	3732205	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2981	500617.5	3732212	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2982	500624.9	3732218	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2983	500632.2	3732225	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2984	500639.6	3732231	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2985	500646.9	3732238	3.05E-03	0.00E+00	3.05E-03	5.32E-04
2986	500654.2	3732244	3.05E-03	0.00E+00	3.05E-03	5.31E-04
2987	500661.6	3732251	3.04E-03	0.00E+00	3.04E-03	5.29E-04
2988	500668.9	3732257	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2989	500676.3	3732264	3.02E-03	0.00E+00	3.02E-03	5.26E-04
2990	500683.6	3732270	3.01E-03	0.00E+00	3.01E-03	5.24E-04
2991	500691	3732277	2.99E-03	0.00E+00	2.99E-03	5.21E-04
2992	500698.3	3732283	2.98E-03	0.00E+00	2.98E-03	5.19E-04
2993	500705.6	3732290	2.96E-03	0.00E+00	2.96E-03	5.16E-04
2994	500713	3732296	2.95E-03	0.00E+00	2.95E-03	5.13E-04
2995	500720.3	3732303	2.93E-03	0.00E+00	2.93E-03	5.10E-04
2996	500727.7	3732310	2.91E-03	0.00E+00	2.91E-03	5.07E-04
2997	500735	3732316	2.89E-03	0.00E+00	2.89E-03	5.03E-04
2998	500742.3	3732323	2.87E-03	0.00E+00	2.87E-03	4.99E-04
2999	500749.7	3732329	2.84E-03	0.00E+00	2.84E-03	4.96E-04
3000	500757	3732336	2.82E-03	0.00E+00	2.82E-03	4.91E-04
3001	500764.4	3732342	2.80E-03	0.00E+00	2.80E-03	4.87E-04

3002	500771.7	3732349	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3003	500779	3732355	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3004	500786.4	3732362	2.72E-03	0.00E+00	2.72E-03	4.73E-04
3005	500793.7	3732368	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3006	500815.7	3732388	2.60E-03	0.00E+00	2.60E-03	4.54E-04
3007	500823.1	3732394	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3008	500830.4	3732401	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3009	500837.8	3732407	2.51E-03	0.00E+00	2.51E-03	4.37E-04
3010	500845.1	3732414	2.48E-03	0.00E+00	2.48E-03	4.32E-04
3011	500852.4	3732420	2.45E-03	0.00E+00	2.45E-03	4.26E-04
3012	500859.8	3732427	2.41E-03	0.00E+00	2.41E-03	4.21E-04
3013	500867.1	3732433	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3014	500874.5	3732440	2.35E-03	0.00E+00	2.35E-03	4.09E-04
3015	500881.8	3732446	2.32E-03	0.00E+00	2.32E-03	4.03E-04
3016	500889.2	3732453	2.28E-03	0.00E+00	2.28E-03	3.98E-04
3017	500896.5	3732460	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3018	500903.8	3732466	2.20E-03	0.00E+00	2.20E-03	3.83E-04
3019	500911.2	3732473	2.16E-03	0.00E+00	2.16E-03	3.77E-04
3020	500918.5	3732479	2.13E-03	0.00E+00	2.13E-03	3.70E-04
3021	500925.9	3732486	2.09E-03	0.00E+00	2.09E-03	3.64E-04
3022	500933.2	3732492	2.06E-03	0.00E+00	2.06E-03	3.58E-04
3023	500940.5	3732499	2.02E-03	0.00E+00	2.02E-03	3.52E-04
3024	500947.9	3732505	1.99E-03	0.00E+00	1.99E-03	3.46E-04
3025	500955.2	3732512	1.95E-03	0.00E+00	1.95E-03	3.40E-04
3026	500962.6	3732518	1.92E-03	0.00E+00	1.92E-03	3.34E-04
3027	500969.9	3732525	1.88E-03	0.00E+00	1.88E-03	3.28E-04
3028	500977.2	3732531	1.85E-03	0.00E+00	1.85E-03	3.23E-04
3029	500991.9	3732544	1.79E-03	0.00E+00	1.79E-03	3.11E-04
3030	500999.3	3732551	1.75E-03	0.00E+00	1.75E-03	3.06E-04
3031	501028.6	3732577	1.63E-03	0.00E+00	1.63E-03	2.84E-04
3032	501036	3732583	1.60E-03	0.00E+00	1.60E-03	2.79E-04
3033	501043.3	3732590	1.57E-03	0.00E+00	1.57E-03	2.73E-04
3034	501050.7	3732597	1.54E-03	0.00E+00	1.54E-03	2.68E-04
3035	501058	3732603	1.51E-03	0.00E+00	1.51E-03	2.63E-04
3036	501067.1	3732619	1.47E-03	0.00E+00	1.47E-03	2.55E-04
3037	501068.8	3732629	1.45E-03	0.00E+00	1.45E-03	2.53E-04
3038	501070.6	3732639	1.44E-03	0.00E+00	1.44E-03	2.51E-04
3039	501072.3	3732648	1.43E-03	0.00E+00	1.43E-03	2.49E-04
3040	501074.1	3732658	1.41E-03	0.00E+00	1.41E-03	2.46E-04
3041	501075.8	3732668	1.40E-03	0.00E+00	1.40E-03	2.44E-04
3042	501077.6	3732677	1.39E-03	0.00E+00	1.39E-03	2.42E-04
3043	501079.3	3732687	1.37E-03	0.00E+00	1.37E-03	2.39E-04
3044	501081.1	3732697	1.36E-03	0.00E+00	1.36E-03	2.37E-04
3045	501082.8	3732706	1.35E-03	0.00E+00	1.35E-03	2.35E-04
3046	501084.5	3732716	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3047	501086.3	3732726	1.32E-03	0.00E+00	1.32E-03	2.30E-04
3048	501088	3732735	1.31E-03	0.00E+00	1.31E-03	2.28E-04

3049	501089.8	3732745	1.30E-03	0.00E+00	1.30E-03	2.26E-04
3050	501091.5	3732755	1.28E-03	0.00E+00	1.28E-03	2.23E-04
3051	501093.3	3732764	1.27E-03	0.00E+00	1.27E-03	2.21E-04
3052	501095	3732774	1.26E-03	0.00E+00	1.26E-03	2.19E-04
3053	501096.8	3732784	1.24E-03	0.00E+00	1.24E-03	2.17E-04
3054	501098.5	3732793	1.23E-03	0.00E+00	1.23E-03	2.15E-04
3055	501100.3	3732803	1.22E-03	0.00E+00	1.22E-03	2.13E-04
3056	501102	3732813	1.21E-03	0.00E+00	1.21E-03	2.11E-04
3057	501103.8	3732822	1.20E-03	0.00E+00	1.20E-03	2.08E-04
3058	501105.5	3732832	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3059	501107.3	3732841	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3060	501109	3732851	1.16E-03	0.00E+00	1.16E-03	2.02E-04
3061	501110.8	3732861	1.15E-03	0.00E+00	1.15E-03	2.00E-04
3062	500482.2	3732135	3.04E-03	0.00E+00	3.04E-03	5.30E-04
3063	500473.1	3732131	3.04E-03	0.00E+00	3.04E-03	5.29E-04
3064	500464	3732127	3.03E-03	0.00E+00	3.03E-03	5.28E-04
3065	500454.9	3732123	3.02E-03	0.00E+00	3.02E-03	5.26E-04
3066	500445.7	3732119	3.01E-03	0.00E+00	3.01E-03	5.24E-04
3067	500436.6	3732116	2.99E-03	0.00E+00	2.99E-03	5.22E-04
3068	500427.5	3732112	2.98E-03	0.00E+00	2.98E-03	5.19E-04
3069	500418.4	3732108	2.97E-03	0.00E+00	2.97E-03	5.17E-04
3070	500409.2	3732104	2.95E-03	0.00E+00	2.95E-03	5.14E-04
3071	500400.1	3732101	2.93E-03	0.00E+00	2.93E-03	5.11E-04
3072	500391	3732097	2.92E-03	0.00E+00	2.92E-03	5.08E-04
3073	500381.8	3732093	2.90E-03	0.00E+00	2.90E-03	5.05E-04
3074	500372.7	3732089	2.88E-03	0.00E+00	2.88E-03	5.01E-04
3075	500363.6	3732085	2.86E-03	0.00E+00	2.86E-03	4.97E-04
3076	500354.5	3732082	2.83E-03	0.00E+00	2.83E-03	4.94E-04
3077	500345.3	3732078	2.81E-03	0.00E+00	2.81E-03	4.90E-04
3078	500336.2	3732074	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3079	500327.1	3732070	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3080	500318	3732066	2.74E-03	0.00E+00	2.74E-03	4.77E-04
3081	500308.8	3732063	2.71E-03	0.00E+00	2.71E-03	4.73E-04
3082	500299.7	3732059	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3083	500290.6	3732055	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3084	500281.5	3732051	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3085	500272.3	3732047	2.61E-03	0.00E+00	2.61E-03	4.54E-04
3086	500638.9	3732185	2.93E-03	0.00E+00	2.93E-03	5.11E-04
3087	500646.2	3732192	2.93E-03	0.00E+00	2.93E-03	5.10E-04
3088	500653.6	3732199	2.93E-03	0.00E+00	2.93E-03	5.10E-04
3089	500661	3732205	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3090	500668.4	3732212	2.92E-03	0.00E+00	2.92E-03	5.08E-04
3091	500675.8	3732218	2.91E-03	0.00E+00	2.91E-03	5.07E-04
3092	500683.1	3732225	2.90E-03	0.00E+00	2.90E-03	5.05E-04
3093	500690.5	3732231	2.89E-03	0.00E+00	2.89E-03	5.04E-04
3094	500697.9	3732238	2.88E-03	0.00E+00	2.88E-03	5.02E-04
3095	500705.3	3732244	2.87E-03	0.00E+00	2.87E-03	5.00E-04

3096	500712.7	3732251	2.86E-03	0.00E+00	2.86E-03	4.98E-04
3097	500720.1	3732258	2.84E-03	0.00E+00	2.84E-03	4.95E-04
3098	500727.4	3732264	2.83E-03	0.00E+00	2.83E-03	4.93E-04
3099	500734.8	3732271	2.81E-03	0.00E+00	2.81E-03	4.90E-04
3100	500742.2	3732277	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3101	500749.6	3732284	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3102	500757	3732290	2.76E-03	0.00E+00	2.76E-03	4.80E-04
3103	500764.3	3732297	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3104	500771.7	3732304	2.71E-03	0.00E+00	2.71E-03	4.73E-04
3105	500779.1	3732310	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3106	500786.5	3732317	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3107	500793.9	3732323	2.64E-03	0.00E+00	2.64E-03	4.61E-04
3108	500816	3732343	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3109	500823.4	3732349	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3110	500830.8	3732356	2.51E-03	0.00E+00	2.51E-03	4.38E-04
3111	500838.1	3732363	2.49E-03	0.00E+00	2.49E-03	4.33E-04
3112	500845.5	3732369	2.46E-03	0.00E+00	2.46E-03	4.28E-04
3113	500852.9	3732376	2.43E-03	0.00E+00	2.43E-03	4.23E-04
3114	500860.3	3732382	2.40E-03	0.00E+00	2.40E-03	4.18E-04
3115	500867.7	3732389	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3116	500875.1	3732395	2.34E-03	0.00E+00	2.34E-03	4.08E-04
3117	500882.4	3732402	2.31E-03	0.00E+00	2.31E-03	4.02E-04
3118	500889.8	3732408	2.28E-03	0.00E+00	2.28E-03	3.97E-04
3119	500897.2	3732415	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3120	500904.6	3732422	2.21E-03	0.00E+00	2.21E-03	3.84E-04
3121	500912	3732428	2.17E-03	0.00E+00	2.17E-03	3.79E-04
3122	500919.3	3732435	2.14E-03	0.00E+00	2.14E-03	3.73E-04
3123	500926.7	3732441	2.10E-03	0.00E+00	2.10E-03	3.67E-04
3124	500934.1	3732448	2.07E-03	0.00E+00	2.07E-03	3.61E-04
3125	500941.5	3732454	2.04E-03	0.00E+00	2.04E-03	3.55E-04
3126	500948.9	3732461	2.01E-03	0.00E+00	2.01E-03	3.49E-04
3127	500956.2	3732467	1.97E-03	0.00E+00	1.97E-03	3.44E-04
3128	500963.6	3732474	1.94E-03	0.00E+00	1.94E-03	3.38E-04
3129	500971	3732481	1.91E-03	0.00E+00	1.91E-03	3.32E-04
3130	500978.4	3732487	1.87E-03	0.00E+00	1.87E-03	3.27E-04
3131	500985.8	3732494	1.84E-03	0.00E+00	1.84E-03	3.21E-04
3132	500993.1	3732500	1.81E-03	0.00E+00	1.81E-03	3.16E-04
3133	501000.5	3732507	1.78E-03	0.00E+00	1.78E-03	3.10E-04
3134	501007.9	3732513	1.75E-03	0.00E+00	1.75E-03	3.05E-04
3135	501015.3	3732520	1.72E-03	0.00E+00	1.72E-03	2.99E-04
3136	501022.7	3732527	1.69E-03	0.00E+00	1.69E-03	2.94E-04
3137	501052.2	3732553	1.57E-03	0.00E+00	1.57E-03	2.73E-04
3138	501059.6	3732559	1.54E-03	0.00E+00	1.54E-03	2.68E-04
3139	501067	3732566	1.51E-03	0.00E+00	1.51E-03	2.63E-04
3140	501074.3	3732572	1.48E-03	0.00E+00	1.48E-03	2.58E-04
3141	501081.7	3732579	1.46E-03	0.00E+00	1.46E-03	2.54E-04
3142	501089.1	3732586	1.43E-03	0.00E+00	1.43E-03	2.49E-04

3143	501098.2	3732602	1.39E-03	0.00E+00	1.39E-03	2.42E-04
3144	501100	3732612	1.38E-03	0.00E+00	1.38E-03	2.40E-04
3145	501101.7	3732621	1.37E-03	0.00E+00	1.37E-03	2.38E-04
3146	501103.5	3732631	1.35E-03	0.00E+00	1.35E-03	2.36E-04
3147	501105.3	3732641	1.34E-03	0.00E+00	1.34E-03	2.34E-04
3148	501107	3732650	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3149	501108.8	3732660	1.32E-03	0.00E+00	1.32E-03	2.29E-04
3150	501110.5	3732670	1.30E-03	0.00E+00	1.30E-03	2.27E-04
3151	501112.3	3732680	1.29E-03	0.00E+00	1.29E-03	2.25E-04
3152	501114	3732689	1.28E-03	0.00E+00	1.28E-03	2.23E-04
3153	501115.8	3732699	1.27E-03	0.00E+00	1.27E-03	2.21E-04
3154	501117.6	3732709	1.26E-03	0.00E+00	1.26E-03	2.19E-04
3155	501119.3	3732718	1.24E-03	0.00E+00	1.24E-03	2.17E-04
3156	501121.1	3732728	1.23E-03	0.00E+00	1.23E-03	2.15E-04
3157	501122.8	3732738	1.22E-03	0.00E+00	1.22E-03	2.12E-04
3158	501124.6	3732748	1.21E-03	0.00E+00	1.21E-03	2.10E-04
3159	501126.3	3732757	1.20E-03	0.00E+00	1.20E-03	2.08E-04
3160	501128.1	3732767	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3161	501129.8	3732777	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3162	501131.6	3732786	1.16E-03	0.00E+00	1.16E-03	2.02E-04
3163	501133.4	3732796	1.15E-03	0.00E+00	1.15E-03	2.00E-04
3164	501135.1	3732806	1.14E-03	0.00E+00	1.14E-03	1.98E-04
3165	501136.9	3732816	1.13E-03	0.00E+00	1.13E-03	1.96E-04
3166	501138.6	3732825	1.12E-03	0.00E+00	1.12E-03	1.94E-04
3167	501140.4	3732835	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3168	501142.1	3732845	1.09E-03	0.00E+00	1.09E-03	1.90E-04
3169	501143.9	3732854	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3170	501207.1	3733204	7.94E-04	0.00E+00	7.94E-04	1.38E-04
3171	501208.9	3733214	7.88E-04	0.00E+00	7.88E-04	1.37E-04
3172	501210.6	3733224	7.83E-04	0.00E+00	7.83E-04	1.36E-04
3173	501212.4	3733233	7.78E-04	0.00E+00	7.78E-04	1.35E-04
3174	501214.2	3733243	7.73E-04	0.00E+00	7.73E-04	1.35E-04
3175	501215.9	3733253	7.68E-04	0.00E+00	7.68E-04	1.34E-04
3176	500568.9	3732132	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3177	500559.8	3732128	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3178	500550.7	3732124	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3179	500541.6	3732121	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3180	500532.4	3732117	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3181	500523.3	3732113	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3182	500514.2	3732109	2.92E-03	0.00E+00	2.92E-03	5.08E-04
3183	500505.1	3732105	2.91E-03	0.00E+00	2.91E-03	5.07E-04
3184	500495.9	3732102	2.91E-03	0.00E+00	2.91E-03	5.06E-04
3185	500486.8	3732098	2.90E-03	0.00E+00	2.90E-03	5.05E-04
3186	500477.7	3732094	2.89E-03	0.00E+00	2.89E-03	5.03E-04
3187	500468.6	3732090	2.88E-03	0.00E+00	2.88E-03	5.02E-04
3188	500459.4	3732086	2.87E-03	0.00E+00	2.87E-03	5.00E-04
3189	500450.3	3732083	2.86E-03	0.00E+00	2.86E-03	4.98E-04

3190	500441.2	3732079	2.85E-03	0.00E+00	2.85E-03	4.96E-04
3191	500432.1	3732075	2.83E-03	0.00E+00	2.83E-03	4.94E-04
3192	500422.9	3732071	2.82E-03	0.00E+00	2.82E-03	4.91E-04
3193	500413.8	3732068	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3194	500404.7	3732064	2.79E-03	0.00E+00	2.79E-03	4.85E-04
3195	500395.5	3732060	2.77E-03	0.00E+00	2.77E-03	4.82E-04
3196	500386.4	3732056	2.75E-03	0.00E+00	2.75E-03	4.79E-04
3197	500377.3	3732052	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3198	500368.2	3732049	2.71E-03	0.00E+00	2.71E-03	4.72E-04
3199	500359	3732045	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3200	500349.9	3732041	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3201	500340.8	3732037	2.65E-03	0.00E+00	2.65E-03	4.61E-04
3202	500331.7	3732033	2.62E-03	0.00E+00	2.62E-03	4.57E-04
3203	500322.5	3732030	2.60E-03	0.00E+00	2.60E-03	4.53E-04
3204	500313.4	3732026	2.57E-03	0.00E+00	2.57E-03	4.49E-04
3205	500304.3	3732022	2.55E-03	0.00E+00	2.55E-03	4.44E-04
3206	500295.2	3732018	2.53E-03	0.00E+00	2.53E-03	4.40E-04
3207	500286	3732014	2.50E-03	0.00E+00	2.50E-03	4.36E-04
3208	500608.2	3732113	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3209	500615.5	3732120	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3210	500622.8	3732126	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3211	500630.2	3732133	2.80E-03	0.00E+00	2.80E-03	4.89E-04
3212	500688.7	3732185	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3213	500696	3732191	2.78E-03	0.00E+00	2.78E-03	4.85E-04
3214	500703.3	3732198	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3215	500710.6	3732204	2.77E-03	0.00E+00	2.77E-03	4.82E-04
3216	500717.9	3732211	2.76E-03	0.00E+00	2.76E-03	4.80E-04
3217	500725.3	3732217	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3218	500732.6	3732224	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3219	500739.9	3732230	2.72E-03	0.00E+00	2.72E-03	4.74E-04
3220	500747.2	3732237	2.71E-03	0.00E+00	2.71E-03	4.71E-04
3221	500754.5	3732243	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3222	500761.8	3732250	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3223	500769.2	3732256	2.66E-03	0.00E+00	2.66E-03	4.63E-04
3224	500776.5	3732263	2.64E-03	0.00E+00	2.64E-03	4.60E-04
3225	500783.8	3732269	2.62E-03	0.00E+00	2.62E-03	4.56E-04
3226	500791.1	3732276	2.60E-03	0.00E+00	2.60E-03	4.53E-04
3227	500820.4	3732302	2.51E-03	0.00E+00	2.51E-03	4.38E-04
3228	500827.7	3732308	2.49E-03	0.00E+00	2.49E-03	4.34E-04
3229	500835	3732315	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3230	500842.3	3732321	2.44E-03	0.00E+00	2.44E-03	4.25E-04
3231	500849.6	3732328	2.42E-03	0.00E+00	2.42E-03	4.21E-04
3232	500856.9	3732334	2.39E-03	0.00E+00	2.39E-03	4.17E-04
3233	500864.3	3732341	2.36E-03	0.00E+00	2.36E-03	4.12E-04
3234	500871.6	3732347	2.34E-03	0.00E+00	2.34E-03	4.07E-04
3235	500878.9	3732354	2.31E-03	0.00E+00	2.31E-03	4.03E-04
3236	500886.2	3732360	2.28E-03	0.00E+00	2.28E-03	3.98E-04

3237	500893.5	3732367	2.26E-03	0.00E+00	2.26E-03	3.93E-04
3238	500900.8	3732373	2.23E-03	0.00E+00	2.23E-03	3.88E-04
3239	500908.2	3732380	2.19E-03	0.00E+00	2.19E-03	3.82E-04
3240	500915.5	3732386	2.16E-03	0.00E+00	2.16E-03	3.77E-04
3241	500922.8	3732393	2.13E-03	0.00E+00	2.13E-03	3.72E-04
3242	500930.1	3732399	2.10E-03	0.00E+00	2.10E-03	3.66E-04
3243	500937.4	3732406	2.07E-03	0.00E+00	2.07E-03	3.61E-04
3244	500944.7	3732412	2.04E-03	0.00E+00	2.04E-03	3.55E-04
3245	500952	3732419	2.01E-03	0.00E+00	2.01E-03	3.50E-04
3246	500959.4	3732425	1.98E-03	0.00E+00	1.98E-03	3.45E-04
3247	500966.7	3732432	1.95E-03	0.00E+00	1.95E-03	3.39E-04
3248	500974	3732438	1.92E-03	0.00E+00	1.92E-03	3.34E-04
3249	500981.3	3732445	1.89E-03	0.00E+00	1.89E-03	3.29E-04
3250	500988.6	3732451	1.86E-03	0.00E+00	1.86E-03	3.23E-04
3251	500995.9	3732458	1.83E-03	0.00E+00	1.83E-03	3.18E-04
3252	501003.3	3732464	1.80E-03	0.00E+00	1.80E-03	3.13E-04
3253	501010.6	3732471	1.77E-03	0.00E+00	1.77E-03	3.08E-04
3254	501017.9	3732477	1.74E-03	0.00E+00	1.74E-03	3.03E-04
3255	501025.2	3732484	1.71E-03	0.00E+00	1.71E-03	2.97E-04
3256	501032.5	3732490	1.68E-03	0.00E+00	1.68E-03	2.92E-04
3257	501039.8	3732497	1.65E-03	0.00E+00	1.65E-03	2.88E-04
3258	501047.1	3732503	1.62E-03	0.00E+00	1.62E-03	2.82E-04
3259	501054.5	3732510	1.59E-03	0.00E+00	1.59E-03	2.77E-04
3260	501061.8	3732516	1.56E-03	0.00E+00	1.56E-03	2.72E-04
3261	501069.1	3732523	1.53E-03	0.00E+00	1.53E-03	2.67E-04
3262	501076.4	3732529	1.51E-03	0.00E+00	1.51E-03	2.63E-04
3263	501083.7	3732536	1.48E-03	0.00E+00	1.48E-03	2.58E-04
3264	501120.3	3732568	1.36E-03	0.00E+00	1.36E-03	2.36E-04
3265	501129.4	3732584	1.32E-03	0.00E+00	1.32E-03	2.30E-04
3266	501131.1	3732594	1.31E-03	0.00E+00	1.31E-03	2.28E-04
3267	501132.8	3732603	1.30E-03	0.00E+00	1.30E-03	2.26E-04
3268	501134.6	3732613	1.29E-03	0.00E+00	1.29E-03	2.24E-04
3269	501136.3	3732623	1.27E-03	0.00E+00	1.27E-03	2.22E-04
3270	501138.1	3732632	1.26E-03	0.00E+00	1.26E-03	2.20E-04
3271	501139.8	3732642	1.25E-03	0.00E+00	1.25E-03	2.18E-04
3272	501141.5	3732652	1.24E-03	0.00E+00	1.24E-03	2.16E-04
3273	501143.3	3732661	1.23E-03	0.00E+00	1.23E-03	2.14E-04
3274	501145	3732671	1.22E-03	0.00E+00	1.22E-03	2.12E-04
3275	501146.8	3732681	1.20E-03	0.00E+00	1.20E-03	2.10E-04
3276	501148.5	3732690	1.19E-03	0.00E+00	1.19E-03	2.08E-04
3277	501150.2	3732700	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3278	501152	3732709	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3279	501153.7	3732719	1.16E-03	0.00E+00	1.16E-03	2.02E-04
3280	501155.5	3732729	1.15E-03	0.00E+00	1.15E-03	2.00E-04
3281	501157.2	3732738	1.14E-03	0.00E+00	1.14E-03	1.98E-04
3282	501159	3732748	1.12E-03	0.00E+00	1.12E-03	1.96E-04
3283	501160.7	3732758	1.11E-03	0.00E+00	1.11E-03	1.94E-04

3284	501162.4	3732767	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3285	501164.2	3732777	1.09E-03	0.00E+00	1.09E-03	1.90E-04
3286	501165.9	3732786	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3287	501167.7	3732796	1.07E-03	0.00E+00	1.07E-03	1.87E-04
3288	501169.4	3732806	1.06E-03	0.00E+00	1.06E-03	1.85E-04
3289	501171.1	3732815	1.05E-03	0.00E+00	1.05E-03	1.83E-04
3290	501172.9	3732825	1.04E-03	0.00E+00	1.04E-03	1.82E-04
3291	501174.6	3732835	1.03E-03	0.00E+00	1.03E-03	1.80E-04
3292	501176.4	3732844	1.02E-03	0.00E+00	1.02E-03	1.78E-04
3293	501246	3733229	7.41E-04	0.00E+00	7.41E-04	1.29E-04
3294	501247.7	3733239	7.37E-04	0.00E+00	7.37E-04	1.28E-04
3295	501249.5	3733249	7.32E-04	0.00E+00	7.32E-04	1.28E-04
3296	501251.2	3733258	7.27E-04	0.00E+00	7.27E-04	1.27E-04
3297	500600.9	3732107	2.79E-03	0.00E+00	2.79E-03	4.85E-04
3298	500591.8	3732103	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3299	500582.6	3732099	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3300	500573.5	3732095	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3301	500564.4	3732091	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3302	500555.3	3732088	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3303	500546.1	3732084	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3304	500537	3732080	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3305	500527.9	3732076	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3306	500518.8	3732072	2.78E-03	0.00E+00	2.78E-03	4.85E-04
3307	500509.6	3732069	2.78E-03	0.00E+00	2.78E-03	4.84E-04
3308	500500.5	3732065	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3309	500491.4	3732061	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3310	500482.3	3732057	2.75E-03	0.00E+00	2.75E-03	4.80E-04
3311	500473.1	3732054	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3312	500464	3732050	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3313	500454.9	3732046	2.72E-03	0.00E+00	2.72E-03	4.74E-04
3314	500445.8	3732042	2.71E-03	0.00E+00	2.71E-03	4.72E-04
3315	500436.6	3732038	2.69E-03	0.00E+00	2.69E-03	4.70E-04
3316	500427.5	3732035	2.68E-03	0.00E+00	2.68E-03	4.67E-04
3317	500418.4	3732031	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3318	500409.2	3732027	2.65E-03	0.00E+00	2.65E-03	4.61E-04
3319	500400.1	3732023	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3320	500391	3732019	2.61E-03	0.00E+00	2.61E-03	4.55E-04
3321	500381.9	3732016	2.60E-03	0.00E+00	2.60E-03	4.52E-04
3322	500372.7	3732012	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3323	500363.6	3732008	2.56E-03	0.00E+00	2.56E-03	4.45E-04
3324	500354.5	3732004	2.54E-03	0.00E+00	2.54E-03	4.42E-04
3325	500345.4	3732000	2.51E-03	0.00E+00	2.51E-03	4.38E-04
3326	500336.2	3731997	2.49E-03	0.00E+00	2.49E-03	4.34E-04
3327	500327.1	3731993	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3328	500318	3731989	2.45E-03	0.00E+00	2.45E-03	4.26E-04
3329	500308.9	3731985	2.42E-03	0.00E+00	2.42E-03	4.22E-04
3330	500299.7	3731981	2.40E-03	0.00E+00	2.40E-03	4.18E-04

3331	500622	3732080	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3332	500629.3	3732087	2.68E-03	0.00E+00	2.68E-03	4.67E-04
3333	500636.7	3732093	2.68E-03	0.00E+00	2.68E-03	4.67E-04
3334	500644	3732100	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3335	500651.4	3732106	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3336	500658.7	3732113	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3337	500666.1	3732119	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3338	500673.4	3732126	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3339	500680.8	3732132	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3340	500739.6	3732185	2.64E-03	0.00E+00	2.64E-03	4.59E-04
3341	500747	3732191	2.63E-03	0.00E+00	2.63E-03	4.58E-04
3342	500754.3	3732198	2.61E-03	0.00E+00	2.61E-03	4.55E-04
3343	500761.7	3732204	2.60E-03	0.00E+00	2.60E-03	4.53E-04
3344	500769	3732211	2.59E-03	0.00E+00	2.59E-03	4.51E-04
3345	500776.4	3732217	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3346	500783.7	3732224	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3347	500791.1	3732230	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3348	500820.5	3732257	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3349	500827.9	3732263	2.45E-03	0.00E+00	2.45E-03	4.27E-04
3350	500835.2	3732270	2.43E-03	0.00E+00	2.43E-03	4.23E-04
3351	500842.6	3732276	2.41E-03	0.00E+00	2.41E-03	4.19E-04
3352	500849.9	3732283	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3353	500857.3	3732289	2.36E-03	0.00E+00	2.36E-03	4.11E-04
3354	500864.6	3732296	2.34E-03	0.00E+00	2.34E-03	4.07E-04
3355	500872	3732302	2.31E-03	0.00E+00	2.31E-03	4.03E-04
3356	500879.3	3732309	2.29E-03	0.00E+00	2.29E-03	3.99E-04
3357	500886.7	3732315	2.26E-03	0.00E+00	2.26E-03	3.95E-04
3358	500894	3732322	2.25E-03	0.00E+00	2.25E-03	3.91E-04
3359	500901.4	3732328	2.22E-03	0.00E+00	2.22E-03	3.86E-04
3360	500908.7	3732335	2.19E-03	0.00E+00	2.19E-03	3.82E-04
3361	500916.1	3732341	2.16E-03	0.00E+00	2.16E-03	3.77E-04
3362	500923.4	3732348	2.13E-03	0.00E+00	2.13E-03	3.71E-04
3363	500930.8	3732355	2.10E-03	0.00E+00	2.10E-03	3.66E-04
3364	500938.2	3732361	2.07E-03	0.00E+00	2.07E-03	3.61E-04
3365	500945.5	3732368	2.05E-03	0.00E+00	2.05E-03	3.56E-04
3366	500952.9	3732374	2.02E-03	0.00E+00	2.02E-03	3.51E-04
3367	500960.2	3732381	1.99E-03	0.00E+00	1.99E-03	3.46E-04
3368	500967.6	3732387	1.96E-03	0.00E+00	1.96E-03	3.41E-04
3369	500974.9	3732394	1.93E-03	0.00E+00	1.93E-03	3.36E-04
3370	500982.3	3732400	1.90E-03	0.00E+00	1.90E-03	3.31E-04
3371	500989.6	3732407	1.87E-03	0.00E+00	1.87E-03	3.26E-04
3372	500997	3732413	1.84E-03	0.00E+00	1.84E-03	3.21E-04
3373	501004.3	3732420	1.81E-03	0.00E+00	1.81E-03	3.16E-04
3374	501011.7	3732426	1.78E-03	0.00E+00	1.78E-03	3.11E-04
3375	501019	3732433	1.76E-03	0.00E+00	1.76E-03	3.06E-04
3376	501026.4	3732440	1.73E-03	0.00E+00	1.73E-03	3.01E-04
3377	501033.7	3732446	1.70E-03	0.00E+00	1.70E-03	2.96E-04

3378	501041.1	3732453	1.67E-03	0.00E+00	1.67E-03	2.91E-04
3379	501048.5	3732459	1.64E-03	0.00E+00	1.64E-03	2.86E-04
3380	501055.8	3732466	1.61E-03	0.00E+00	1.61E-03	2.81E-04
3381	501063.2	3732472	1.59E-03	0.00E+00	1.59E-03	2.76E-04
3382	501070.5	3732479	1.56E-03	0.00E+00	1.56E-03	2.72E-04
3383	501077.9	3732485	1.53E-03	0.00E+00	1.53E-03	2.67E-04
3384	501085.2	3732492	1.51E-03	0.00E+00	1.51E-03	2.62E-04
3385	501092.6	3732498	1.48E-03	0.00E+00	1.48E-03	2.58E-04
3386	501099.9	3732505	1.46E-03	0.00E+00	1.46E-03	2.54E-04
3387	501107.3	3732511	1.43E-03	0.00E+00	1.43E-03	2.49E-04
3388	501114.6	3732518	1.41E-03	0.00E+00	1.41E-03	2.45E-04
3389	501122	3732524	1.38E-03	0.00E+00	1.38E-03	2.41E-04
3390	501129.3	3732531	1.36E-03	0.00E+00	1.36E-03	2.37E-04
3391	501136.7	3732538	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3392	501144.1	3732544	1.31E-03	0.00E+00	1.31E-03	2.28E-04
3393	501151.4	3732551	1.29E-03	0.00E+00	1.29E-03	2.24E-04
3394	501164	3732586	1.23E-03	0.00E+00	1.23E-03	2.14E-04
3395	501165.8	3732596	1.22E-03	0.00E+00	1.22E-03	2.12E-04
3396	501167.5	3732606	1.21E-03	0.00E+00	1.21E-03	2.11E-04
3397	501169.3	3732615	1.20E-03	0.00E+00	1.20E-03	2.09E-04
3398	501171	3732625	1.19E-03	0.00E+00	1.19E-03	2.07E-04
3399	501172.8	3732635	1.18E-03	0.00E+00	1.18E-03	2.05E-04
3400	501174.5	3732644	1.17E-03	0.00E+00	1.17E-03	2.03E-04
3401	501176.3	3732654	1.16E-03	0.00E+00	1.16E-03	2.01E-04
3402	501178	3732664	1.14E-03	0.00E+00	1.14E-03	1.99E-04
3403	501179.8	3732673	1.13E-03	0.00E+00	1.13E-03	1.98E-04
3404	501181.5	3732683	1.12E-03	0.00E+00	1.12E-03	1.96E-04
3405	501183.3	3732693	1.11E-03	0.00E+00	1.11E-03	1.94E-04
3406	501185	3732702	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3407	501186.8	3732712	1.09E-03	0.00E+00	1.09E-03	1.90E-04
3408	501188.5	3732722	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3409	501190.3	3732731	1.07E-03	0.00E+00	1.07E-03	1.87E-04
3410	501192	3732741	1.06E-03	0.00E+00	1.06E-03	1.85E-04
3411	501193.8	3732751	1.05E-03	0.00E+00	1.05E-03	1.83E-04
3412	501195.5	3732760	1.04E-03	0.00E+00	1.04E-03	1.82E-04
3413	501197.3	3732770	1.03E-03	0.00E+00	1.03E-03	1.80E-04
3414	501199	3732780	1.02E-03	0.00E+00	1.02E-03	1.78E-04
3415	501200.8	3732789	1.01E-03	0.00E+00	1.01E-03	1.77E-04
3416	501202.5	3732799	1.01E-03	0.00E+00	1.01E-03	1.75E-04
3417	501204.3	3732809	9.96E-04	0.00E+00	9.96E-04	1.74E-04
3418	501206	3732818	9.87E-04	0.00E+00	9.87E-04	1.72E-04
3419	501207.8	3732828	9.78E-04	0.00E+00	9.78E-04	1.70E-04
3420	501276	3733206	7.17E-04	0.00E+00	7.17E-04	1.25E-04
3421	501277.7	3733215	7.12E-04	0.00E+00	7.12E-04	1.24E-04
3422	501279.5	3733225	7.08E-04	0.00E+00	7.08E-04	1.23E-04
3423	501281.2	3733235	7.03E-04	0.00E+00	7.03E-04	1.23E-04
3424	501283	3733244	6.99E-04	0.00E+00	6.99E-04	1.22E-04

3425	501284.7	3733254	6.94E-04	0.00E+00	6.94E-04	1.21E-04
3426	501286.5	3733264	6.90E-04	0.00E+00	6.90E-04	1.20E-04
3427	500614.6	3732074	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3428	500605.5	3732070	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3429	500596.3	3732066	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3430	500587.2	3732062	2.68E-03	0.00E+00	2.68E-03	4.66E-04
3431	500578.1	3732058	2.68E-03	0.00E+00	2.68E-03	4.66E-04
3432	500569	3732055	2.68E-03	0.00E+00	2.68E-03	4.66E-04
3433	500559.8	3732051	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3434	500550.7	3732047	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3435	500541.6	3732043	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3436	500532.5	3732039	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3437	500523.3	3732036	2.66E-03	0.00E+00	2.66E-03	4.63E-04
3438	500514.2	3732032	2.65E-03	0.00E+00	2.65E-03	4.62E-04
3439	500505.1	3732028	2.64E-03	0.00E+00	2.64E-03	4.61E-04
3440	500496	3732024	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3441	500486.8	3732021	2.63E-03	0.00E+00	2.63E-03	4.57E-04
3442	500477.7	3732017	2.62E-03	0.00E+00	2.62E-03	4.56E-04
3443	500468.6	3732013	2.60E-03	0.00E+00	2.60E-03	4.54E-04
3444	500459.5	3732009	2.59E-03	0.00E+00	2.59E-03	4.52E-04
3445	500450.3	3732005	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3446	500441.2	3732002	2.57E-03	0.00E+00	2.57E-03	4.47E-04
3447	500432.1	3731998	2.55E-03	0.00E+00	2.55E-03	4.45E-04
3448	500422.9	3731994	2.54E-03	0.00E+00	2.54E-03	4.42E-04
3449	500413.8	3731990	2.52E-03	0.00E+00	2.52E-03	4.39E-04
3450	500404.7	3731986	2.51E-03	0.00E+00	2.51E-03	4.36E-04
3451	500395.6	3731983	2.49E-03	0.00E+00	2.49E-03	4.34E-04
3452	500386.4	3731979	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3453	500377.3	3731975	2.45E-03	0.00E+00	2.45E-03	4.27E-04
3454	500368.2	3731971	2.43E-03	0.00E+00	2.43E-03	4.24E-04
3455	500359.1	3731967	2.41E-03	0.00E+00	2.41E-03	4.20E-04
3456	500349.9	3731964	2.39E-03	0.00E+00	2.39E-03	4.17E-04
3457	500340.8	3731960	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3458	500331.7	3731956	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3459	500322.6	3731952	2.33E-03	0.00E+00	2.33E-03	4.06E-04
3460	500313.4	3731948	2.31E-03	0.00E+00	2.31E-03	4.02E-04
3461	500304.3	3731945	2.29E-03	0.00E+00	2.29E-03	3.98E-04
3462	500295.2	3731941	2.26E-03	0.00E+00	2.26E-03	3.94E-04
3463	500286.1	3731937	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3464	500635.6	3732047	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3465	500642.9	3732054	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3466	500650.2	3732060	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3467	500657.5	3732067	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3468	500664.8	3732073	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3469	500672.1	3732079	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3470	500679.4	3732086	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3471	500686.6	3732092	2.58E-03	0.00E+00	2.58E-03	4.50E-04

3472	500693.9	3732099	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3473	500701.2	3732105	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3474	500708.5	3732112	2.57E-03	0.00E+00	2.57E-03	4.49E-04
3475	500715.8	3732118	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3476	500723.1	3732125	2.57E-03	0.00E+00	2.57E-03	4.47E-04
3477	500730.4	3732131	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3478	500788.8	3732183	2.48E-03	0.00E+00	2.48E-03	4.32E-04
3479	500796.1	3732190	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3480	500803.3	3732196	2.45E-03	0.00E+00	2.45E-03	4.28E-04
3481	500810.6	3732203	2.44E-03	0.00E+00	2.44E-03	4.25E-04
3482	500817.9	3732209	2.42E-03	0.00E+00	2.42E-03	4.22E-04
3483	500825.2	3732216	2.41E-03	0.00E+00	2.41E-03	4.19E-04
3484	500832.5	3732222	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3485	500839.8	3732229	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3486	500847.1	3732235	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3487	500854.4	3732242	2.33E-03	0.00E+00	2.33E-03	4.06E-04
3488	500861.7	3732248	2.31E-03	0.00E+00	2.31E-03	4.03E-04
3489	500869	3732254	2.29E-03	0.00E+00	2.29E-03	3.99E-04
3490	500876.3	3732261	2.27E-03	0.00E+00	2.27E-03	3.96E-04
3491	500883.6	3732267	2.25E-03	0.00E+00	2.25E-03	3.92E-04
3492	500890.9	3732274	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3493	500898.2	3732280	2.22E-03	0.00E+00	2.22E-03	3.86E-04
3494	500905.5	3732287	2.19E-03	0.00E+00	2.19E-03	3.82E-04
3495	500912.7	3732293	2.17E-03	0.00E+00	2.17E-03	3.77E-04
3496	500920	3732300	2.14E-03	0.00E+00	2.14E-03	3.73E-04
3497	500927.3	3732306	2.11E-03	0.00E+00	2.11E-03	3.68E-04
3498	500934.6	3732313	2.09E-03	0.00E+00	2.09E-03	3.64E-04
3499	500941.9	3732319	2.06E-03	0.00E+00	2.06E-03	3.59E-04
3500	500949.2	3732326	2.03E-03	0.00E+00	2.03E-03	3.54E-04
3501	500956.5	3732332	2.01E-03	0.00E+00	2.01E-03	3.50E-04
3502	500963.8	3732339	1.98E-03	0.00E+00	1.98E-03	3.45E-04
3503	500971.1	3732345	1.95E-03	0.00E+00	1.95E-03	3.40E-04
3504	500978.4	3732352	1.93E-03	0.00E+00	1.93E-03	3.36E-04
3505	500985.7	3732358	1.90E-03	0.00E+00	1.90E-03	3.31E-04
3506	500993	3732365	1.87E-03	0.00E+00	1.87E-03	3.26E-04
3507	501000.3	3732371	1.84E-03	0.00E+00	1.84E-03	3.21E-04
3508	501007.6	3732378	1.82E-03	0.00E+00	1.82E-03	3.17E-04
3509	501014.9	3732384	1.79E-03	0.00E+00	1.79E-03	3.12E-04
3510	501022.2	3732391	1.76E-03	0.00E+00	1.76E-03	3.07E-04
3511	501029.4	3732397	1.74E-03	0.00E+00	1.74E-03	3.03E-04
3512	501036.7	3732404	1.71E-03	0.00E+00	1.71E-03	2.98E-04
3513	501044	3732410	1.68E-03	0.00E+00	1.68E-03	2.93E-04
3514	501051.3	3732416	1.66E-03	0.00E+00	1.66E-03	2.89E-04
3515	501058.6	3732423	1.63E-03	0.00E+00	1.63E-03	2.84E-04
3516	501065.9	3732429	1.60E-03	0.00E+00	1.60E-03	2.79E-04
3517	501073.2	3732436	1.58E-03	0.00E+00	1.58E-03	2.75E-04
3518	501080.5	3732442	1.55E-03	0.00E+00	1.55E-03	2.70E-04

3519	501087.8	3732449	1.53E-03	0.00E+00	1.53E-03	2.66E-04
3520	501095.1	3732455	1.50E-03	0.00E+00	1.50E-03	2.61E-04
3521	501102.4	3732462	1.48E-03	0.00E+00	1.48E-03	2.57E-04
3522	501109.7	3732468	1.45E-03	0.00E+00	1.45E-03	2.53E-04
3523	501117	3732475	1.43E-03	0.00E+00	1.43E-03	2.49E-04
3524	501124.3	3732481	1.40E-03	0.00E+00	1.40E-03	2.45E-04
3525	501131.6	3732488	1.38E-03	0.00E+00	1.38E-03	2.41E-04
3526	501138.8	3732494	1.36E-03	0.00E+00	1.36E-03	2.36E-04
3527	501146.1	3732501	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3528	501153.4	3732507	1.31E-03	0.00E+00	1.31E-03	2.28E-04
3529	501160.7	3732514	1.29E-03	0.00E+00	1.29E-03	2.24E-04
3530	501168	3732520	1.26E-03	0.00E+00	1.26E-03	2.20E-04
3531	501175.3	3732527	1.24E-03	0.00E+00	1.24E-03	2.17E-04
3532	501182.6	3732533	1.22E-03	0.00E+00	1.22E-03	2.13E-04
3533	501191.6	3732549	1.19E-03	0.00E+00	1.19E-03	2.08E-04
3534	501193.4	3732559	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3535	501195.1	3732568	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3536	501198.6	3732588	1.15E-03	0.00E+00	1.15E-03	2.01E-04
3537	501200.3	3732597	1.14E-03	0.00E+00	1.14E-03	1.99E-04
3538	501202	3732607	1.13E-03	0.00E+00	1.13E-03	1.97E-04
3539	501203.8	3732616	1.12E-03	0.00E+00	1.12E-03	1.96E-04
3540	501205.5	3732626	1.11E-03	0.00E+00	1.11E-03	1.94E-04
3541	501207.3	3732636	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3542	501209	3732645	1.09E-03	0.00E+00	1.09E-03	1.91E-04
3543	501210.7	3732655	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3544	501212.5	3732664	1.07E-03	0.00E+00	1.07E-03	1.87E-04
3545	501214.2	3732674	1.06E-03	0.00E+00	1.06E-03	1.86E-04
3546	501215.9	3732684	1.06E-03	0.00E+00	1.06E-03	1.84E-04
3547	501217.7	3732693	1.05E-03	0.00E+00	1.05E-03	1.82E-04
3548	501219.4	3732703	1.04E-03	0.00E+00	1.04E-03	1.81E-04
3549	501221.1	3732712	1.03E-03	0.00E+00	1.03E-03	1.79E-04
3550	501222.9	3732722	1.02E-03	0.00E+00	1.02E-03	1.77E-04
3551	501224.6	3732732	1.01E-03	0.00E+00	1.01E-03	1.76E-04
3552	501226.3	3732741	1.00E-03	0.00E+00	1.00E-03	1.74E-04
3553	501228.1	3732751	9.91E-04	0.00E+00	9.91E-04	1.73E-04
3554	501229.8	3732760	9.82E-04	0.00E+00	9.82E-04	1.71E-04
3555	501231.6	3732770	9.73E-04	0.00E+00	9.73E-04	1.70E-04
3556	501233.3	3732780	9.65E-04	0.00E+00	9.65E-04	1.68E-04
3557	501235	3732789	9.56E-04	0.00E+00	9.56E-04	1.67E-04
3558	501236.8	3732799	9.48E-04	0.00E+00	9.48E-04	1.65E-04
3559	501238.5	3732808	9.40E-04	0.00E+00	9.40E-04	1.64E-04
3560	501240.2	3732818	9.31E-04	0.00E+00	9.31E-04	1.62E-04
3561	501311.4	3733212	6.78E-04	0.00E+00	6.78E-04	1.18E-04
3562	501313.1	3733221	6.74E-04	0.00E+00	6.74E-04	1.17E-04
3563	501314.9	3733231	6.70E-04	0.00E+00	6.70E-04	1.17E-04
3564	501316.6	3733241	6.66E-04	0.00E+00	6.66E-04	1.16E-04
3565	501318.3	3733250	6.62E-04	0.00E+00	6.62E-04	1.15E-04

3566	501320.1	3733260	6.58E-04	0.00E+00	6.58E-04	1.15E-04
3567	501321.8	3733269	6.54E-04	0.00E+00	6.54E-04	1.14E-04
3568	500628.3	3732041	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3569	500619.2	3732037	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3570	500610	3732033	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3571	500600.9	3732029	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3572	500591.8	3732025	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3573	500582.7	3732022	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3574	500573.5	3732018	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3575	500564.4	3732014	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3576	500555.3	3732010	2.56E-03	0.00E+00	2.56E-03	4.45E-04
3577	500546.2	3732006	2.55E-03	0.00E+00	2.55E-03	4.45E-04
3578	500537	3732003	2.55E-03	0.00E+00	2.55E-03	4.44E-04
3579	500527.9	3731999	2.54E-03	0.00E+00	2.54E-03	4.42E-04
3580	500518.8	3731995	2.53E-03	0.00E+00	2.53E-03	4.41E-04
3581	500509.7	3731991	2.52E-03	0.00E+00	2.52E-03	4.40E-04
3582	500500.5	3731988	2.52E-03	0.00E+00	2.52E-03	4.38E-04
3583	500491.4	3731984	2.51E-03	0.00E+00	2.51E-03	4.37E-04
3584	500482.3	3731980	2.50E-03	0.00E+00	2.50E-03	4.35E-04
3585	500473.2	3731976	2.48E-03	0.00E+00	2.48E-03	4.33E-04
3586	500464	3731972	2.47E-03	0.00E+00	2.47E-03	4.31E-04
3587	500454.9	3731969	2.46E-03	0.00E+00	2.46E-03	4.29E-04
3588	500445.8	3731965	2.45E-03	0.00E+00	2.45E-03	4.26E-04
3589	500436.7	3731961	2.43E-03	0.00E+00	2.43E-03	4.24E-04
3590	500427.5	3731957	2.42E-03	0.00E+00	2.42E-03	4.22E-04
3591	500418.4	3731953	2.40E-03	0.00E+00	2.40E-03	4.19E-04
3592	500409.3	3731950	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3593	500400.1	3731946	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3594	500391	3731942	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3595	500381.9	3731938	2.34E-03	0.00E+00	2.34E-03	4.07E-04
3596	500372.8	3731934	2.32E-03	0.00E+00	2.32E-03	4.04E-04
3597	500363.6	3731931	2.30E-03	0.00E+00	2.30E-03	4.01E-04
3598	500354.5	3731927	2.28E-03	0.00E+00	2.28E-03	3.97E-04
3599	500345.4	3731923	2.26E-03	0.00E+00	2.26E-03	3.94E-04
3600	500336.3	3731919	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3601	500327.1	3731916	2.22E-03	0.00E+00	2.22E-03	3.87E-04
3602	500318	3731912	2.20E-03	0.00E+00	2.20E-03	3.83E-04
3603	500308.9	3731908	2.18E-03	0.00E+00	2.18E-03	3.80E-04
3604	500299.8	3731904	2.16E-03	0.00E+00	2.16E-03	3.76E-04
3605	500290.6	3731900	2.14E-03	0.00E+00	2.14E-03	3.72E-04
3606	499844.3	3732910	1.17E-02	0.00E+00	1.17E-02	2.05E-03
3607	499853.7	3732909	1.25E-02	0.00E+00	1.25E-02	2.18E-03
3608	499863.1	3732908	1.34E-02	0.00E+00	1.34E-02	2.33E-03
3609	499814.5	3732895	8.86E-03	0.00E+00	8.86E-03	1.54E-03
3610	499823.9	3732894	9.37E-03	0.00E+00	9.37E-03	1.63E-03
3611	499833.3	3732893	9.93E-03	0.00E+00	9.93E-03	1.73E-03
3612	499842.6	3732892	1.05E-02	0.00E+00	1.05E-02	1.83E-03

3613	499852	3732891	1.12E-02	0.00E+00	1.12E-02	1.94E-03
3614	499861.4	3732890	1.18E-02	0.00E+00	1.18E-02	2.06E-03
3615	499870.8	3732889	1.25E-02	0.00E+00	1.25E-02	2.18E-03
3616	499803.4	3732878	7.76E-03	0.00E+00	7.76E-03	1.35E-03
3617	499812.8	3732877	8.16E-03	0.00E+00	8.16E-03	1.42E-03
3618	499822.2	3732876	8.59E-03	0.00E+00	8.59E-03	1.50E-03
3619	499831.6	3732875	9.06E-03	0.00E+00	9.06E-03	1.58E-03
3620	499840.9	3732875	9.55E-03	0.00E+00	9.55E-03	1.66E-03
3621	499850.3	3732874	1.01E-02	0.00E+00	1.01E-02	1.75E-03
3622	499859.7	3732873	1.06E-02	0.00E+00	1.06E-02	1.85E-03
3623	499869.1	3732872	1.12E-02	0.00E+00	1.12E-02	1.94E-03
3624	499878.4	3732871	1.17E-02	0.00E+00	1.17E-02	2.04E-03
3625	499774	3732879	6.65E-03	0.00E+00	6.65E-03	1.16E-03
3626	499778.5	3732871	6.62E-03	0.00E+00	6.62E-03	1.15E-03
3627	499792.3	3732862	6.90E-03	0.00E+00	6.90E-03	1.20E-03
3628	499801.7	3732861	7.22E-03	0.00E+00	7.22E-03	1.26E-03
3629	499811.1	3732860	7.56E-03	0.00E+00	7.56E-03	1.32E-03
3630	499820.5	3732859	7.93E-03	0.00E+00	7.93E-03	1.38E-03
3631	499829.8	3732858	8.32E-03	0.00E+00	8.32E-03	1.45E-03
3632	499839.2	3732857	8.73E-03	0.00E+00	8.73E-03	1.52E-03
3633	499848.6	3732856	9.17E-03	0.00E+00	9.17E-03	1.60E-03
3634	499858	3732855	9.62E-03	0.00E+00	9.62E-03	1.68E-03
3635	499867.4	3732854	1.01E-02	0.00E+00	1.01E-02	1.76E-03
3636	499876.7	3732853	1.06E-02	0.00E+00	1.06E-02	1.84E-03
3637	499886.1	3732852	1.10E-02	0.00E+00	1.10E-02	1.92E-03
3638	499758.5	3732871	6.00E-03	0.00E+00	6.00E-03	1.05E-03
3639	499763	3732862	5.99E-03	0.00E+00	5.99E-03	1.04E-03
3640	499767.4	3732854	5.97E-03	0.00E+00	5.97E-03	1.04E-03
3641	499781.2	3732845	6.19E-03	0.00E+00	6.19E-03	1.08E-03
3642	499790.6	3732844	6.46E-03	0.00E+00	6.46E-03	1.13E-03
3643	499800	3732843	6.74E-03	0.00E+00	6.74E-03	1.17E-03
3644	499809.4	3732842	7.04E-03	0.00E+00	7.04E-03	1.23E-03
3645	499818.8	3732841	7.36E-03	0.00E+00	7.36E-03	1.28E-03
3646	499828.1	3732840	7.69E-03	0.00E+00	7.69E-03	1.34E-03
3647	499837.5	3732839	8.04E-03	0.00E+00	8.04E-03	1.40E-03
3648	499846.9	3732839	8.41E-03	0.00E+00	8.41E-03	1.47E-03
3649	499856.3	3732838	8.80E-03	0.00E+00	8.80E-03	1.53E-03
3650	499865.7	3732837	9.19E-03	0.00E+00	9.19E-03	1.60E-03
3651	499875	3732836	9.59E-03	0.00E+00	9.59E-03	1.67E-03
3652	499884.4	3732835	1.00E-02	0.00E+00	1.00E-02	1.74E-03
3653	499893.8	3732834	1.04E-02	0.00E+00	1.04E-02	1.81E-03
3654	499743	3732862	5.46E-03	0.00E+00	5.46E-03	9.52E-04
3655	499747.4	3732854	5.45E-03	0.00E+00	5.45E-03	9.50E-04
3656	499751.9	3732846	5.43E-03	0.00E+00	5.43E-03	9.47E-04
3657	499756.3	3732837	5.42E-03	0.00E+00	5.42E-03	9.44E-04
3658	499770.2	3732828	5.61E-03	0.00E+00	5.61E-03	9.77E-04
3659	499779.5	3732827	5.83E-03	0.00E+00	5.83E-03	1.02E-03

3660	499788.9	3732826	6.06E-03	0.00E+00	6.06E-03	1.06E-03
3661	499798.3	3732826	6.31E-03	0.00E+00	6.31E-03	1.10E-03
3662	499807.7	3732825	6.58E-03	0.00E+00	6.58E-03	1.15E-03
3663	499817.1	3732824	6.85E-03	0.00E+00	6.85E-03	1.19E-03
3664	499826.4	3732823	7.15E-03	0.00E+00	7.15E-03	1.25E-03
3665	499835.8	3732822	7.45E-03	0.00E+00	7.45E-03	1.30E-03
3666	499845.2	3732821	7.77E-03	0.00E+00	7.77E-03	1.35E-03
3667	499854.6	3732820	8.10E-03	0.00E+00	8.10E-03	1.41E-03
3668	499864	3732819	8.44E-03	0.00E+00	8.44E-03	1.47E-03
3669	499873.3	3732818	8.79E-03	0.00E+00	8.79E-03	1.53E-03
3670	499882.7	3732817	9.14E-03	0.00E+00	9.14E-03	1.59E-03
3671	499892.1	3732816	9.49E-03	0.00E+00	9.49E-03	1.65E-03
3672	499901.5	3732816	9.84E-03	0.00E+00	9.84E-03	1.72E-03
3673	499727.4	3732854	5.00E-03	0.00E+00	5.00E-03	8.72E-04
3674	499731.9	3732846	4.99E-03	0.00E+00	4.99E-03	8.70E-04
3675	499736.3	3732837	4.98E-03	0.00E+00	4.98E-03	8.68E-04
3676	499740.8	3732829	4.97E-03	0.00E+00	4.97E-03	8.66E-04
3677	499745.2	3732821	4.95E-03	0.00E+00	4.95E-03	8.63E-04
3678	499759.1	3732812	5.12E-03	0.00E+00	5.12E-03	8.91E-04
3679	499768.5	3732811	5.30E-03	0.00E+00	5.30E-03	9.24E-04
3680	499777.8	3732810	5.50E-03	0.00E+00	5.50E-03	9.59E-04
3681	499787.2	3732809	5.71E-03	0.00E+00	5.71E-03	9.95E-04
3682	499796.6	3732808	5.93E-03	0.00E+00	5.93E-03	1.03E-03
3683	499806	3732807	6.17E-03	0.00E+00	6.17E-03	1.07E-03
3684	499815.3	3732806	6.41E-03	0.00E+00	6.41E-03	1.12E-03
3685	499824.7	3732805	6.67E-03	0.00E+00	6.67E-03	1.16E-03
3686	499834.1	3732804	6.94E-03	0.00E+00	6.94E-03	1.21E-03
3687	499843.5	3732803	7.22E-03	0.00E+00	7.22E-03	1.26E-03
3688	499852.9	3732803	7.50E-03	0.00E+00	7.50E-03	1.31E-03
3689	499862.2	3732802	7.80E-03	0.00E+00	7.80E-03	1.36E-03
3690	499871.6	3732801	8.10E-03	0.00E+00	8.10E-03	1.41E-03
3691	499881	3732800	8.41E-03	0.00E+00	8.41E-03	1.47E-03
3692	499890.4	3732799	8.72E-03	0.00E+00	8.72E-03	1.52E-03
3693	499899.8	3732798	9.03E-03	0.00E+00	9.03E-03	1.57E-03
3694	499909.1	3732797	9.34E-03	0.00E+00	9.34E-03	1.63E-03
3695	499710.5	3732848	4.61E-03	0.00E+00	4.61E-03	8.03E-04
3696	499715.2	3732840	4.60E-03	0.00E+00	4.60E-03	8.02E-04
3697	499719.8	3732831	4.59E-03	0.00E+00	4.59E-03	8.00E-04
3698	499724.5	3732822	4.58E-03	0.00E+00	4.58E-03	7.98E-04
3699	499729.2	3732813	4.57E-03	0.00E+00	4.57E-03	7.96E-04
3700	499733.9	3732805	4.55E-03	0.00E+00	4.55E-03	7.94E-04
3701	499748.5	3732795	4.70E-03	0.00E+00	4.70E-03	8.19E-04
3702	499758.4	3732794	4.87E-03	0.00E+00	4.87E-03	8.49E-04
3703	499768.2	3732793	5.05E-03	0.00E+00	5.05E-03	8.80E-04
3704	499778.1	3732792	5.24E-03	0.00E+00	5.24E-03	9.14E-04
3705	499788	3732791	5.45E-03	0.00E+00	5.45E-03	9.49E-04
3706	499797.8	3732790	5.66E-03	0.00E+00	5.66E-03	9.86E-04

3707	499807.7	3732789	5.88E-03	0.00E+00	5.88E-03	1.02E-03
3708	499817.6	3732788	6.11E-03	0.00E+00	6.11E-03	1.07E-03
3709	499827.5	3732787	6.36E-03	0.00E+00	6.36E-03	1.11E-03
3710	499837.3	3732786	6.61E-03	0.00E+00	6.61E-03	1.15E-03
3711	499847.2	3732785	6.88E-03	0.00E+00	6.88E-03	1.20E-03
3712	499857.1	3732784	7.15E-03	0.00E+00	7.15E-03	1.25E-03
3713	499867	3732783	7.43E-03	0.00E+00	7.43E-03	1.29E-03
3714	499876.8	3732782	7.71E-03	0.00E+00	7.71E-03	1.34E-03
3715	499886.7	3732781	8.00E-03	0.00E+00	8.00E-03	1.39E-03
3716	499896.6	3732781	8.29E-03	0.00E+00	8.29E-03	1.44E-03
3717	499906.4	3732780	8.58E-03	0.00E+00	8.58E-03	1.49E-03
3718	499916.3	3732779	8.87E-03	0.00E+00	8.87E-03	1.54E-03
3719	499689.4	3732832	4.11E-03	0.00E+00	4.11E-03	7.15E-04
3720	499694	3732823	4.10E-03	0.00E+00	4.10E-03	7.14E-04
3721	499698.7	3732814	4.09E-03	0.00E+00	4.09E-03	7.13E-04
3722	499703.3	3732806	4.08E-03	0.00E+00	4.08E-03	7.11E-04
3723	499708	3732797	4.07E-03	0.00E+00	4.07E-03	7.10E-04
3724	499712.7	3732788	4.06E-03	0.00E+00	4.06E-03	7.08E-04
3725	499717.3	3732780	4.05E-03	0.00E+00	4.05E-03	7.06E-04
3726	499731.8	3732770	4.17E-03	0.00E+00	4.17E-03	7.27E-04
3727	499741.6	3732769	4.31E-03	0.00E+00	4.31E-03	7.51E-04
3728	499751.4	3732768	4.45E-03	0.00E+00	4.45E-03	7.76E-04
3729	499761.2	3732767	4.61E-03	0.00E+00	4.61E-03	8.02E-04
3730	499771	3732766	4.77E-03	0.00E+00	4.77E-03	8.30E-04
3731	499780.8	3732765	4.93E-03	0.00E+00	4.93E-03	8.60E-04
3732	499790.6	3732764	5.11E-03	0.00E+00	5.11E-03	8.90E-04
3733	499800.4	3732763	5.29E-03	0.00E+00	5.29E-03	9.22E-04
3734	499810.2	3732762	5.49E-03	0.00E+00	5.49E-03	9.56E-04
3735	499820	3732761	5.69E-03	0.00E+00	5.69E-03	9.91E-04
3736	499829.8	3732760	5.90E-03	0.00E+00	5.90E-03	1.03E-03
3737	499839.6	3732759	6.12E-03	0.00E+00	6.12E-03	1.07E-03
3738	499849.5	3732759	6.34E-03	0.00E+00	6.34E-03	1.10E-03
3739	499859.3	3732758	6.57E-03	0.00E+00	6.57E-03	1.14E-03
3740	499869.1	3732757	6.80E-03	0.00E+00	6.80E-03	1.19E-03
3741	499878.9	3732756	7.04E-03	0.00E+00	7.04E-03	1.23E-03
3742	499888.7	3732755	7.29E-03	0.00E+00	7.29E-03	1.27E-03
3743	499898.5	3732754	7.53E-03	0.00E+00	7.53E-03	1.31E-03
3744	499908.3	3732753	7.77E-03	0.00E+00	7.77E-03	1.35E-03
3745	499918.1	3732752	8.01E-03	0.00E+00	8.01E-03	1.40E-03
3746	499927.9	3732751	8.25E-03	0.00E+00	8.25E-03	1.44E-03
3747	499663.6	3732824	3.69E-03	0.00E+00	3.69E-03	6.44E-04
3748	499668.3	3732815	3.69E-03	0.00E+00	3.69E-03	6.43E-04
3749	499672.9	3732806	3.68E-03	0.00E+00	3.68E-03	6.42E-04
3750	499677.5	3732798	3.68E-03	0.00E+00	3.68E-03	6.41E-04
3751	499682.2	3732789	3.67E-03	0.00E+00	3.67E-03	6.40E-04
3752	499686.8	3732780	3.66E-03	0.00E+00	3.66E-03	6.38E-04
3753	499691.4	3732772	3.66E-03	0.00E+00	3.66E-03	6.37E-04

3754	499696.1	3732763	3.65E-03	0.00E+00	3.65E-03	6.35E-04
3755	499700.7	3732755	3.64E-03	0.00E+00	3.64E-03	6.34E-04
3756	499715.1	3732745	3.74E-03	0.00E+00	3.74E-03	6.51E-04
3757	499724.9	3732744	3.85E-03	0.00E+00	3.85E-03	6.71E-04
3758	499734.6	3732743	3.97E-03	0.00E+00	3.97E-03	6.91E-04
3759	499744.4	3732742	4.09E-03	0.00E+00	4.09E-03	7.13E-04
3760	499754.1	3732741	4.22E-03	0.00E+00	4.22E-03	7.36E-04
3761	499763.9	3732740	4.36E-03	0.00E+00	4.36E-03	7.59E-04
3762	499773.6	3732739	4.50E-03	0.00E+00	4.50E-03	7.84E-04
3763	499783.4	3732738	4.65E-03	0.00E+00	4.65E-03	8.10E-04
3764	499793.1	3732737	4.80E-03	0.00E+00	4.80E-03	8.37E-04
3765	499802.9	3732736	4.97E-03	0.00E+00	4.97E-03	8.65E-04
3766	499812.6	3732736	5.14E-03	0.00E+00	5.14E-03	8.95E-04
3767	499822.4	3732735	5.31E-03	0.00E+00	5.31E-03	9.25E-04
3768	499832.2	3732734	5.49E-03	0.00E+00	5.49E-03	9.57E-04
3769	499841.9	3732733	5.68E-03	0.00E+00	5.68E-03	9.90E-04
3770	499851.7	3732732	5.87E-03	0.00E+00	5.87E-03	1.02E-03
3771	499861.4	3732731	6.07E-03	0.00E+00	6.07E-03	1.06E-03
3772	499871.2	3732730	6.27E-03	0.00E+00	6.27E-03	1.09E-03
3773	499880.9	3732729	6.48E-03	0.00E+00	6.48E-03	1.13E-03
3774	499890.7	3732728	6.68E-03	0.00E+00	6.68E-03	1.16E-03
3775	499900.4	3732727	6.89E-03	0.00E+00	6.89E-03	1.20E-03
3776	499910.2	3732726	7.10E-03	0.00E+00	7.10E-03	1.24E-03
3777	499919.9	3732725	7.30E-03	0.00E+00	7.30E-03	1.27E-03
3778	499929.7	3732724	7.51E-03	0.00E+00	7.51E-03	1.31E-03
3779	499939.5	3732723	7.71E-03	0.00E+00	7.71E-03	1.34E-03
3780	499637.9	3732816	3.35E-03	0.00E+00	3.35E-03	5.83E-04
3781	499642.6	3732807	3.35E-03	0.00E+00	3.35E-03	5.83E-04
3782	499647.2	3732798	3.34E-03	0.00E+00	3.34E-03	5.82E-04
3783	499651.8	3732790	3.34E-03	0.00E+00	3.34E-03	5.81E-04
3784	499656.4	3732781	3.33E-03	0.00E+00	3.33E-03	5.81E-04
3785	499661	3732773	3.33E-03	0.00E+00	3.33E-03	5.80E-04
3786	499665.6	3732764	3.32E-03	0.00E+00	3.32E-03	5.78E-04
3787	499670.3	3732755	3.31E-03	0.00E+00	3.31E-03	5.77E-04
3788	499674.9	3732747	3.31E-03	0.00E+00	3.31E-03	5.76E-04
3789	499679.5	3732738	3.30E-03	0.00E+00	3.30E-03	5.75E-04
3790	499684.1	3732730	3.29E-03	0.00E+00	3.29E-03	5.73E-04
3791	499698.4	3732720	3.37E-03	0.00E+00	3.37E-03	5.88E-04
3792	499708.2	3732719	3.47E-03	0.00E+00	3.47E-03	6.04E-04
3793	499717.9	3732718	3.57E-03	0.00E+00	3.57E-03	6.21E-04
3794	499727.6	3732717	3.67E-03	0.00E+00	3.67E-03	6.39E-04
3795	499737.3	3732716	3.78E-03	0.00E+00	3.78E-03	6.58E-04
3796	499747	3732715	3.89E-03	0.00E+00	3.89E-03	6.78E-04
3797	499756.7	3732714	4.01E-03	0.00E+00	4.01E-03	6.98E-04
3798	499766.4	3732713	4.13E-03	0.00E+00	4.13E-03	7.19E-04
3799	499776.2	3732712	4.26E-03	0.00E+00	4.26E-03	7.42E-04
3800	499785.9	3732712	4.39E-03	0.00E+00	4.39E-03	7.65E-04

3801	499795.6	3732711	4.53E-03	0.00E+00	4.53E-03	7.89E-04
3802	499805.3	3732710	4.67E-03	0.00E+00	4.67E-03	8.14E-04
3803	499815	3732709	4.82E-03	0.00E+00	4.82E-03	8.40E-04
3804	499824.7	3732708	4.97E-03	0.00E+00	4.97E-03	8.67E-04
3805	499834.4	3732707	5.13E-03	0.00E+00	5.13E-03	8.94E-04
3806	499844.1	3732706	5.30E-03	0.00E+00	5.30E-03	9.23E-04
3807	499853.9	3732705	5.46E-03	0.00E+00	5.46E-03	9.52E-04
3808	499863.6	3732704	5.63E-03	0.00E+00	5.63E-03	9.82E-04
3809	499873.3	3732703	5.81E-03	0.00E+00	5.81E-03	1.01E-03
3810	499883	3732702	5.99E-03	0.00E+00	5.99E-03	1.04E-03
3811	499892.7	3732701	6.16E-03	0.00E+00	6.16E-03	1.07E-03
3812	499902.4	3732700	6.34E-03	0.00E+00	6.34E-03	1.11E-03
3813	499912.1	3732699	6.52E-03	0.00E+00	6.52E-03	1.14E-03
3814	499921.9	3732698	6.70E-03	0.00E+00	6.70E-03	1.17E-03
3815	499931.6	3732697	6.88E-03	0.00E+00	6.88E-03	1.20E-03
3816	499941.3	3732696	7.06E-03	0.00E+00	7.06E-03	1.23E-03
3817	499951	3732695	7.23E-03	0.00E+00	7.23E-03	1.26E-03
3818	499616.9	3732799	3.05E-03	0.00E+00	3.05E-03	5.32E-04
3819	499621.5	3732790	3.05E-03	0.00E+00	3.05E-03	5.31E-04
3820	499626.1	3732782	3.05E-03	0.00E+00	3.05E-03	5.31E-04
3821	499630.7	3732773	3.04E-03	0.00E+00	3.04E-03	5.30E-04
3822	499635.3	3732765	3.04E-03	0.00E+00	3.04E-03	5.29E-04
3823	499639.9	3732756	3.03E-03	0.00E+00	3.03E-03	5.28E-04
3824	499644.5	3732747	3.03E-03	0.00E+00	3.03E-03	5.27E-04
3825	499649.1	3732739	3.02E-03	0.00E+00	3.02E-03	5.26E-04
3826	499653.7	3732730	3.02E-03	0.00E+00	3.02E-03	5.25E-04
3827	499658.3	3732722	3.01E-03	0.00E+00	3.01E-03	5.24E-04
3828	499662.9	3732713	3.00E-03	0.00E+00	3.00E-03	5.23E-04
3829	499667.5	3732705	2.99E-03	0.00E+00	2.99E-03	5.22E-04
3830	499681.8	3732695	3.06E-03	0.00E+00	3.06E-03	5.34E-04
3831	499691.5	3732694	3.14E-03	0.00E+00	3.14E-03	5.48E-04
3832	499701.1	3732693	3.23E-03	0.00E+00	3.23E-03	5.62E-04
3833	499710.8	3732692	3.32E-03	0.00E+00	3.32E-03	5.78E-04
3834	499720.5	3732691	3.41E-03	0.00E+00	3.41E-03	5.93E-04
3835	499730.2	3732690	3.50E-03	0.00E+00	3.50E-03	6.10E-04
3836	499739.9	3732689	3.60E-03	0.00E+00	3.60E-03	6.27E-04
3837	499749.6	3732688	3.70E-03	0.00E+00	3.70E-03	6.45E-04
3838	499759.2	3732688	3.81E-03	0.00E+00	3.81E-03	6.63E-04
3839	499768.9	3732687	3.92E-03	0.00E+00	3.92E-03	6.83E-04
3840	499778.6	3732686	4.03E-03	0.00E+00	4.03E-03	7.03E-04
3841	499788.3	3732685	4.15E-03	0.00E+00	4.15E-03	7.23E-04
3842	499798	3732684	4.27E-03	0.00E+00	4.27E-03	7.45E-04
3843	499807.6	3732683	4.40E-03	0.00E+00	4.40E-03	7.67E-04
3844	499817.3	3732682	4.53E-03	0.00E+00	4.53E-03	7.90E-04
3845	499827	3732681	4.67E-03	0.00E+00	4.67E-03	8.14E-04
3846	499836.7	3732680	4.81E-03	0.00E+00	4.81E-03	8.38E-04
3847	499846.4	3732679	4.95E-03	0.00E+00	4.95E-03	8.63E-04

3848	499856	3732678	5.10E-03	0.00E+00	5.10E-03	8.89E-04
3849	499865.7	3732677	5.25E-03	0.00E+00	5.25E-03	9.15E-04
3850	499875.4	3732676	5.40E-03	0.00E+00	5.40E-03	9.42E-04
3851	499885.1	3732675	5.56E-03	0.00E+00	5.56E-03	9.68E-04
3852	499894.8	3732674	5.71E-03	0.00E+00	5.71E-03	9.96E-04
3853	499904.5	3732673	5.87E-03	0.00E+00	5.87E-03	1.02E-03
3854	499914.1	3732672	6.03E-03	0.00E+00	6.03E-03	1.05E-03
3855	499923.8	3732672	6.18E-03	0.00E+00	6.18E-03	1.08E-03
3856	499933.5	3732671	6.34E-03	0.00E+00	6.34E-03	1.10E-03
3857	499943.2	3732670	6.49E-03	0.00E+00	6.49E-03	1.13E-03
3858	499952.9	3732669	6.65E-03	0.00E+00	6.65E-03	1.16E-03
3859	499962.5	3732668	6.79E-03	0.00E+00	6.79E-03	1.18E-03
3860	499591.2	3732791	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3861	499595.8	3732782	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3862	499600.4	3732774	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3863	499605	3732765	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3864	499609.6	3732757	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3865	499614.2	3732748	2.79E-03	0.00E+00	2.79E-03	4.85E-04
3866	499618.8	3732739	2.78E-03	0.00E+00	2.78E-03	4.85E-04
3867	499623.4	3732731	2.78E-03	0.00E+00	2.78E-03	4.84E-04
3868	499627.9	3732722	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3869	499632.5	3732714	2.77E-03	0.00E+00	2.77E-03	4.82E-04
3870	499637.1	3732705	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3871	499641.7	3732697	2.75E-03	0.00E+00	2.75E-03	4.80E-04
3872	499646.3	3732688	2.75E-03	0.00E+00	2.75E-03	4.79E-04
3873	499650.9	3732680	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3874	499665.1	3732670	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3875	499674.8	3732669	2.87E-03	0.00E+00	2.87E-03	5.00E-04
3876	499684.4	3732668	2.94E-03	0.00E+00	2.94E-03	5.13E-04
3877	499694.1	3732667	3.02E-03	0.00E+00	3.02E-03	5.25E-04
3878	499703.7	3732666	3.09E-03	0.00E+00	3.09E-03	5.39E-04
3879	499713.4	3732665	3.17E-03	0.00E+00	3.17E-03	5.53E-04
3880	499723.1	3732664	3.26E-03	0.00E+00	3.26E-03	5.67E-04
3881	499732.7	3732664	3.34E-03	0.00E+00	3.34E-03	5.82E-04
3882	499742.4	3732663	3.43E-03	0.00E+00	3.43E-03	5.98E-04
3883	499752	3732662	3.53E-03	0.00E+00	3.53E-03	6.14E-04
3884	499761.7	3732661	3.62E-03	0.00E+00	3.62E-03	6.31E-04
3885	499771.3	3732660	3.72E-03	0.00E+00	3.72E-03	6.49E-04
3886	499781	3732659	3.83E-03	0.00E+00	3.83E-03	6.67E-04
3887	499790.6	3732658	3.93E-03	0.00E+00	3.93E-03	6.85E-04
3888	499800.3	3732657	4.04E-03	0.00E+00	4.04E-03	7.05E-04
3889	499809.9	3732656	4.16E-03	0.00E+00	4.16E-03	7.25E-04
3890	499819.6	3732655	4.28E-03	0.00E+00	4.28E-03	7.45E-04
3891	499829.3	3732654	4.40E-03	0.00E+00	4.40E-03	7.66E-04
3892	499838.9	3732653	4.52E-03	0.00E+00	4.52E-03	7.88E-04
3893	499848.6	3732652	4.65E-03	0.00E+00	4.65E-03	8.10E-04
3894	499858.2	3732651	4.78E-03	0.00E+00	4.78E-03	8.33E-04

3895	499867.9	3732650	4.91E-03	0.00E+00	4.91E-03	8.56E-04
3896	499877.5	3732649	5.05E-03	0.00E+00	5.05E-03	8.79E-04
3897	499887.2	3732649	5.18E-03	0.00E+00	5.18E-03	9.03E-04
3898	499896.8	3732648	5.32E-03	0.00E+00	5.32E-03	9.27E-04
3899	499906.5	3732647	5.46E-03	0.00E+00	5.46E-03	9.51E-04
3900	499916.1	3732646	5.60E-03	0.00E+00	5.60E-03	9.75E-04
3901	499925.8	3732645	5.73E-03	0.00E+00	5.73E-03	9.99E-04
3902	499935.5	3732644	5.87E-03	0.00E+00	5.87E-03	1.02E-03
3903	499945.1	3732643	6.01E-03	0.00E+00	6.01E-03	1.05E-03
3904	499954.8	3732642	6.14E-03	0.00E+00	6.14E-03	1.07E-03
3905	499964.4	3732641	6.27E-03	0.00E+00	6.27E-03	1.09E-03
3906	499974.1	3732640	6.40E-03	0.00E+00	6.40E-03	1.12E-03
3907	499565.6	3732782	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3908	499570.2	3732774	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3909	499574.8	3732765	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3910	499579.3	3732757	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3911	499583.9	3732748	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3912	499588.5	3732740	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3913	499593.1	3732731	2.57E-03	0.00E+00	2.57E-03	4.47E-04
3914	499597.6	3732723	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3915	499602.2	3732714	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3916	499606.8	3732706	2.55E-03	0.00E+00	2.55E-03	4.45E-04
3917	499611.4	3732697	2.55E-03	0.00E+00	2.55E-03	4.44E-04
3918	499616	3732689	2.55E-03	0.00E+00	2.55E-03	4.43E-04
3919	499620.5	3732680	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3920	499625.1	3732672	2.53E-03	0.00E+00	2.53E-03	4.42E-04
3921	499629.7	3732663	2.53E-03	0.00E+00	2.53E-03	4.41E-04
3922	499634.3	3732655	2.52E-03	0.00E+00	2.52E-03	4.40E-04
3923	499648.5	3732645	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3924	499658.1	3732644	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3925	499667.7	3732643	2.70E-03	0.00E+00	2.70E-03	4.70E-04
3926	499677.4	3732642	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3927	499687	3732641	2.83E-03	0.00E+00	2.83E-03	4.92E-04
3928	499696.6	3732640	2.89E-03	0.00E+00	2.89E-03	5.04E-04
3929	499706.3	3732640	2.97E-03	0.00E+00	2.97E-03	5.17E-04
3930	499715.9	3732639	3.04E-03	0.00E+00	3.04E-03	5.30E-04
3931	499725.5	3732638	3.12E-03	0.00E+00	3.12E-03	5.43E-04
3932	499735.2	3732637	3.20E-03	0.00E+00	3.20E-03	5.57E-04
3933	499744.8	3732636	3.28E-03	0.00E+00	3.28E-03	5.71E-04
3934	499754.4	3732635	3.36E-03	0.00E+00	3.36E-03	5.86E-04
3935	499764.1	3732634	3.45E-03	0.00E+00	3.45E-03	6.01E-04
3936	499773.7	3732633	3.54E-03	0.00E+00	3.54E-03	6.17E-04
3937	499783.3	3732632	3.64E-03	0.00E+00	3.64E-03	6.33E-04
3938	499793	3732631	3.73E-03	0.00E+00	3.73E-03	6.50E-04
3939	499802.6	3732630	3.83E-03	0.00E+00	3.83E-03	6.68E-04
3940	499812.2	3732629	3.94E-03	0.00E+00	3.94E-03	6.86E-04
3941	499821.9	3732628	4.04E-03	0.00E+00	4.04E-03	7.04E-04

3942	499831.5	3732627	4.15E-03	0.00E+00	4.15E-03	7.23E-04
3943	499841.1	3732626	4.26E-03	0.00E+00	4.26E-03	7.43E-04
3944	499850.8	3732625	4.38E-03	0.00E+00	4.38E-03	7.62E-04
3945	499860.4	3732625	4.49E-03	0.00E+00	4.49E-03	7.83E-04
3946	499870	3732624	4.61E-03	0.00E+00	4.61E-03	8.03E-04
3947	499879.7	3732623	4.73E-03	0.00E+00	4.73E-03	8.24E-04
3948	499889.3	3732622	4.85E-03	0.00E+00	4.85E-03	8.45E-04
3949	499898.9	3732621	4.97E-03	0.00E+00	4.97E-03	8.66E-04
3950	499908.6	3732620	5.09E-03	0.00E+00	5.09E-03	8.88E-04
3951	499918.2	3732619	5.22E-03	0.00E+00	5.22E-03	9.09E-04
3952	499927.8	3732618	5.34E-03	0.00E+00	5.34E-03	9.30E-04
3953	499937.4	3732617	5.46E-03	0.00E+00	5.46E-03	9.51E-04
3954	499947.1	3732616	5.58E-03	0.00E+00	5.58E-03	9.72E-04
3955	499956.7	3732615	5.70E-03	0.00E+00	5.70E-03	9.93E-04
3956	499966.3	3732614	5.82E-03	0.00E+00	5.82E-03	1.01E-03
3957	499976	3732613	5.93E-03	0.00E+00	5.93E-03	1.03E-03
3958	499985.6	3732612	6.05E-03	0.00E+00	6.05E-03	1.05E-03
3959	499542.6	3732769	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3960	499547.2	3732761	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3961	499551.9	3732752	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3962	499556.6	3732743	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3963	499561.3	3732735	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3964	499566	3732726	2.38E-03	0.00E+00	2.38E-03	4.14E-04
3965	499570.7	3732717	2.38E-03	0.00E+00	2.38E-03	4.14E-04
3966	499575.4	3732708	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3967	499580	3732700	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3968	499584.7	3732691	2.37E-03	0.00E+00	2.37E-03	4.12E-04
3969	499589.4	3732682	2.36E-03	0.00E+00	2.36E-03	4.11E-04
3970	499594.1	3732673	2.36E-03	0.00E+00	2.36E-03	4.11E-04
3971	499598.8	3732665	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3972	499603.5	3732656	2.35E-03	0.00E+00	2.35E-03	4.09E-04
3973	499608.2	3732647	2.34E-03	0.00E+00	2.34E-03	4.08E-04
3974	499612.8	3732639	2.34E-03	0.00E+00	2.34E-03	4.08E-04
3975	499617.5	3732630	2.33E-03	0.00E+00	2.33E-03	4.07E-04
3976	499632.1	3732620	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3977	499641.9	3732619	2.43E-03	0.00E+00	2.43E-03	4.24E-04
3978	499651.8	3732618	2.49E-03	0.00E+00	2.49E-03	4.33E-04
3979	499661.7	3732617	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3980	499671.5	3732616	2.60E-03	0.00E+00	2.60E-03	4.54E-04
3981	499681.4	3732615	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3982	499691.2	3732614	2.73E-03	0.00E+00	2.73E-03	4.75E-04
3983	499701.1	3732613	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3984	499711	3732612	2.86E-03	0.00E+00	2.86E-03	4.99E-04
3985	499720.8	3732612	2.93E-03	0.00E+00	2.93E-03	5.11E-04
3986	499730.7	3732611	3.01E-03	0.00E+00	3.01E-03	5.24E-04
3987	499740.5	3732610	3.08E-03	0.00E+00	3.08E-03	5.37E-04
3988	499750.4	3732609	3.16E-03	0.00E+00	3.16E-03	5.50E-04

3989	499760.3	3732608	3.24E-03	0.00E+00	3.24E-03	5.65E-04
3990	499770.1	3732607	3.32E-03	0.00E+00	3.32E-03	5.79E-04
3991	499780	3732606	3.41E-03	0.00E+00	3.41E-03	5.94E-04
3992	499789.8	3732605	3.50E-03	0.00E+00	3.50E-03	6.10E-04
3993	499799.7	3732604	3.59E-03	0.00E+00	3.59E-03	6.26E-04
3994	499809.6	3732603	3.68E-03	0.00E+00	3.68E-03	6.42E-04
3995	499819.4	3732602	3.78E-03	0.00E+00	3.78E-03	6.59E-04
3996	499829.3	3732601	3.88E-03	0.00E+00	3.88E-03	6.76E-04
3997	499839.1	3732600	3.98E-03	0.00E+00	3.98E-03	6.94E-04
3998	499849	3732599	4.09E-03	0.00E+00	4.09E-03	7.12E-04
3999	499858.9	3732598	4.19E-03	0.00E+00	4.19E-03	7.30E-04
4000	499868.7	3732597	4.30E-03	0.00E+00	4.30E-03	7.49E-04
4001	499878.6	3732596	4.41E-03	0.00E+00	4.41E-03	7.68E-04
4002	499888.4	3732595	4.52E-03	0.00E+00	4.52E-03	7.87E-04
4003	499898.3	3732594	4.63E-03	0.00E+00	4.63E-03	8.07E-04
4004	499908.2	3732593	4.74E-03	0.00E+00	4.74E-03	8.26E-04
4005	499918	3732592	4.85E-03	0.00E+00	4.85E-03	8.46E-04
4006	499927.9	3732591	4.97E-03	0.00E+00	4.97E-03	8.65E-04
4007	499937.7	3732590	5.08E-03	0.00E+00	5.08E-03	8.85E-04
4008	499947.6	3732589	5.19E-03	0.00E+00	5.19E-03	9.04E-04
4009	499957.5	3732589	5.30E-03	0.00E+00	5.30E-03	9.23E-04
4010	499967.3	3732588	5.41E-03	0.00E+00	5.41E-03	9.42E-04
4011	499977.2	3732587	5.51E-03	0.00E+00	5.51E-03	9.61E-04
4012	499987	3732586	5.62E-03	0.00E+00	5.62E-03	9.79E-04
4013	499996.9	3732585	5.72E-03	0.00E+00	5.72E-03	9.97E-04
4014	499516.9	3732761	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4015	499521.5	3732753	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4016	499526.2	3732744	2.22E-03	0.00E+00	2.22E-03	3.86E-04
4017	499530.9	3732735	2.22E-03	0.00E+00	2.22E-03	3.86E-04
4018	499535.5	3732727	2.21E-03	0.00E+00	2.21E-03	3.86E-04
4019	499540.2	3732718	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4020	499544.9	3732709	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4021	499549.6	3732700	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4022	499554.2	3732692	2.20E-03	0.00E+00	2.20E-03	3.84E-04
4023	499558.9	3732683	2.20E-03	0.00E+00	2.20E-03	3.84E-04
4024	499563.6	3732674	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4025	499568.2	3732666	2.19E-03	0.00E+00	2.19E-03	3.82E-04
4026	499572.9	3732657	2.19E-03	0.00E+00	2.19E-03	3.82E-04
4027	499577.6	3732648	2.19E-03	0.00E+00	2.19E-03	3.81E-04
4028	499582.2	3732640	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4029	499586.9	3732631	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4030	499591.6	3732622	2.17E-03	0.00E+00	2.17E-03	3.79E-04
4031	499596.2	3732614	2.17E-03	0.00E+00	2.17E-03	3.78E-04
4032	499600.9	3732605	2.17E-03	0.00E+00	2.17E-03	3.77E-04
4033	499615.4	3732595	2.21E-03	0.00E+00	2.21E-03	3.84E-04
4034	499625.2	3732594	2.25E-03	0.00E+00	2.25E-03	3.92E-04
4035	499635.1	3732593	2.30E-03	0.00E+00	2.30E-03	4.01E-04

4036	499644.9	3732592	2.35E-03	0.00E+00	2.35E-03	4.09E-04
4037	499654.7	3732591	2.40E-03	0.00E+00	2.40E-03	4.18E-04
4038	499664.5	3732590	2.45E-03	0.00E+00	2.45E-03	4.28E-04
4039	499674.4	3732589	2.51E-03	0.00E+00	2.51E-03	4.37E-04
4040	499684.2	3732588	2.57E-03	0.00E+00	2.57E-03	4.47E-04
4041	499694	3732588	2.63E-03	0.00E+00	2.63E-03	4.57E-04
4042	499703.8	3732587	2.69E-03	0.00E+00	2.69E-03	4.68E-04
4043	499713.7	3732586	2.75E-03	0.00E+00	2.75E-03	4.79E-04
4044	499723.5	3732585	2.82E-03	0.00E+00	2.82E-03	4.90E-04
4045	499733.3	3732584	2.88E-03	0.00E+00	2.88E-03	5.02E-04
4046	499743.1	3732583	2.95E-03	0.00E+00	2.95E-03	5.14E-04
4047	499753	3732582	3.02E-03	0.00E+00	3.02E-03	5.27E-04
4048	499762.8	3732581	3.10E-03	0.00E+00	3.10E-03	5.40E-04
4049	499772.6	3732580	3.17E-03	0.00E+00	3.17E-03	5.53E-04
4050	499782.4	3732579	3.25E-03	0.00E+00	3.25E-03	5.67E-04
4051	499792.3	3732578	3.33E-03	0.00E+00	3.33E-03	5.81E-04
4052	499802.1	3732577	3.42E-03	0.00E+00	3.42E-03	5.96E-04
4053	499811.9	3732576	3.50E-03	0.00E+00	3.50E-03	6.10E-04
4054	499821.7	3732575	3.59E-03	0.00E+00	3.59E-03	6.26E-04
4055	499831.6	3732574	3.68E-03	0.00E+00	3.68E-03	6.41E-04
4056	499841.4	3732573	3.77E-03	0.00E+00	3.77E-03	6.57E-04
4057	499851.2	3732572	3.87E-03	0.00E+00	3.87E-03	6.74E-04
4058	499861.1	3732571	3.96E-03	0.00E+00	3.96E-03	6.90E-04
4059	499870.9	3732570	4.06E-03	0.00E+00	4.06E-03	7.07E-04
4060	499880.7	3732569	4.16E-03	0.00E+00	4.16E-03	7.24E-04
4061	499890.5	3732568	4.25E-03	0.00E+00	4.25E-03	7.41E-04
4062	499900.4	3732567	4.35E-03	0.00E+00	4.35E-03	7.59E-04
4063	499910.2	3732567	4.45E-03	0.00E+00	4.45E-03	7.76E-04
4064	499920	3732566	4.56E-03	0.00E+00	4.56E-03	7.94E-04
4065	499929.8	3732565	4.66E-03	0.00E+00	4.66E-03	8.11E-04
4066	499939.7	3732564	4.76E-03	0.00E+00	4.76E-03	8.29E-04
4067	499949.5	3732563	4.86E-03	0.00E+00	4.86E-03	8.46E-04
4068	499959.3	3732562	4.95E-03	0.00E+00	4.95E-03	8.63E-04
4069	499969.1	3732561	5.05E-03	0.00E+00	5.05E-03	8.80E-04
4070	499979	3732560	5.15E-03	0.00E+00	5.15E-03	8.97E-04
4071	499988.8	3732559	5.24E-03	0.00E+00	5.24E-03	9.13E-04
4072	499998.6	3732558	5.33E-03	0.00E+00	5.33E-03	9.29E-04
4073	500008.4	3732557	5.42E-03	0.00E+00	5.42E-03	9.45E-04
4074	499491.2	3732753	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4075	499495.9	3732745	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4076	499500.5	3732736	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4077	499505.2	3732727	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4078	499509.8	3732719	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4079	499514.5	3732710	2.06E-03	0.00E+00	2.06E-03	3.60E-04
4080	499542.4	3732658	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4081	499547.1	3732649	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4082	499551.7	3732641	2.04E-03	0.00E+00	2.04E-03	3.56E-04

4083	499556.4	3732632	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4084	499561	3732623	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4085	499565.7	3732615	2.03E-03	0.00E+00	2.03E-03	3.54E-04
4086	499570.3	3732606	2.03E-03	0.00E+00	2.03E-03	3.54E-04
4087	499575	3732597	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4088	499579.6	3732588	2.02E-03	0.00E+00	2.02E-03	3.52E-04
4089	499584.3	3732580	2.02E-03	0.00E+00	2.02E-03	3.52E-04
4090	499598.8	3732570	2.05E-03	0.00E+00	2.05E-03	3.58E-04
4091	499608.5	3732569	2.09E-03	0.00E+00	2.09E-03	3.65E-04
4092	499618.3	3732568	2.14E-03	0.00E+00	2.14E-03	3.72E-04
4093	499628.1	3732567	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4094	499637.9	3732566	2.22E-03	0.00E+00	2.22E-03	3.88E-04
4095	499647.7	3732565	2.27E-03	0.00E+00	2.27E-03	3.96E-04
4096	499657.5	3732564	2.32E-03	0.00E+00	2.32E-03	4.04E-04
4097	499667.3	3732564	2.37E-03	0.00E+00	2.37E-03	4.13E-04
4098	499677.1	3732563	2.42E-03	0.00E+00	2.42E-03	4.22E-04
4099	499686.9	3732562	2.47E-03	0.00E+00	2.47E-03	4.31E-04
4100	499696.7	3732561	2.53E-03	0.00E+00	2.53E-03	4.41E-04
4101	499706.5	3732560	2.59E-03	0.00E+00	2.59E-03	4.50E-04
4102	499716.3	3732559	2.64E-03	0.00E+00	2.64E-03	4.61E-04
4103	499726.1	3732558	2.70E-03	0.00E+00	2.70E-03	4.71E-04
4104	499735.9	3732557	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4105	499745.7	3732556	2.83E-03	0.00E+00	2.83E-03	4.93E-04
4106	499755.5	3732555	2.90E-03	0.00E+00	2.90E-03	5.05E-04
4107	499765.3	3732554	2.97E-03	0.00E+00	2.97E-03	5.17E-04
4108	499775.1	3732553	3.04E-03	0.00E+00	3.04E-03	5.29E-04
4109	499784.9	3732552	3.11E-03	0.00E+00	3.11E-03	5.42E-04
4110	499794.7	3732551	3.18E-03	0.00E+00	3.18E-03	5.55E-04
4111	499804.5	3732550	3.26E-03	0.00E+00	3.26E-03	5.68E-04
4112	499814.3	3732549	3.34E-03	0.00E+00	3.34E-03	5.81E-04
4113	499824.1	3732548	3.42E-03	0.00E+00	3.42E-03	5.95E-04
4114	499833.9	3732547	3.50E-03	0.00E+00	3.50E-03	6.10E-04
4115	499843.6	3732546	3.58E-03	0.00E+00	3.58E-03	6.24E-04
4116	499853.4	3732545	3.67E-03	0.00E+00	3.67E-03	6.39E-04
4117	499863.2	3732544	3.75E-03	0.00E+00	3.75E-03	6.54E-04
4118	499873	3732544	3.84E-03	0.00E+00	3.84E-03	6.69E-04
4119	499882.8	3732543	3.93E-03	0.00E+00	3.93E-03	6.84E-04
4120	499892.6	3732542	4.02E-03	0.00E+00	4.02E-03	7.00E-04
4121	499902.4	3732541	4.11E-03	0.00E+00	4.11E-03	7.15E-04
4122	499912.2	3732540	4.20E-03	0.00E+00	4.20E-03	7.31E-04
4123	499922	3732539	4.29E-03	0.00E+00	4.29E-03	7.47E-04
4124	499931.8	3732538	4.38E-03	0.00E+00	4.38E-03	7.63E-04
4125	499941.6	3732537	4.47E-03	0.00E+00	4.47E-03	7.78E-04
4126	499951.4	3732536	4.56E-03	0.00E+00	4.56E-03	7.94E-04
4127	499961.2	3732535	4.65E-03	0.00E+00	4.65E-03	8.10E-04
4128	499971	3732534	4.73E-03	0.00E+00	4.73E-03	8.25E-04
4129	499980.8	3732533	4.82E-03	0.00E+00	4.82E-03	8.40E-04

4130	499990.6	3732532	4.91E-03	0.00E+00	4.91E-03	8.55E-04
4131	500000.4	3732531	4.99E-03	0.00E+00	4.99E-03	8.69E-04
4132	499354.1	3732953	1.88E-03	0.00E+00	1.88E-03	3.28E-04
4133	499358.8	3732944	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4134	499363.4	3732935	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4135	499470.2	3732736	1.94E-03	0.00E+00	1.94E-03	3.37E-04
4136	499474.8	3732728	1.94E-03	0.00E+00	1.94E-03	3.37E-04
4137	499479.5	3732719	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4138	499484.1	3732711	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4139	499488.8	3732702	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4140	499493.4	3732693	1.93E-03	0.00E+00	1.93E-03	3.36E-04
4141	499535.2	3732615	1.91E-03	0.00E+00	1.91E-03	3.33E-04
4142	499539.8	3732607	1.91E-03	0.00E+00	1.91E-03	3.32E-04
4143	499544.5	3732598	1.90E-03	0.00E+00	1.90E-03	3.32E-04
4144	499549.1	3732589	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4145	499553.8	3732581	1.90E-03	0.00E+00	1.90E-03	3.30E-04
4146	499558.4	3732572	1.89E-03	0.00E+00	1.89E-03	3.30E-04
4147	499563	3732563	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4148	499567.7	3732555	1.89E-03	0.00E+00	1.89E-03	3.28E-04
4149	499582.1	3732545	1.92E-03	0.00E+00	1.92E-03	3.34E-04
4150	499591.9	3732544	1.95E-03	0.00E+00	1.95E-03	3.40E-04
4151	499601.6	3732543	1.99E-03	0.00E+00	1.99E-03	3.47E-04
4152	499611.4	3732542	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4153	499621.2	3732541	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4154	499630.9	3732540	2.11E-03	0.00E+00	2.11E-03	3.68E-04
4155	499640.7	3732540	2.15E-03	0.00E+00	2.15E-03	3.75E-04
4156	499650.5	3732539	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4157	499660.3	3732538	2.24E-03	0.00E+00	2.24E-03	3.90E-04
4158	499670	3732537	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4159	499679.8	3732536	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4160	499689.6	3732535	2.39E-03	0.00E+00	2.39E-03	4.16E-04
4161	499699.3	3732534	2.44E-03	0.00E+00	2.44E-03	4.25E-04
4162	499709.1	3732533	2.49E-03	0.00E+00	2.49E-03	4.34E-04
4163	499718.9	3732532	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4164	499728.6	3732531	2.60E-03	0.00E+00	2.60E-03	4.53E-04
4165	499738.4	3732530	2.66E-03	0.00E+00	2.66E-03	4.63E-04
4166	499748.2	3732529	2.72E-03	0.00E+00	2.72E-03	4.74E-04
4167	499758	3732528	2.78E-03	0.00E+00	2.78E-03	4.84E-04
4168	499767.7	3732527	2.84E-03	0.00E+00	2.84E-03	4.95E-04
4169	499777.5	3732526	2.91E-03	0.00E+00	2.91E-03	5.06E-04
4170	499787.3	3732525	2.97E-03	0.00E+00	2.97E-03	5.18E-04
4171	499797	3732524	3.04E-03	0.00E+00	3.04E-03	5.30E-04
4172	499806.8	3732523	3.11E-03	0.00E+00	3.11E-03	5.42E-04
4173	499816.6	3732522	3.18E-03	0.00E+00	3.18E-03	5.54E-04
4174	499826.3	3732521	3.26E-03	0.00E+00	3.26E-03	5.67E-04
4175	499836.1	3732521	3.33E-03	0.00E+00	3.33E-03	5.80E-04
4176	499845.9	3732520	3.41E-03	0.00E+00	3.41E-03	5.93E-04

4177	499855.7	3732519	3.48E-03	0.00E+00	3.48E-03	6.07E-04
4178	499865.4	3732518	3.56E-03	0.00E+00	3.56E-03	6.20E-04
4179	499875.2	3732517	3.64E-03	0.00E+00	3.64E-03	6.34E-04
4180	499885	3732516	3.72E-03	0.00E+00	3.72E-03	6.48E-04
4181	499894.7	3732515	3.80E-03	0.00E+00	3.80E-03	6.62E-04
4182	499904.5	3732514	3.88E-03	0.00E+00	3.88E-03	6.76E-04
4183	499914.3	3732513	3.96E-03	0.00E+00	3.96E-03	6.91E-04
4184	499924	3732512	4.04E-03	0.00E+00	4.04E-03	7.05E-04
4185	499933.8	3732511	4.13E-03	0.00E+00	4.13E-03	7.19E-04
4186	499943.6	3732510	4.21E-03	0.00E+00	4.21E-03	7.33E-04
4187	499953.3	3732509	4.29E-03	0.00E+00	4.29E-03	7.47E-04
4188	499963.1	3732508	4.37E-03	0.00E+00	4.37E-03	7.61E-04
4189	499972.9	3732507	4.45E-03	0.00E+00	4.45E-03	7.75E-04
4190	499982.7	3732506	4.53E-03	0.00E+00	4.53E-03	7.89E-04
4191	500012	3732503	4.76E-03	0.00E+00	4.76E-03	8.29E-04
4192	500021.7	3732503	4.83E-03	0.00E+00	4.83E-03	8.41E-04
4193	500031.5	3732502	4.90E-03	0.00E+00	4.90E-03	8.54E-04
4194	499349.5	3732961	1.88E-03	0.00E+00	1.88E-03	3.27E-04
4195	499349.4	3732971	1.90E-03	0.00E+00	1.90E-03	3.30E-04
4196	499349.4	3732981	1.91E-03	0.00E+00	1.91E-03	3.34E-04
4197	499349.4	3732991	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4198	499349.4	3733001	1.95E-03	0.00E+00	1.95E-03	3.40E-04
4199	499349.4	3733011	1.97E-03	0.00E+00	1.97E-03	3.43E-04
4200	499349.3	3733021	1.99E-03	0.00E+00	1.99E-03	3.46E-04
4201	499349.3	3733031	2.01E-03	0.00E+00	2.01E-03	3.50E-04
4202	499349.3	3733041	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4203	499349.3	3733051	2.05E-03	0.00E+00	2.05E-03	3.56E-04
4204	499349.3	3733061	2.06E-03	0.00E+00	2.06E-03	3.60E-04
4205	499349.2	3733070	2.08E-03	0.00E+00	2.08E-03	3.63E-04
4206	499349.2	3733080	2.10E-03	0.00E+00	2.10E-03	3.67E-04
4207	499349.2	3733090	2.12E-03	0.00E+00	2.12E-03	3.70E-04
4208	499349.2	3733100	2.14E-03	0.00E+00	2.14E-03	3.73E-04
4209	499349.2	3733110	2.16E-03	0.00E+00	2.16E-03	3.77E-04
4210	499349.1	3733120	2.18E-03	0.00E+00	2.18E-03	3.81E-04
4211	499349.1	3733130	2.20E-03	0.00E+00	2.20E-03	3.84E-04
4212	499349.1	3733140	2.23E-03	0.00E+00	2.23E-03	3.88E-04
4213	499349.1	3733150	2.25E-03	0.00E+00	2.25E-03	3.91E-04
4214	499349	3733160	2.27E-03	0.00E+00	2.27E-03	3.95E-04
4215	499349	3733170	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4216	499349	3733180	2.31E-03	0.00E+00	2.31E-03	4.02E-04
4217	499349	3733190	2.33E-03	0.00E+00	2.33E-03	4.06E-04
4218	499349	3733199	2.35E-03	0.00E+00	2.35E-03	4.10E-04
4219	499348.9	3733209	2.37E-03	0.00E+00	2.37E-03	4.14E-04
4220	499348.9	3733219	2.40E-03	0.00E+00	2.40E-03	4.17E-04
4221	499348.9	3733229	2.42E-03	0.00E+00	2.42E-03	4.21E-04
4222	499348.9	3733239	2.44E-03	0.00E+00	2.44E-03	4.25E-04
4223	499348.9	3733249	2.46E-03	0.00E+00	2.46E-03	4.29E-04

4224	499348.8	3733259	2.48E-03	0.00E+00	2.48E-03	4.33E-04
4225	499348.8	3733269	2.51E-03	0.00E+00	2.51E-03	4.37E-04
4226	499348.8	3733279	2.53E-03	0.00E+00	2.53E-03	4.41E-04
4227	499314.1	3732953	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4228	499318.7	3732944	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4229	499323.4	3732935	1.73E-03	0.00E+00	1.73E-03	3.02E-04
4230	499328	3732927	1.74E-03	0.00E+00	1.74E-03	3.02E-04
4231	499332.6	3732918	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4232	499337.2	3732909	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4233	499341.9	3732901	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4234	499346.5	3732892	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4235	499351.1	3732884	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4236	499355.8	3732875	1.75E-03	0.00E+00	1.75E-03	3.06E-04
4237	499439.1	3732720	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4238	499443.7	3732711	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4239	499448.3	3732703	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4240	499453	3732694	1.78E-03	0.00E+00	1.78E-03	3.09E-04
4241	499457.6	3732685	1.78E-03	0.00E+00	1.78E-03	3.09E-04
4242	499462.2	3732677	1.77E-03	0.00E+00	1.77E-03	3.09E-04
4243	499494.6	3732616	1.76E-03	0.00E+00	1.76E-03	3.07E-04
4244	499499.2	3732608	1.76E-03	0.00E+00	1.76E-03	3.07E-04
4245	499503.9	3732599	1.76E-03	0.00E+00	1.76E-03	3.06E-04
4246	499508.5	3732590	1.75E-03	0.00E+00	1.75E-03	3.06E-04
4247	499513.1	3732582	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4248	499517.8	3732573	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4249	499522.4	3732565	1.75E-03	0.00E+00	1.75E-03	3.04E-04
4250	499527	3732556	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4251	499531.6	3732547	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4252	499536.3	3732539	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4253	499540.9	3732530	1.73E-03	0.00E+00	1.73E-03	3.02E-04
4254	499545.5	3732522	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4255	499559.9	3732512	1.76E-03	0.00E+00	1.76E-03	3.06E-04
4256	499569.6	3732511	1.79E-03	0.00E+00	1.79E-03	3.12E-04
4257	499579.4	3732510	1.82E-03	0.00E+00	1.82E-03	3.17E-04
4258	499589.1	3732509	1.85E-03	0.00E+00	1.85E-03	3.23E-04
4259	499598.9	3732508	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4260	499608.6	3732507	1.92E-03	0.00E+00	1.92E-03	3.35E-04
4261	499618.3	3732506	1.96E-03	0.00E+00	1.96E-03	3.41E-04
4262	499628.1	3732505	2.00E-03	0.00E+00	2.00E-03	3.48E-04
4263	499637.8	3732504	2.03E-03	0.00E+00	2.03E-03	3.54E-04
4264	499647.6	3732503	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4265	499657.3	3732502	2.11E-03	0.00E+00	2.11E-03	3.68E-04
4266	499667	3732502	2.16E-03	0.00E+00	2.16E-03	3.76E-04
4267	499676.8	3732501	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4268	499686.5	3732500	2.24E-03	0.00E+00	2.24E-03	3.91E-04
4269	499696.3	3732499	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4270	499706	3732498	2.34E-03	0.00E+00	2.34E-03	4.07E-04

4271	499715.7	3732497	2.39E-03	0.00E+00	2.39E-03	4.16E-04
4272	499725.5	3732496	2.44E-03	0.00E+00	2.44E-03	4.25E-04
4273	499735.2	3732495	2.49E-03	0.00E+00	2.49E-03	4.34E-04
4274	499745	3732494	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4275	499754.7	3732493	2.60E-03	0.00E+00	2.60E-03	4.52E-04
4276	499764.4	3732492	2.65E-03	0.00E+00	2.65E-03	4.62E-04
4277	499774.2	3732491	2.71E-03	0.00E+00	2.71E-03	4.72E-04
4278	499783.9	3732490	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4279	499793.7	3732489	2.83E-03	0.00E+00	2.83E-03	4.93E-04
4280	499803.4	3732488	2.89E-03	0.00E+00	2.89E-03	5.03E-04
4281	499813.1	3732487	2.95E-03	0.00E+00	2.95E-03	5.14E-04
4282	499822.9	3732486	3.02E-03	0.00E+00	3.02E-03	5.25E-04
4283	499832.6	3732485	3.08E-03	0.00E+00	3.08E-03	5.37E-04
4284	499842.3	3732484	3.15E-03	0.00E+00	3.15E-03	5.48E-04
4285	499852.1	3732484	3.21E-03	0.00E+00	3.21E-03	5.60E-04
4286	499861.8	3732483	3.28E-03	0.00E+00	3.28E-03	5.72E-04
4287	499871.6	3732482	3.35E-03	0.00E+00	3.35E-03	5.84E-04
4288	499881.3	3732481	3.42E-03	0.00E+00	3.42E-03	5.96E-04
4289	499891	3732480	3.49E-03	0.00E+00	3.49E-03	6.09E-04
4290	499900.8	3732479	3.56E-03	0.00E+00	3.56E-03	6.21E-04
4291	499910.5	3732478	3.64E-03	0.00E+00	3.64E-03	6.34E-04
4292	499920.3	3732477	3.71E-03	0.00E+00	3.71E-03	6.46E-04
4293	499930	3732476	3.78E-03	0.00E+00	3.78E-03	6.59E-04
4294	499939.7	3732475	3.85E-03	0.00E+00	3.85E-03	6.71E-04
4295	499949.5	3732474	3.92E-03	0.00E+00	3.92E-03	6.84E-04
4296	499959.2	3732473	4.00E-03	0.00E+00	4.00E-03	6.96E-04
4297	499988.4	3732470	4.21E-03	0.00E+00	4.21E-03	7.33E-04
4298	499998.2	3732469	4.27E-03	0.00E+00	4.27E-03	7.45E-04
4299	500007.9	3732468	4.34E-03	0.00E+00	4.34E-03	7.56E-04
4300	500017.7	3732467	4.41E-03	0.00E+00	4.41E-03	7.68E-04
4301	500027.4	3732467	4.47E-03	0.00E+00	4.47E-03	7.79E-04
4302	500037.1	3732466	4.53E-03	0.00E+00	4.53E-03	7.90E-04
4303	500046.9	3732465	4.59E-03	0.00E+00	4.59E-03	8.00E-04
4304	499309.5	3732961	1.72E-03	0.00E+00	1.72E-03	3.00E-04
4305	499309.4	3732971	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4306	499309.4	3732981	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4307	499309.4	3732991	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4308	499309.4	3733001	1.78E-03	0.00E+00	1.78E-03	3.11E-04
4309	499309.4	3733011	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4310	499309.3	3733021	1.82E-03	0.00E+00	1.82E-03	3.16E-04
4311	499309.3	3733031	1.83E-03	0.00E+00	1.83E-03	3.19E-04
4312	499309.3	3733041	1.85E-03	0.00E+00	1.85E-03	3.22E-04
4313	499309.3	3733051	1.86E-03	0.00E+00	1.86E-03	3.25E-04
4314	499309.3	3733060	1.88E-03	0.00E+00	1.88E-03	3.28E-04
4315	499309.2	3733070	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4316	499309.2	3733080	1.91E-03	0.00E+00	1.91E-03	3.34E-04
4317	499309.2	3733090	1.93E-03	0.00E+00	1.93E-03	3.36E-04

4318	499309.2	3733100	1.95E-03	0.00E+00	1.95E-03	3.39E-04
4319	499309.2	3733110	1.97E-03	0.00E+00	1.97E-03	3.42E-04
4320	499309.1	3733120	1.98E-03	0.00E+00	1.98E-03	3.45E-04
4321	499309.1	3733130	2.00E-03	0.00E+00	2.00E-03	3.49E-04
4322	499309.1	3733140	2.02E-03	0.00E+00	2.02E-03	3.52E-04
4323	499309.1	3733150	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4324	499309	3733160	2.05E-03	0.00E+00	2.05E-03	3.58E-04
4325	499309	3733170	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4326	499309	3733179	2.09E-03	0.00E+00	2.09E-03	3.64E-04
4327	499309	3733189	2.11E-03	0.00E+00	2.11E-03	3.67E-04
4328	499309	3733199	2.13E-03	0.00E+00	2.13E-03	3.70E-04
4329	499308.9	3733209	2.14E-03	0.00E+00	2.14E-03	3.74E-04
4330	499308.9	3733219	2.16E-03	0.00E+00	2.16E-03	3.77E-04
4331	499308.9	3733229	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4332	499308.9	3733239	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4333	499308.9	3733249	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4334	499308.8	3733259	2.24E-03	0.00E+00	2.24E-03	3.90E-04
4335	499308.8	3733269	2.26E-03	0.00E+00	2.26E-03	3.93E-04
4336	499308.8	3733279	2.28E-03	0.00E+00	2.28E-03	3.97E-04
4337	499274.1	3732953	1.59E-03	0.00E+00	1.59E-03	2.77E-04
4338	499278.7	3732944	1.59E-03	0.00E+00	1.59E-03	2.77E-04
4339	499283.3	3732935	1.59E-03	0.00E+00	1.59E-03	2.78E-04
4340	499287.9	3732927	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4341	499292.5	3732918	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4342	499297.2	3732910	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4343	499301.8	3732901	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4344	499306.4	3732892	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4345	499311	3732884	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4346	499315.6	3732875	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4347	499320.2	3732867	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4348	499408	3732703	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4349	499412.6	3732695	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4350	499417.2	3732686	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4351	499421.8	3732677	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4352	499458.7	3732609	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4353	499463.4	3732600	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4354	499468	3732591	1.63E-03	0.00E+00	1.63E-03	2.83E-04
4355	499472.6	3732583	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4356	499477.2	3732574	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4357	499481.8	3732566	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4358	499486.4	3732557	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4359	499491.1	3732548	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4360	499495.7	3732540	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4361	499500.3	3732531	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4362	499504.9	3732523	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4363	499509.5	3732514	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4364	499514.1	3732505	1.60E-03	0.00E+00	1.60E-03	2.79E-04

4365	499518.8	3732497	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4366	499523.4	3732488	1.59E-03	0.00E+00	1.59E-03	2.78E-04
4367	499537.7	3732479	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4368	499547.4	3732478	1.65E-03	0.00E+00	1.65E-03	2.87E-04
4369	499557.1	3732477	1.67E-03	0.00E+00	1.67E-03	2.92E-04
4370	499566.8	3732476	1.70E-03	0.00E+00	1.70E-03	2.96E-04
4371	499576.6	3732475	1.73E-03	0.00E+00	1.73E-03	3.02E-04
4372	499586.3	3732474	1.76E-03	0.00E+00	1.76E-03	3.07E-04
4373	499596	3732473	1.79E-03	0.00E+00	1.79E-03	3.12E-04
4374	499605.7	3732472	1.82E-03	0.00E+00	1.82E-03	3.18E-04
4375	499615.4	3732471	1.86E-03	0.00E+00	1.86E-03	3.24E-04
4376	499625.1	3732470	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4377	499634.8	3732469	1.93E-03	0.00E+00	1.93E-03	3.36E-04
4378	499644.6	3732468	1.96E-03	0.00E+00	1.96E-03	3.42E-04
4379	499654.3	3732467	2.00E-03	0.00E+00	2.00E-03	3.48E-04
4380	499664	3732466	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4381	499673.7	3732465	2.08E-03	0.00E+00	2.08E-03	3.62E-04
4382	499683.4	3732464	2.12E-03	0.00E+00	2.12E-03	3.69E-04
4383	499693.1	3732464	2.16E-03	0.00E+00	2.16E-03	3.76E-04
4384	499702.8	3732463	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4385	499712.6	3732462	2.24E-03	0.00E+00	2.24E-03	3.91E-04
4386	499722.3	3732461	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4387	499732	3732460	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4388	499741.7	3732459	2.38E-03	0.00E+00	2.38E-03	4.15E-04
4389	499751.4	3732458	2.43E-03	0.00E+00	2.43E-03	4.24E-04
4390	499761.1	3732457	2.48E-03	0.00E+00	2.48E-03	4.32E-04
4391	499770.8	3732456	2.53E-03	0.00E+00	2.53E-03	4.41E-04
4392	499780.5	3732455	2.58E-03	0.00E+00	2.58E-03	4.50E-04
4393	499790.3	3732454	2.64E-03	0.00E+00	2.64E-03	4.60E-04
4394	499800	3732453	2.69E-03	0.00E+00	2.69E-03	4.69E-04
4395	499809.7	3732452	2.75E-03	0.00E+00	2.75E-03	4.79E-04
4396	499819.4	3732451	2.80E-03	0.00E+00	2.80E-03	4.89E-04
4397	499829.1	3732450	2.86E-03	0.00E+00	2.86E-03	4.99E-04
4398	499838.8	3732449	2.92E-03	0.00E+00	2.92E-03	5.09E-04
4399	499848.5	3732448	2.98E-03	0.00E+00	2.98E-03	5.19E-04
4400	499858.3	3732448	3.04E-03	0.00E+00	3.04E-03	5.30E-04
4401	499868	3732447	3.10E-03	0.00E+00	3.10E-03	5.40E-04
4402	499877.7	3732446	3.16E-03	0.00E+00	3.16E-03	5.51E-04
4403	499887.4	3732445	3.23E-03	0.00E+00	3.23E-03	5.62E-04
4404	499897.1	3732444	3.29E-03	0.00E+00	3.29E-03	5.73E-04
4405	499906.8	3732443	3.35E-03	0.00E+00	3.35E-03	5.84E-04
4406	499916.5	3732442	3.42E-03	0.00E+00	3.42E-03	5.95E-04
4407	499926.3	3732441	3.48E-03	0.00E+00	3.48E-03	6.06E-04
4408	499965.1	3732437	3.73E-03	0.00E+00	3.73E-03	6.51E-04
4409	499974.8	3732436	3.80E-03	0.00E+00	3.80E-03	6.62E-04
4410	499984.5	3732435	3.86E-03	0.00E+00	3.86E-03	6.72E-04
4411	499994.3	3732434	3.92E-03	0.00E+00	3.92E-03	6.83E-04

4412	500004	3732433	3.98E-03	0.00E+00	3.98E-03	6.94E-04
4413	500013.7	3732432	4.04E-03	0.00E+00	4.04E-03	7.04E-04
4414	500023.4	3732431	4.10E-03	0.00E+00	4.10E-03	7.14E-04
4415	500033.1	3732431	4.15E-03	0.00E+00	4.15E-03	7.24E-04
4416	500042.8	3732430	4.21E-03	0.00E+00	4.21E-03	7.34E-04
4417	500052.5	3732429	4.26E-03	0.00E+00	4.26E-03	7.43E-04
4418	500062.3	3732428	4.32E-03	0.00E+00	4.32E-03	7.52E-04
4419	499269.5	3732961	1.59E-03	0.00E+00	1.59E-03	2.76E-04
4420	499269.4	3732971	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4421	499269.4	3732981	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4422	499269.4	3732991	1.63E-03	0.00E+00	1.63E-03	2.83E-04
4423	499269.4	3733001	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4424	499269.4	3733011	1.65E-03	0.00E+00	1.65E-03	2.88E-04
4425	499269.3	3733021	1.67E-03	0.00E+00	1.67E-03	2.90E-04
4426	499269.3	3733031	1.68E-03	0.00E+00	1.68E-03	2.93E-04
4427	499269.3	3733041	1.69E-03	0.00E+00	1.69E-03	2.95E-04
4428	499269.3	3733050	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4429	499269.3	3733060	1.72E-03	0.00E+00	1.72E-03	3.00E-04
4430	499269.2	3733070	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4431	499269.2	3733080	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4432	499269.2	3733090	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4433	499269.2	3733100	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4434	499269.2	3733110	1.80E-03	0.00E+00	1.80E-03	3.13E-04
4435	499269.1	3733120	1.81E-03	0.00E+00	1.81E-03	3.15E-04
4436	499269.1	3733130	1.82E-03	0.00E+00	1.82E-03	3.18E-04
4437	499269.1	3733140	1.84E-03	0.00E+00	1.84E-03	3.21E-04
4438	499269.1	3733150	1.86E-03	0.00E+00	1.86E-03	3.23E-04
4439	499269	3733160	1.87E-03	0.00E+00	1.87E-03	3.26E-04
4440	499269	3733169	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4441	499269	3733179	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4442	499269	3733189	1.92E-03	0.00E+00	1.92E-03	3.34E-04
4443	499269	3733199	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4444	499268.9	3733209	1.95E-03	0.00E+00	1.95E-03	3.39E-04
4445	499268.9	3733219	1.96E-03	0.00E+00	1.96E-03	3.42E-04
4446	499268.9	3733229	1.98E-03	0.00E+00	1.98E-03	3.45E-04
4447	499268.9	3733239	2.00E-03	0.00E+00	2.00E-03	3.48E-04
4448	499268.9	3733249	2.01E-03	0.00E+00	2.01E-03	3.51E-04
4449	499268.8	3733259	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4450	499268.8	3733269	2.04E-03	0.00E+00	2.04E-03	3.56E-04
4451	499268.8	3733279	2.06E-03	0.00E+00	2.06E-03	3.59E-04
4452	499234.2	3732952	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4453	499238.8	3732944	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4454	499243.5	3732935	1.47E-03	0.00E+00	1.47E-03	2.57E-04
4455	499248.2	3732926	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4456	499252.9	3732917	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4457	499257.6	3732909	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4458	499262.3	3732900	1.48E-03	0.00E+00	1.48E-03	2.59E-04

4459	499266.9	3732891	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4460	499271.6	3732883	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4461	499276.3	3732874	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4462	499281	3732865	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4463	499285.7	3732856	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4464	499416.8	3732612	1.52E-03	0.00E+00	1.52E-03	2.64E-04
4465	499421.5	3732603	1.51E-03	0.00E+00	1.51E-03	2.64E-04
4466	499426.2	3732595	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4467	499430.9	3732586	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4468	499435.6	3732577	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4469	499440.2	3732568	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4470	499444.9	3732560	1.51E-03	0.00E+00	1.51E-03	2.62E-04
4471	499449.6	3732551	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4472	499454.3	3732542	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4473	499459	3732534	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4474	499463.7	3732525	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4475	499468.3	3732516	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4476	499473	3732507	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4477	499477.7	3732499	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4478	499482.4	3732490	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4479	499487.1	3732481	1.48E-03	0.00E+00	1.48E-03	2.59E-04
4480	499491.8	3732472	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4481	499496.5	3732464	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4482	499501.1	3732455	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4483	499515.7	3732445	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4484	499525.5	3732444	1.52E-03	0.00E+00	1.52E-03	2.65E-04
4485	499535.4	3732443	1.55E-03	0.00E+00	1.55E-03	2.69E-04
4486	499545.2	3732442	1.57E-03	0.00E+00	1.57E-03	2.74E-04
4487	499555.1	3732442	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4488	499565	3732441	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4489	499574.8	3732440	1.65E-03	0.00E+00	1.65E-03	2.88E-04
4490	499584.7	3732439	1.68E-03	0.00E+00	1.68E-03	2.93E-04
4491	499594.5	3732438	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4492	499604.4	3732437	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4493	499614.2	3732436	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4494	499624.1	3732435	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4495	499633.9	3732434	1.83E-03	0.00E+00	1.83E-03	3.20E-04
4496	499643.8	3732433	1.87E-03	0.00E+00	1.87E-03	3.25E-04
4497	499653.7	3732432	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4498	499663.5	3732431	1.94E-03	0.00E+00	1.94E-03	3.37E-04
4499	499673.4	3732430	1.97E-03	0.00E+00	1.97E-03	3.44E-04
4500	499683.2	3732429	2.01E-03	0.00E+00	2.01E-03	3.50E-04
4501	499693.1	3732428	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4502	499702.9	3732427	2.09E-03	0.00E+00	2.09E-03	3.64E-04
4503	499712.8	3732426	2.13E-03	0.00E+00	2.13E-03	3.71E-04
4504	499722.6	3732425	2.17E-03	0.00E+00	2.17E-03	3.78E-04
4505	499732.5	3732424	2.21E-03	0.00E+00	2.21E-03	3.86E-04

4506	499742.4	3732423	2.26E-03	0.00E+00	2.26E-03	3.93E-04
4507	499752.2	3732422	2.30E-03	0.00E+00	2.30E-03	4.01E-04
4508	499762.1	3732421	2.35E-03	0.00E+00	2.35E-03	4.09E-04
4509	499771.9	3732420	2.39E-03	0.00E+00	2.39E-03	4.17E-04
4510	499781.8	3732419	2.44E-03	0.00E+00	2.44E-03	4.26E-04
4511	499791.6	3732419	2.49E-03	0.00E+00	2.49E-03	4.34E-04
4512	499801.5	3732418	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4513	499811.3	3732417	2.59E-03	0.00E+00	2.59E-03	4.52E-04
4514	499821.2	3732416	2.64E-03	0.00E+00	2.64E-03	4.61E-04
4515	499831.1	3732415	2.70E-03	0.00E+00	2.70E-03	4.70E-04
4516	499840.9	3732414	2.75E-03	0.00E+00	2.75E-03	4.79E-04
4517	499850.8	3732413	2.80E-03	0.00E+00	2.80E-03	4.89E-04
4518	499860.6	3732412	2.86E-03	0.00E+00	2.86E-03	4.98E-04
4519	499870.5	3732411	2.92E-03	0.00E+00	2.92E-03	5.08E-04
4520	499880.3	3732410	2.97E-03	0.00E+00	2.97E-03	5.18E-04
4521	499890.2	3732409	3.03E-03	0.00E+00	3.03E-03	5.28E-04
4522	499900.1	3732408	3.09E-03	0.00E+00	3.09E-03	5.38E-04
4523	499939.5	3732404	3.32E-03	0.00E+00	3.32E-03	5.78E-04
4524	499949.3	3732403	3.37E-03	0.00E+00	3.37E-03	5.88E-04
4525	499959.2	3732402	3.43E-03	0.00E+00	3.43E-03	5.98E-04
4526	499969	3732401	3.49E-03	0.00E+00	3.49E-03	6.08E-04
4527	499978.9	3732400	3.55E-03	0.00E+00	3.55E-03	6.18E-04
4528	499988.8	3732399	3.60E-03	0.00E+00	3.60E-03	6.28E-04
4529	499998.6	3732398	3.66E-03	0.00E+00	3.66E-03	6.37E-04
4530	500008.5	3732397	3.71E-03	0.00E+00	3.71E-03	6.47E-04
4531	500018.3	3732396	3.77E-03	0.00E+00	3.77E-03	6.56E-04
4532	500028.2	3732396	3.82E-03	0.00E+00	3.82E-03	6.65E-04
4533	500038	3732395	3.87E-03	0.00E+00	3.87E-03	6.74E-04
4534	500047.9	3732394	3.92E-03	0.00E+00	3.92E-03	6.83E-04
4535	500057.7	3732393	3.97E-03	0.00E+00	3.97E-03	6.92E-04
4536	500067.6	3732392	4.02E-03	0.00E+00	4.02E-03	7.00E-04
4537	500077.5	3732391	4.06E-03	0.00E+00	4.06E-03	7.08E-04
4538	499229.5	3732961	1.47E-03	0.00E+00	1.47E-03	2.55E-04
4539	499229.4	3732971	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4540	499229.4	3732981	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4541	499229.4	3732991	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4542	499229.4	3733001	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4543	499229.4	3733011	1.52E-03	0.00E+00	1.52E-03	2.66E-04
4544	499229.3	3733021	1.54E-03	0.00E+00	1.54E-03	2.68E-04
4545	499229.3	3733030	1.55E-03	0.00E+00	1.55E-03	2.70E-04
4546	499229.3	3733040	1.56E-03	0.00E+00	1.56E-03	2.72E-04
4547	499229.3	3733050	1.57E-03	0.00E+00	1.57E-03	2.74E-04
4548	499229.3	3733060	1.59E-03	0.00E+00	1.59E-03	2.76E-04
4549	499229.2	3733070	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4550	499229.2	3733080	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4551	499229.2	3733090	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4552	499229.2	3733100	1.64E-03	0.00E+00	1.64E-03	2.85E-04

4553	499229.2	3733110	1.65E-03	0.00E+00	1.65E-03	2.87E-04
4554	499229.1	3733120	1.66E-03	0.00E+00	1.66E-03	2.90E-04
4555	499229.1	3733130	1.67E-03	0.00E+00	1.67E-03	2.92E-04
4556	499229.1	3733140	1.69E-03	0.00E+00	1.69E-03	2.94E-04
4557	499229.1	3733150	1.70E-03	0.00E+00	1.70E-03	2.96E-04
4558	499229	3733159	1.71E-03	0.00E+00	1.71E-03	2.99E-04
4559	499229	3733169	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4560	499229	3733179	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4561	499229	3733189	1.75E-03	0.00E+00	1.75E-03	3.06E-04
4562	499229	3733199	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4563	499228.9	3733209	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4564	499228.9	3733219	1.80E-03	0.00E+00	1.80E-03	3.13E-04
4565	499228.9	3733229	1.81E-03	0.00E+00	1.81E-03	3.15E-04
4566	499228.9	3733239	1.82E-03	0.00E+00	1.82E-03	3.18E-04
4567	499228.9	3733249	1.84E-03	0.00E+00	1.84E-03	3.20E-04
4568	499228.8	3733259	1.85E-03	0.00E+00	1.85E-03	3.23E-04
4569	499228.8	3733269	1.86E-03	0.00E+00	1.86E-03	3.25E-04
4570	499228.8	3733279	1.88E-03	0.00E+00	1.88E-03	3.27E-04
4571	499194.1	3732952	1.36E-03	0.00E+00	1.36E-03	2.37E-04
4572	499198.8	3732944	1.37E-03	0.00E+00	1.37E-03	2.38E-04
4573	499203.5	3732935	1.37E-03	0.00E+00	1.37E-03	2.38E-04
4574	499208.1	3732926	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4575	499212.8	3732917	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4576	499217.5	3732909	1.37E-03	0.00E+00	1.37E-03	2.40E-04
4577	499222.2	3732900	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4578	499226.8	3732891	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4579	499231.5	3732883	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4580	499236.2	3732874	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4581	499240.8	3732865	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4582	499245.5	3732857	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4583	499250.2	3732848	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4584	499254.8	3732839	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4585	499338.9	3732683	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4586	499343.6	3732674	1.41E-03	0.00E+00	1.41E-03	2.47E-04
4587	499348.2	3732665	1.41E-03	0.00E+00	1.41E-03	2.47E-04
4588	499352.9	3732657	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4589	499357.6	3732648	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4590	499399.6	3732570	1.41E-03	0.00E+00	1.41E-03	2.45E-04
4591	499404.3	3732561	1.41E-03	0.00E+00	1.41E-03	2.45E-04
4592	499408.9	3732552	1.40E-03	0.00E+00	1.40E-03	2.45E-04
4593	499413.6	3732543	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4594	499418.3	3732535	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4595	499422.9	3732526	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4596	499427.6	3732517	1.40E-03	0.00E+00	1.40E-03	2.43E-04
4597	499432.3	3732509	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4598	499437	3732500	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4599	499460.3	3732457	1.38E-03	0.00E+00	1.38E-03	2.41E-04

4600	499465	3732448	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4601	499469.6	3732439	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4602	499474.3	3732430	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4603	499479	3732422	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4604	499493.5	3732412	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4605	499503.3	3732411	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4606	499513.1	3732410	1.43E-03	0.00E+00	1.43E-03	2.50E-04
4607	499562.3	3732405	1.55E-03	0.00E+00	1.55E-03	2.70E-04
4608	499572.1	3732404	1.58E-03	0.00E+00	1.58E-03	2.74E-04
4609	499581.9	3732403	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4610	499591.7	3732403	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4611	499601.6	3732402	1.66E-03	0.00E+00	1.66E-03	2.88E-04
4612	499611.4	3732401	1.68E-03	0.00E+00	1.68E-03	2.93E-04
4613	499621.2	3732400	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4614	499631	3732399	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4615	499640.9	3732398	1.77E-03	0.00E+00	1.77E-03	3.09E-04
4616	499650.7	3732397	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4617	499660.5	3732396	1.84E-03	0.00E+00	1.84E-03	3.20E-04
4618	499670.3	3732395	1.87E-03	0.00E+00	1.87E-03	3.26E-04
4619	499680.2	3732394	1.90E-03	0.00E+00	1.90E-03	3.32E-04
4620	499690	3732393	1.94E-03	0.00E+00	1.94E-03	3.38E-04
4621	499699.8	3732392	1.97E-03	0.00E+00	1.97E-03	3.44E-04
4622	499709.6	3732391	2.01E-03	0.00E+00	2.01E-03	3.50E-04
4623	499719.5	3732390	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4624	499729.3	3732389	2.09E-03	0.00E+00	2.09E-03	3.64E-04
4625	499739.1	3732388	2.13E-03	0.00E+00	2.13E-03	3.71E-04
4626	499748.9	3732387	2.17E-03	0.00E+00	2.17E-03	3.78E-04
4627	499758.8	3732386	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4628	499768.6	3732385	2.25E-03	0.00E+00	2.25E-03	3.92E-04
4629	499778.4	3732384	2.29E-03	0.00E+00	2.29E-03	4.00E-04
4630	499788.2	3732383	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4631	499798.1	3732382	2.38E-03	0.00E+00	2.38E-03	4.15E-04
4632	499807.9	3732381	2.43E-03	0.00E+00	2.43E-03	4.23E-04
4633	499817.7	3732381	2.47E-03	0.00E+00	2.47E-03	4.31E-04
4634	499827.5	3732380	2.52E-03	0.00E+00	2.52E-03	4.39E-04
4635	499837.4	3732379	2.57E-03	0.00E+00	2.57E-03	4.48E-04
4636	499847.2	3732378	2.62E-03	0.00E+00	2.62E-03	4.56E-04
4637	499857	3732377	2.67E-03	0.00E+00	2.67E-03	4.65E-04
4638	499866.8	3732376	2.72E-03	0.00E+00	2.72E-03	4.73E-04
4639	499876.7	3732375	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4640	499916	3732371	2.97E-03	0.00E+00	2.97E-03	5.18E-04
4641	499925.8	3732370	3.02E-03	0.00E+00	3.02E-03	5.27E-04
4642	499935.6	3732369	3.07E-03	0.00E+00	3.07E-03	5.36E-04
4643	499945.4	3732368	3.13E-03	0.00E+00	3.13E-03	5.45E-04
4644	499955.3	3732367	3.18E-03	0.00E+00	3.18E-03	5.54E-04
4645	499965.1	3732366	3.23E-03	0.00E+00	3.23E-03	5.63E-04
4646	499974.9	3732365	3.28E-03	0.00E+00	3.28E-03	5.72E-04

4647	499984.7	3732364	3.33E-03	0.00E+00	3.33E-03	5.80E-04
4648	499994.6	3732363	3.38E-03	0.00E+00	3.38E-03	5.89E-04
4649	500004.4	3732362	3.43E-03	0.00E+00	3.43E-03	5.98E-04
4650	500014.2	3732361	3.48E-03	0.00E+00	3.48E-03	6.06E-04
4651	500024.1	3732360	3.53E-03	0.00E+00	3.53E-03	6.15E-04
4652	500033.9	3732360	3.58E-03	0.00E+00	3.58E-03	6.23E-04
4653	500043.7	3732359	3.62E-03	0.00E+00	3.62E-03	6.31E-04
4654	500053.5	3732358	3.67E-03	0.00E+00	3.67E-03	6.39E-04
4655	500063.4	3732357	3.71E-03	0.00E+00	3.71E-03	6.46E-04
4656	500073.2	3732356	3.75E-03	0.00E+00	3.75E-03	6.54E-04
4657	500083	3732355	3.79E-03	0.00E+00	3.79E-03	6.61E-04
4658	500092.8	3732354	3.83E-03	0.00E+00	3.83E-03	6.68E-04
4659	499189.5	3732961	1.36E-03	0.00E+00	1.36E-03	2.37E-04
4660	499189.4	3732971	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4661	499189.4	3732981	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4662	499189.4	3732991	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4663	499189.4	3733001	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4664	499189.4	3733011	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4665	499189.3	3733020	1.42E-03	0.00E+00	1.42E-03	2.48E-04
4666	499189.3	3733030	1.43E-03	0.00E+00	1.43E-03	2.50E-04
4667	499189.3	3733040	1.44E-03	0.00E+00	1.44E-03	2.52E-04
4668	499189.3	3733050	1.45E-03	0.00E+00	1.45E-03	2.53E-04
4669	499189.3	3733060	1.47E-03	0.00E+00	1.47E-03	2.55E-04
4670	499189.2	3733070	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4671	499189.2	3733080	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4672	499189.2	3733090	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4673	499189.2	3733100	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4674	499189.2	3733110	1.52E-03	0.00E+00	1.52E-03	2.65E-04
4675	499189.1	3733120	1.53E-03	0.00E+00	1.53E-03	2.67E-04
4676	499189.1	3733130	1.54E-03	0.00E+00	1.54E-03	2.69E-04
4677	499189.1	3733140	1.56E-03	0.00E+00	1.56E-03	2.71E-04
4678	499189.1	3733149	1.57E-03	0.00E+00	1.57E-03	2.73E-04
4679	499189	3733159	1.58E-03	0.00E+00	1.58E-03	2.75E-04
4680	499189	3733169	1.59E-03	0.00E+00	1.59E-03	2.77E-04
4681	499189	3733179	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4682	499189	3733189	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4683	499189	3733199	1.63E-03	0.00E+00	1.63E-03	2.83E-04
4684	499188.9	3733209	1.64E-03	0.00E+00	1.64E-03	2.85E-04
4685	499188.9	3733219	1.65E-03	0.00E+00	1.65E-03	2.87E-04
4686	499188.9	3733229	1.66E-03	0.00E+00	1.66E-03	2.90E-04
4687	499188.9	3733239	1.67E-03	0.00E+00	1.67E-03	2.92E-04
4688	499188.9	3733249	1.69E-03	0.00E+00	1.69E-03	2.94E-04
4689	499188.8	3733259	1.70E-03	0.00E+00	1.70E-03	2.96E-04
4690	499188.8	3733269	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4691	499188.8	3733278	1.72E-03	0.00E+00	1.72E-03	3.00E-04
4692	499154.1	3732952	1.27E-03	0.00E+00	1.27E-03	2.21E-04
4693	499158.8	3732944	1.27E-03	0.00E+00	1.27E-03	2.22E-04

4694	499163.4	3732935	1.27E-03	0.00E+00	1.27E-03	2.22E-04
4695	499168.1	3732926	1.28E-03	0.00E+00	1.28E-03	2.22E-04
4696	499172.8	3732918	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4697	499177.4	3732909	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4698	499182.1	3732900	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4699	499186.7	3732891	1.28E-03	0.00E+00	1.28E-03	2.24E-04
4700	499191.4	3732883	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4701	499196	3732874	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4702	499200.7	3732865	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4703	499205.3	3732857	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4704	499210	3732848	1.29E-03	0.00E+00	1.29E-03	2.26E-04
4705	499214.7	3732839	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4706	499219.3	3732831	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4707	499224	3732822	1.30E-03	0.00E+00	1.30E-03	2.27E-04
4708	499307.8	3732666	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4709	499312.5	3732657	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4710	499317.1	3732649	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4711	499321.8	3732640	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4712	499326.4	3732631	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4713	499331.1	3732623	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4714	499335.7	3732614	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4715	499340.4	3732605	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4716	499345.1	3732597	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4717	499349.7	3732588	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4718	499354.4	3732579	1.32E-03	0.00E+00	1.32E-03	2.29E-04
4719	499359	3732571	1.32E-03	0.00E+00	1.32E-03	2.29E-04
4720	499363.7	3732562	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4721	499410.3	3732475	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4722	499414.9	3732466	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4723	499419.6	3732458	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4724	499424.2	3732449	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4725	499428.9	3732440	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4726	499433.5	3732432	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4727	499438.2	3732423	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4728	499442.8	3732414	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4729	499447.5	3732406	1.28E-03	0.00E+00	1.28E-03	2.24E-04
4730	499452.2	3732397	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4731	499456.8	3732388	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4732	499471.3	3732379	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4733	499481.1	3732378	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4734	499490.9	3732377	1.33E-03	0.00E+00	1.33E-03	2.32E-04
4735	499500.7	3732376	1.35E-03	0.00E+00	1.35E-03	2.36E-04
4736	499510.5	3732375	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4737	499520.3	3732374	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4738	499530.1	3732373	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4739	499539.9	3732372	1.44E-03	0.00E+00	1.44E-03	2.50E-04
4740	499549.7	3732371	1.46E-03	0.00E+00	1.46E-03	2.54E-04

4741	499559.5	3732370	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4742	499569.3	3732369	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4743	499579.1	3732368	1.53E-03	0.00E+00	1.53E-03	2.66E-04
4744	499755.4	3732351	2.08E-03	0.00E+00	2.08E-03	3.63E-04
4745	499765.2	3732350	2.12E-03	0.00E+00	2.12E-03	3.69E-04
4746	499775	3732349	2.16E-03	0.00E+00	2.16E-03	3.76E-04
4747	499784.8	3732348	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4748	499794.6	3732347	2.24E-03	0.00E+00	2.24E-03	3.90E-04
4749	499804.4	3732346	2.28E-03	0.00E+00	2.28E-03	3.97E-04
4750	499873	3732340	2.58E-03	0.00E+00	2.58E-03	4.50E-04
4751	499882.8	3732339	2.63E-03	0.00E+00	2.63E-03	4.58E-04
4752	499892.6	3732338	2.67E-03	0.00E+00	2.67E-03	4.66E-04
4753	499902.4	3732337	2.72E-03	0.00E+00	2.72E-03	4.74E-04
4754	499912.2	3732336	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4755	499922	3732335	2.81E-03	0.00E+00	2.81E-03	4.90E-04
4756	499931.8	3732334	2.86E-03	0.00E+00	2.86E-03	4.98E-04
4757	499941.6	3732333	2.91E-03	0.00E+00	2.91E-03	5.06E-04
4758	499951.4	3732332	2.95E-03	0.00E+00	2.95E-03	5.15E-04
4759	499961.2	3732331	3.00E-03	0.00E+00	3.00E-03	5.23E-04
4760	499971	3732330	3.05E-03	0.00E+00	3.05E-03	5.31E-04
4761	499980.8	3732329	3.09E-03	0.00E+00	3.09E-03	5.39E-04
4762	499990.6	3732328	3.14E-03	0.00E+00	3.14E-03	5.47E-04
4763	500000.4	3732327	3.18E-03	0.00E+00	3.18E-03	5.54E-04
4764	500010.2	3732326	3.23E-03	0.00E+00	3.23E-03	5.62E-04
4765	500020	3732325	3.27E-03	0.00E+00	3.27E-03	5.70E-04
4766	500029.8	3732324	3.31E-03	0.00E+00	3.31E-03	5.77E-04
4767	500039.6	3732324	3.36E-03	0.00E+00	3.36E-03	5.85E-04
4768	500049.4	3732323	3.40E-03	0.00E+00	3.40E-03	5.92E-04
4769	500059.2	3732322	3.44E-03	0.00E+00	3.44E-03	5.99E-04
4770	500069	3732321	3.48E-03	0.00E+00	3.48E-03	6.06E-04
4771	500078.8	3732320	3.52E-03	0.00E+00	3.52E-03	6.13E-04
4772	500088.6	3732319	3.55E-03	0.00E+00	3.55E-03	6.19E-04
4773	500098.4	3732318	3.59E-03	0.00E+00	3.59E-03	6.25E-04
4774	500108.2	3732317	3.62E-03	0.00E+00	3.62E-03	6.32E-04
4775	499149.5	3732961	1.27E-03	0.00E+00	1.27E-03	2.21E-04
4776	499149.4	3732971	1.28E-03	0.00E+00	1.28E-03	2.22E-04
4777	499149.4	3732981	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4778	499149.4	3732991	1.29E-03	0.00E+00	1.29E-03	2.26E-04
4779	499149.4	3733001	1.30E-03	0.00E+00	1.30E-03	2.27E-04
4780	499149.4	3733010	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4781	499149.3	3733020	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4782	499149.3	3733030	1.33E-03	0.00E+00	1.33E-03	2.32E-04
4783	499149.3	3733040	1.34E-03	0.00E+00	1.34E-03	2.34E-04
4784	499149.3	3733050	1.35E-03	0.00E+00	1.35E-03	2.35E-04
4785	499149.3	3733060	1.36E-03	0.00E+00	1.36E-03	2.37E-04
4786	499149.2	3733070	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4787	499149.2	3733080	1.38E-03	0.00E+00	1.38E-03	2.40E-04

4788	499149.2	3733090	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4789	499149.2	3733100	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4790	499149.2	3733110	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4791	499149.1	3733120	1.42E-03	0.00E+00	1.42E-03	2.47E-04
4792	499149.1	3733130	1.43E-03	0.00E+00	1.43E-03	2.49E-04
4793	499149.1	3733139	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4794	499149.1	3733149	1.45E-03	0.00E+00	1.45E-03	2.53E-04
4795	499149	3733159	1.46E-03	0.00E+00	1.46E-03	2.55E-04
4796	499149	3733169	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4797	499149	3733179	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4798	499149	3733189	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4799	499149	3733199	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4800	499148.9	3733209	1.51E-03	0.00E+00	1.51E-03	2.64E-04
4801	499148.9	3733219	1.52E-03	0.00E+00	1.52E-03	2.65E-04
4802	499148.9	3733229	1.53E-03	0.00E+00	1.53E-03	2.67E-04
4803	499148.9	3733239	1.54E-03	0.00E+00	1.54E-03	2.69E-04
4804	499148.9	3733249	1.55E-03	0.00E+00	1.55E-03	2.71E-04
4805	499148.8	3733259	1.57E-03	0.00E+00	1.57E-03	2.73E-04
4806	499148.8	3733268	1.58E-03	0.00E+00	1.58E-03	2.75E-04
4807	499148.8	3733278	1.59E-03	0.00E+00	1.59E-03	2.76E-04
4808	499114.1	3732952	1.19E-03	0.00E+00	1.19E-03	2.07E-04
4809	499118.8	3732943	1.19E-03	0.00E+00	1.19E-03	2.07E-04
4810	499123.4	3732935	1.19E-03	0.00E+00	1.19E-03	2.07E-04
4811	499128	3732926	1.19E-03	0.00E+00	1.19E-03	2.08E-04
4812	499132.7	3732918	1.19E-03	0.00E+00	1.19E-03	2.08E-04
4813	499137.3	3732909	1.20E-03	0.00E+00	1.20E-03	2.08E-04
4814	499142	3732900	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4815	499146.6	3732892	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4816	499151.3	3732883	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4817	499155.9	3732874	1.20E-03	0.00E+00	1.20E-03	2.10E-04
4818	499160.6	3732866	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4819	499165.2	3732857	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4820	499169.9	3732848	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4821	499174.5	3732840	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4822	499179.2	3732831	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4823	499183.8	3732822	1.21E-03	0.00E+00	1.21E-03	2.12E-04
4824	499188.4	3732814	1.22E-03	0.00E+00	1.22E-03	2.12E-04
4825	499276.7	3732649	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4826	499281.4	3732641	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4827	499286	3732632	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4828	499290.6	3732623	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4829	499295.3	3732615	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4830	499299.9	3732606	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4831	499304.6	3732597	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4832	499309.2	3732589	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4833	499313.9	3732580	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4834	499318.5	3732571	1.23E-03	0.00E+00	1.23E-03	2.15E-04

4835	499323.2	3732563	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4836	499327.8	3732554	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4837	499332.5	3732545	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4838	499337.1	3732537	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4839	499341.7	3732528	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4840	499346.4	3732519	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4841	499351	3732511	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4842	499355.7	3732502	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4843	499406.8	3732407	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4844	499411.4	3732398	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4845	499425.4	3732372	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4846	499430	3732364	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4847	499434.7	3732355	1.20E-03	0.00E+00	1.20E-03	2.08E-04
4848	499449.1	3732345	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4849	499458.9	3732345	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4850	499468.6	3732344	1.24E-03	0.00E+00	1.24E-03	2.17E-04
4851	499478.4	3732343	1.26E-03	0.00E+00	1.26E-03	2.20E-04
4852	499488.2	3732342	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4853	499498	3732341	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4854	499507.7	3732340	1.32E-03	0.00E+00	1.32E-03	2.29E-04
4855	499517.5	3732339	1.34E-03	0.00E+00	1.34E-03	2.33E-04
4856	499527.3	3732338	1.36E-03	0.00E+00	1.36E-03	2.36E-04
4857	499537.1	3732337	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4858	499546.8	3732336	1.40E-03	0.00E+00	1.40E-03	2.43E-04
4859	499556.6	3732335	1.42E-03	0.00E+00	1.42E-03	2.47E-04
4860	499566.4	3732334	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4861	499576.2	3732333	1.46E-03	0.00E+00	1.46E-03	2.54E-04
4862	499585.9	3732332	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4863	499595.7	3732331	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4864	499605.5	3732330	1.53E-03	0.00E+00	1.53E-03	2.67E-04
4865	499615.3	3732329	1.55E-03	0.00E+00	1.55E-03	2.71E-04
4866	499625	3732328	1.58E-03	0.00E+00	1.58E-03	2.75E-04
4867	499634.8	3732327	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4868	499644.6	3732326	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4869	499654.4	3732326	1.66E-03	0.00E+00	1.66E-03	2.89E-04
4870	499664.1	3732325	1.69E-03	0.00E+00	1.69E-03	2.94E-04
4871	499673.9	3732324	1.72E-03	0.00E+00	1.72E-03	2.99E-04
4872	499683.7	3732323	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4873	499693.5	3732322	1.77E-03	0.00E+00	1.77E-03	3.09E-04
4874	499703.2	3732321	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4875	499713	3732320	1.84E-03	0.00E+00	1.84E-03	3.20E-04
4876	499722.8	3732319	1.87E-03	0.00E+00	1.87E-03	3.25E-04
4877	499732.6	3732318	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4878	499742.3	3732317	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4879	499752.1	3732316	1.97E-03	0.00E+00	1.97E-03	3.43E-04
4880	499761.9	3732315	2.00E-03	0.00E+00	2.00E-03	3.49E-04
4881	499771.7	3732314	2.04E-03	0.00E+00	2.04E-03	3.55E-04

4882	499781.4	3732313	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4883	499791.2	3732312	2.11E-03	0.00E+00	2.11E-03	3.67E-04
4884	499801	3732311	2.15E-03	0.00E+00	2.15E-03	3.74E-04
4885	499810.8	3732310	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4886	499820.5	3732309	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4887	499830.3	3732308	2.26E-03	0.00E+00	2.26E-03	3.94E-04
4888	499840.1	3732307	2.30E-03	0.00E+00	2.30E-03	4.01E-04
4889	499849.9	3732307	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4890	499859.6	3732306	2.38E-03	0.00E+00	2.38E-03	4.14E-04
4891	499869.4	3732305	2.42E-03	0.00E+00	2.42E-03	4.22E-04
4892	499879.2	3732304	2.46E-03	0.00E+00	2.46E-03	4.29E-04
4893	499889	3732303	2.50E-03	0.00E+00	2.50E-03	4.36E-04
4894	499898.7	3732302	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4895	499908.5	3732301	2.58E-03	0.00E+00	2.58E-03	4.50E-04
4896	499918.3	3732300	2.63E-03	0.00E+00	2.63E-03	4.58E-04
4897	499928.1	3732299	2.67E-03	0.00E+00	2.67E-03	4.65E-04
4898	499937.8	3732298	2.71E-03	0.00E+00	2.71E-03	4.72E-04
4899	499947.6	3732297	2.75E-03	0.00E+00	2.75E-03	4.80E-04
4900	499957.4	3732296	2.80E-03	0.00E+00	2.80E-03	4.87E-04
4901	499967.2	3732295	2.84E-03	0.00E+00	2.84E-03	4.94E-04
4902	499976.9	3732294	2.88E-03	0.00E+00	2.88E-03	5.02E-04
4903	499986.7	3732293	2.92E-03	0.00E+00	2.92E-03	5.09E-04
4904	499996.5	3732292	2.96E-03	0.00E+00	2.96E-03	5.16E-04
4905	500006.3	3732291	3.00E-03	0.00E+00	3.00E-03	5.23E-04
4906	500016	3732290	3.04E-03	0.00E+00	3.04E-03	5.30E-04
4907	500025.8	3732289	3.08E-03	0.00E+00	3.08E-03	5.37E-04
4908	500035.6	3732288	3.12E-03	0.00E+00	3.12E-03	5.44E-04
4909	500045.4	3732288	3.16E-03	0.00E+00	3.16E-03	5.50E-04
4910	500055.1	3732287	3.20E-03	0.00E+00	3.20E-03	5.57E-04
4911	500064.9	3732286	3.23E-03	0.00E+00	3.23E-03	5.63E-04
4912	500074.7	3732285	3.27E-03	0.00E+00	3.27E-03	5.70E-04
4913	500084.5	3732284	3.30E-03	0.00E+00	3.30E-03	5.76E-04
4914	500094.2	3732283	3.34E-03	0.00E+00	3.34E-03	5.81E-04
4915	500104	3732282	3.37E-03	0.00E+00	3.37E-03	5.87E-04
4916	500113.8	3732281	3.40E-03	0.00E+00	3.40E-03	5.93E-04
4917	500123.6	3732280	3.43E-03	0.00E+00	3.43E-03	5.98E-04
4918	499109.5	3732961	1.18E-03	0.00E+00	1.18E-03	2.06E-04
4919	499109.4	3732971	1.19E-03	0.00E+00	1.19E-03	2.08E-04
4920	499109.4	3732981	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4921	499109.4	3732991	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4922	499109.4	3733000	1.22E-03	0.00E+00	1.22E-03	2.12E-04
4923	499109.4	3733010	1.23E-03	0.00E+00	1.23E-03	2.13E-04
4924	499109.3	3733020	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4925	499109.3	3733030	1.24E-03	0.00E+00	1.24E-03	2.16E-04
4926	499109.3	3733040	1.25E-03	0.00E+00	1.25E-03	2.18E-04
4927	499109.3	3733050	1.26E-03	0.00E+00	1.26E-03	2.19E-04
4928	499109.3	3733060	1.27E-03	0.00E+00	1.27E-03	2.21E-04

4929	499109.2	3733070	1.28E-03	0.00E+00	1.28E-03	2.22E-04
4930	499109.2	3733080	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4931	499109.2	3733090	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4932	499109.2	3733100	1.30E-03	0.00E+00	1.30E-03	2.27E-04
4933	499109.2	3733110	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4934	499109.1	3733120	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4935	499109.1	3733129	1.33E-03	0.00E+00	1.33E-03	2.32E-04
4936	499109.1	3733139	1.34E-03	0.00E+00	1.34E-03	2.33E-04
4937	499109.1	3733149	1.35E-03	0.00E+00	1.35E-03	2.35E-04
4938	499109	3733159	1.36E-03	0.00E+00	1.36E-03	2.36E-04
4939	499109	3733169	1.37E-03	0.00E+00	1.37E-03	2.38E-04
4940	499109	3733179	1.37E-03	0.00E+00	1.37E-03	2.40E-04
4941	499109	3733189	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4942	499109	3733199	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4943	499108.9	3733209	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4944	499108.9	3733219	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4945	499108.9	3733229	1.42E-03	0.00E+00	1.42E-03	2.48E-04
4946	499108.9	3733239	1.43E-03	0.00E+00	1.43E-03	2.49E-04
4947	499108.9	3733249	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4948	499108.8	3733258	1.45E-03	0.00E+00	1.45E-03	2.52E-04
4949	499108.8	3733268	1.46E-03	0.00E+00	1.46E-03	2.54E-04
4950	499108.8	3733278	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4951	499074.1	3732952	1.11E-03	0.00E+00	1.11E-03	1.94E-04
4952	499078.7	3732943	1.11E-03	0.00E+00	1.11E-03	1.94E-04
4953	499083.4	3732935	1.12E-03	0.00E+00	1.12E-03	1.94E-04
4954	499088	3732926	1.12E-03	0.00E+00	1.12E-03	1.95E-04
4955	499092.6	3732918	1.12E-03	0.00E+00	1.12E-03	1.95E-04
4956	499097.3	3732909	1.12E-03	0.00E+00	1.12E-03	1.95E-04
4957	499101.9	3732900	1.12E-03	0.00E+00	1.12E-03	1.96E-04
4958	499106.6	3732892	1.12E-03	0.00E+00	1.12E-03	1.96E-04
4959	499111.2	3732883	1.13E-03	0.00E+00	1.13E-03	1.96E-04
4960	499115.8	3732874	1.13E-03	0.00E+00	1.13E-03	1.96E-04
4961	499120.5	3732866	1.13E-03	0.00E+00	1.13E-03	1.97E-04
4962	499125.1	3732857	1.13E-03	0.00E+00	1.13E-03	1.97E-04
4963	499129.7	3732848	1.13E-03	0.00E+00	1.13E-03	1.97E-04
4964	499134.4	3732840	1.13E-03	0.00E+00	1.13E-03	1.98E-04
4965	499139	3732831	1.14E-03	0.00E+00	1.14E-03	1.98E-04
4966	499143.6	3732823	1.14E-03	0.00E+00	1.14E-03	1.98E-04
4967	499148.3	3732814	1.14E-03	0.00E+00	1.14E-03	1.98E-04
4968	499152.9	3732805	1.14E-03	0.00E+00	1.14E-03	1.99E-04
4969	499157.5	3732797	1.14E-03	0.00E+00	1.14E-03	1.99E-04
4970	499273.4	3732581	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4971	499278.1	3732572	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4972	499282.7	3732564	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4973	499287.3	3732555	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4974	499292	3732546	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4975	499296.6	3732538	1.16E-03	0.00E+00	1.16E-03	2.02E-04

4976	499301.2	3732529	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4977	499305.9	3732520	1.16E-03	0.00E+00	1.16E-03	2.01E-04
4978	499310.5	3732512	1.16E-03	0.00E+00	1.16E-03	2.01E-04
4979	499315.2	3732503	1.15E-03	0.00E+00	1.15E-03	2.01E-04
4980	499426.9	3732312	1.13E-03	0.00E+00	1.13E-03	1.98E-04
4981	499436.6	3732311	1.15E-03	0.00E+00	1.15E-03	2.00E-04
4982	499446.4	3732310	1.16E-03	0.00E+00	1.16E-03	2.03E-04
4983	499456.2	3732309	1.18E-03	0.00E+00	1.18E-03	2.06E-04
4984	499465.9	3732308	1.20E-03	0.00E+00	1.20E-03	2.08E-04
4985	499475.7	3732307	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4986	499485.4	3732306	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4987	499495.2	3732306	1.25E-03	0.00E+00	1.25E-03	2.17E-04
4988	499504.9	3732305	1.26E-03	0.00E+00	1.26E-03	2.20E-04
4989	499514.7	3732304	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4990	499524.4	3732303	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4991	499534.2	3732302	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4992	499543.9	3732301	1.34E-03	0.00E+00	1.34E-03	2.33E-04
4993	499553.7	3732300	1.36E-03	0.00E+00	1.36E-03	2.36E-04
4994	499563.4	3732299	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4995	499573.2	3732298	1.40E-03	0.00E+00	1.40E-03	2.43E-04
4996	499583	3732297	1.42E-03	0.00E+00	1.42E-03	2.47E-04
4997	499592.7	3732296	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4998	499602.5	3732295	1.46E-03	0.00E+00	1.46E-03	2.55E-04
4999	499612.2	3732294	1.48E-03	0.00E+00	1.48E-03	2.59E-04
5000	499622	3732293	1.51E-03	0.00E+00	1.51E-03	2.63E-04
5001	499631.7	3732292	1.53E-03	0.00E+00	1.53E-03	2.67E-04
5002	499641.5	3732291	1.56E-03	0.00E+00	1.56E-03	2.71E-04
5003	499651.2	3732290	1.58E-03	0.00E+00	1.58E-03	2.75E-04
5004	499661	3732289	1.61E-03	0.00E+00	1.61E-03	2.80E-04
5005	499670.7	3732288	1.63E-03	0.00E+00	1.63E-03	2.84E-04
5006	499680.5	3732288	1.66E-03	0.00E+00	1.66E-03	2.89E-04
5007	499690.2	3732287	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5008	499700	3732286	1.71E-03	0.00E+00	1.71E-03	2.99E-04
5009	499709.8	3732285	1.74E-03	0.00E+00	1.74E-03	3.04E-04
5010	499719.5	3732284	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5011	499729.3	3732283	1.80E-03	0.00E+00	1.80E-03	3.14E-04
5012	499739	3732282	1.83E-03	0.00E+00	1.83E-03	3.19E-04
5013	499748.8	3732281	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5014	499758.5	3732280	1.89E-03	0.00E+00	1.89E-03	3.30E-04
5015	499768.3	3732279	1.92E-03	0.00E+00	1.92E-03	3.35E-04
5016	499778	3732278	1.96E-03	0.00E+00	1.96E-03	3.41E-04
5017	499787.8	3732277	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5018	499797.5	3732276	2.02E-03	0.00E+00	2.02E-03	3.53E-04
5019	499807.3	3732275	2.06E-03	0.00E+00	2.06E-03	3.59E-04
5020	499817.1	3732274	2.09E-03	0.00E+00	2.09E-03	3.65E-04
5021	499826.8	3732273	2.13E-03	0.00E+00	2.13E-03	3.71E-04
5022	499836.6	3732272	2.16E-03	0.00E+00	2.16E-03	3.77E-04

5023	499846.3	3732271	2.20E-03	0.00E+00	2.20E-03	3.83E-04
5024	499856.1	3732270	2.24E-03	0.00E+00	2.24E-03	3.90E-04
5025	499865.8	3732270	2.27E-03	0.00E+00	2.27E-03	3.96E-04
5026	499875.6	3732269	2.31E-03	0.00E+00	2.31E-03	4.02E-04
5027	499885.3	3732268	2.35E-03	0.00E+00	2.35E-03	4.09E-04
5028	499895.1	3732267	2.38E-03	0.00E+00	2.38E-03	4.15E-04
5029	499904.8	3732266	2.42E-03	0.00E+00	2.42E-03	4.22E-04
5030	499914.6	3732265	2.46E-03	0.00E+00	2.46E-03	4.29E-04
5031	499924.3	3732264	2.50E-03	0.00E+00	2.50E-03	4.35E-04
5032	499934.1	3732263	2.54E-03	0.00E+00	2.54E-03	4.42E-04
5033	499943.9	3732262	2.57E-03	0.00E+00	2.57E-03	4.49E-04
5034	499953.6	3732261	2.61E-03	0.00E+00	2.61E-03	4.55E-04
5035	499963.4	3732260	2.65E-03	0.00E+00	2.65E-03	4.62E-04
5036	499973.1	3732259	2.69E-03	0.00E+00	2.69E-03	4.68E-04
5037	499982.9	3732258	2.73E-03	0.00E+00	2.73E-03	4.75E-04
5038	499992.6	3732257	2.76E-03	0.00E+00	2.76E-03	4.82E-04
5039	500002.4	3732256	2.80E-03	0.00E+00	2.80E-03	4.88E-04
5040	500012.1	3732255	2.84E-03	0.00E+00	2.84E-03	4.94E-04
5041	500021.9	3732254	2.87E-03	0.00E+00	2.87E-03	5.01E-04
5042	500031.6	3732253	2.91E-03	0.00E+00	2.91E-03	5.07E-04
5043	500041.4	3732252	2.94E-03	0.00E+00	2.94E-03	5.13E-04
5044	500051.2	3732252	2.98E-03	0.00E+00	2.98E-03	5.19E-04
5045	500060.9	3732251	3.01E-03	0.00E+00	3.01E-03	5.25E-04
5046	500070.7	3732250	3.05E-03	0.00E+00	3.05E-03	5.31E-04
5047	500080.4	3732249	3.08E-03	0.00E+00	3.08E-03	5.37E-04
5048	500090.2	3732248	3.11E-03	0.00E+00	3.11E-03	5.42E-04
5049	500099.9	3732247	3.14E-03	0.00E+00	3.14E-03	5.47E-04
5050	500109.7	3732246	3.17E-03	0.00E+00	3.17E-03	5.53E-04
5051	500119.4	3732245	3.20E-03	0.00E+00	3.20E-03	5.58E-04
5052	500129.2	3732244	3.23E-03	0.00E+00	3.23E-03	5.63E-04
5053	500138.9	3732243	3.26E-03	0.00E+00	3.26E-03	5.67E-04
5054	499068.8	3733268	1.35E-03	0.00E+00	1.35E-03	2.36E-04
5055	499068.8	3733278	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5056	499034.2	3732952	1.04E-03	0.00E+00	1.04E-03	1.82E-04
5057	499038.8	3732943	1.05E-03	0.00E+00	1.05E-03	1.82E-04
5058	499043.5	3732934	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5059	499048.2	3732926	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5060	499052.9	3732917	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5061	499057.6	3732908	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5062	499062.3	3732900	1.05E-03	0.00E+00	1.05E-03	1.84E-04
5063	499067	3732891	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5064	499071.6	3732882	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5065	499076.3	3732873	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5066	499081	3732865	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5067	499085.7	3732856	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5068	499090.4	3732847	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5069	499095.1	3732838	1.06E-03	0.00E+00	1.06E-03	1.86E-04

5070	499099.8	3732830	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5071	499104.4	3732821	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5072	499109.1	3732812	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5073	499113.8	3732804	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5074	499118.5	3732795	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5075	499123.2	3732786	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5076	499127.9	3732777	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5077	499273.1	3732507	1.09E-03	0.00E+00	1.09E-03	1.90E-04
5078	499277.8	3732498	1.09E-03	0.00E+00	1.09E-03	1.90E-04
5079	499424.5	3732277	1.09E-03	0.00E+00	1.09E-03	1.91E-04
5080	499434.4	3732276	1.11E-03	0.00E+00	1.11E-03	1.93E-04
5081	499444.3	3732275	1.12E-03	0.00E+00	1.12E-03	1.96E-04
5082	499454.1	3732274	1.14E-03	0.00E+00	1.14E-03	1.98E-04
5083	499464	3732273	1.15E-03	0.00E+00	1.15E-03	2.01E-04
5084	499473.8	3732272	1.17E-03	0.00E+00	1.17E-03	2.03E-04
5085	499483.7	3732271	1.18E-03	0.00E+00	1.18E-03	2.06E-04
5086	499493.6	3732270	1.20E-03	0.00E+00	1.20E-03	2.09E-04
5087	499503.4	3732269	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5088	499513.3	3732268	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5089	499523.1	3732267	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5090	499533	3732266	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5091	499542.9	3732265	1.29E-03	0.00E+00	1.29E-03	2.24E-04
5092	499552.7	3732265	1.30E-03	0.00E+00	1.30E-03	2.27E-04
5093	499562.6	3732264	1.32E-03	0.00E+00	1.32E-03	2.31E-04
5094	499572.4	3732263	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5095	499582.3	3732262	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5096	499592.2	3732261	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5097	499602	3732260	1.40E-03	0.00E+00	1.40E-03	2.45E-04
5098	499611.9	3732259	1.43E-03	0.00E+00	1.43E-03	2.48E-04
5099	499621.7	3732258	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5100	499631.6	3732257	1.47E-03	0.00E+00	1.47E-03	2.56E-04
5101	499641.5	3732256	1.49E-03	0.00E+00	1.49E-03	2.60E-04
5102	499651.3	3732255	1.52E-03	0.00E+00	1.52E-03	2.64E-04
5103	499661.2	3732254	1.54E-03	0.00E+00	1.54E-03	2.68E-04
5104	499671	3732253	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5105	499680.9	3732252	1.59E-03	0.00E+00	1.59E-03	2.77E-04
5106	499690.8	3732251	1.61E-03	0.00E+00	1.61E-03	2.81E-04
5107	499700.6	3732250	1.64E-03	0.00E+00	1.64E-03	2.86E-04
5108	499710.5	3732249	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5109	499720.3	3732248	1.69E-03	0.00E+00	1.69E-03	2.95E-04
5110	499730.2	3732247	1.72E-03	0.00E+00	1.72E-03	3.00E-04
5111	499740.1	3732246	1.75E-03	0.00E+00	1.75E-03	3.05E-04
5112	499749.9	3732245	1.78E-03	0.00E+00	1.78E-03	3.10E-04
5113	499759.8	3732244	1.81E-03	0.00E+00	1.81E-03	3.15E-04
5114	499769.6	3732243	1.84E-03	0.00E+00	1.84E-03	3.20E-04
5115	499779.5	3732242	1.87E-03	0.00E+00	1.87E-03	3.25E-04
5116	499789.4	3732242	1.90E-03	0.00E+00	1.90E-03	3.31E-04

5117	499799.2	3732241	1.93E-03	0.00E+00	1.93E-03	3.36E-04
5118	499809.1	3732240	1.96E-03	0.00E+00	1.96E-03	3.42E-04
5119	499818.9	3732239	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5120	499828.8	3732238	2.03E-03	0.00E+00	2.03E-03	3.53E-04
5121	499838.7	3732237	2.06E-03	0.00E+00	2.06E-03	3.59E-04
5122	499848.5	3732236	2.09E-03	0.00E+00	2.09E-03	3.65E-04
5123	499858.4	3732235	2.13E-03	0.00E+00	2.13E-03	3.70E-04
5124	499868.2	3732234	2.16E-03	0.00E+00	2.16E-03	3.76E-04
5125	499878.1	3732233	2.19E-03	0.00E+00	2.19E-03	3.82E-04
5126	499888	3732232	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5127	499897.8	3732231	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5128	499907.7	3732230	2.30E-03	0.00E+00	2.30E-03	4.00E-04
5129	499917.5	3732229	2.33E-03	0.00E+00	2.33E-03	4.07E-04
5130	499927.4	3732228	2.37E-03	0.00E+00	2.37E-03	4.13E-04
5131	499937.3	3732227	2.40E-03	0.00E+00	2.40E-03	4.19E-04
5132	499947.1	3732226	2.44E-03	0.00E+00	2.44E-03	4.25E-04
5133	499957	3732225	2.47E-03	0.00E+00	2.47E-03	4.31E-04
5134	499966.8	3732224	2.51E-03	0.00E+00	2.51E-03	4.37E-04
5135	499976.7	3732223	2.54E-03	0.00E+00	2.54E-03	4.43E-04
5136	499986.6	3732222	2.58E-03	0.00E+00	2.58E-03	4.49E-04
5137	499996.4	3732221	2.61E-03	0.00E+00	2.61E-03	4.55E-04
5138	500006.3	3732220	2.65E-03	0.00E+00	2.65E-03	4.61E-04
5139	500016.1	3732219	2.68E-03	0.00E+00	2.68E-03	4.67E-04
5140	500026	3732219	2.71E-03	0.00E+00	2.71E-03	4.73E-04
5141	500035.9	3732218	2.75E-03	0.00E+00	2.75E-03	4.79E-04
5142	500045.7	3732217	2.78E-03	0.00E+00	2.78E-03	4.84E-04
5143	500055.6	3732216	2.81E-03	0.00E+00	2.81E-03	4.90E-04
5144	500065.4	3732215	2.84E-03	0.00E+00	2.84E-03	4.96E-04
5145	500075.3	3732214	2.87E-03	0.00E+00	2.87E-03	5.01E-04
5146	500085.2	3732213	2.90E-03	0.00E+00	2.90E-03	5.06E-04
5147	500095	3732212	2.93E-03	0.00E+00	2.93E-03	5.11E-04
5148	500104.9	3732211	2.96E-03	0.00E+00	2.96E-03	5.16E-04
5149	500114.7	3732210	2.99E-03	0.00E+00	2.99E-03	5.21E-04
5150	500124.6	3732209	3.02E-03	0.00E+00	3.02E-03	5.26E-04
5151	500134.5	3732208	3.04E-03	0.00E+00	3.04E-03	5.30E-04
5152	500144.3	3732207	3.07E-03	0.00E+00	3.07E-03	5.35E-04
5153	500154.2	3732206	3.09E-03	0.00E+00	3.09E-03	5.39E-04
5154	499028.8	3733268	1.26E-03	0.00E+00	1.26E-03	2.20E-04
5155	499028.8	3733278	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5156	498994.1	3732952	9.84E-04	0.00E+00	9.84E-04	1.71E-04
5157	498998.8	3732943	9.86E-04	0.00E+00	9.86E-04	1.72E-04
5158	499003.5	3732934	9.87E-04	0.00E+00	9.87E-04	1.72E-04
5159	499008.2	3732926	9.88E-04	0.00E+00	9.88E-04	1.72E-04
5160	499012.8	3732917	9.90E-04	0.00E+00	9.90E-04	1.72E-04
5161	499017.5	3732908	9.91E-04	0.00E+00	9.91E-04	1.73E-04
5162	499022.2	3732900	9.93E-04	0.00E+00	9.93E-04	1.73E-04
5163	499026.9	3732891	9.94E-04	0.00E+00	9.94E-04	1.73E-04

5164	499031.5	3732882	9.96E-04	0.00E+00	9.96E-04	1.73E-04
5165	499036.2	3732873	9.97E-04	0.00E+00	9.97E-04	1.74E-04
5166	499040.9	3732865	9.98E-04	0.00E+00	9.98E-04	1.74E-04
5167	499045.6	3732856	1.00E-03	0.00E+00	1.00E-03	1.74E-04
5168	499050.2	3732847	1.00E-03	0.00E+00	1.00E-03	1.74E-04
5169	499054.9	3732839	1.00E-03	0.00E+00	1.00E-03	1.75E-04
5170	499059.6	3732830	1.00E-03	0.00E+00	1.00E-03	1.75E-04
5171	499064.3	3732821	1.01E-03	0.00E+00	1.01E-03	1.75E-04
5172	499068.9	3732813	1.01E-03	0.00E+00	1.01E-03	1.75E-04
5173	499073.6	3732804	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5174	499078.3	3732795	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5175	499083	3732786	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5176	499087.6	3732778	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5177	499092.3	3732769	1.01E-03	0.00E+00	1.01E-03	1.77E-04
5178	499422	3732242	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5179	499431.8	3732241	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5180	499441.6	3732240	1.08E-03	0.00E+00	1.08E-03	1.89E-04
5181	499451.5	3732239	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5182	499461.3	3732238	1.11E-03	0.00E+00	1.11E-03	1.93E-04
5183	499471.2	3732237	1.12E-03	0.00E+00	1.12E-03	1.96E-04
5184	499481	3732236	1.14E-03	0.00E+00	1.14E-03	1.98E-04
5185	499490.8	3732235	1.15E-03	0.00E+00	1.15E-03	2.01E-04
5186	499500.7	3732234	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5187	499510.5	3732233	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5188	499520.3	3732232	1.20E-03	0.00E+00	1.20E-03	2.09E-04
5189	499530.2	3732231	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5190	499540	3732230	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5191	499549.8	3732229	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5192	499559.7	3732228	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5193	499569.5	3732227	1.29E-03	0.00E+00	1.29E-03	2.24E-04
5194	499579.4	3732226	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5195	499589.2	3732226	1.32E-03	0.00E+00	1.32E-03	2.31E-04
5196	499599	3732225	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5197	499608.9	3732224	1.36E-03	0.00E+00	1.36E-03	2.38E-04
5198	499618.7	3732223	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5199	499628.5	3732222	1.40E-03	0.00E+00	1.40E-03	2.45E-04
5200	499638.4	3732221	1.43E-03	0.00E+00	1.43E-03	2.48E-04
5201	499648.2	3732220	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5202	499658	3732219	1.47E-03	0.00E+00	1.47E-03	2.56E-04
5203	499667.9	3732218	1.49E-03	0.00E+00	1.49E-03	2.60E-04
5204	499677.7	3732217	1.52E-03	0.00E+00	1.52E-03	2.64E-04
5205	499687.6	3732216	1.54E-03	0.00E+00	1.54E-03	2.68E-04
5206	499697.4	3732215	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5207	499707.2	3732214	1.59E-03	0.00E+00	1.59E-03	2.77E-04
5208	499717.1	3732213	1.61E-03	0.00E+00	1.61E-03	2.81E-04
5209	499726.9	3732212	1.64E-03	0.00E+00	1.64E-03	2.85E-04
5210	499736.7	3732211	1.66E-03	0.00E+00	1.66E-03	2.90E-04

5211	499746.6	3732210	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5212	499756.4	3732209	1.72E-03	0.00E+00	1.72E-03	2.99E-04
5213	499766.3	3732208	1.74E-03	0.00E+00	1.74E-03	3.04E-04
5214	499776.1	3732207	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5215	499785.9	3732206	1.80E-03	0.00E+00	1.80E-03	3.14E-04
5216	499795.8	3732205	1.83E-03	0.00E+00	1.83E-03	3.18E-04
5217	499805.6	3732204	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5218	499815.4	3732204	1.89E-03	0.00E+00	1.89E-03	3.29E-04
5219	499825.3	3732203	1.92E-03	0.00E+00	1.92E-03	3.34E-04
5220	499835.1	3732202	1.95E-03	0.00E+00	1.95E-03	3.39E-04
5221	499844.9	3732201	1.98E-03	0.00E+00	1.98E-03	3.44E-04
5222	499854.8	3732200	2.01E-03	0.00E+00	2.01E-03	3.50E-04
5223	499864.6	3732199	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5224	499874.5	3732198	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5225	499884.3	3732197	2.10E-03	0.00E+00	2.10E-03	3.66E-04
5226	499894.1	3732196	2.13E-03	0.00E+00	2.13E-03	3.71E-04
5227	499904	3732195	2.16E-03	0.00E+00	2.16E-03	3.77E-04
5228	499913.8	3732194	2.20E-03	0.00E+00	2.20E-03	3.83E-04
5229	499923.6	3732193	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5230	499933.5	3732192	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5231	499943.3	3732191	2.29E-03	0.00E+00	2.29E-03	3.99E-04
5232	499953.1	3732190	2.32E-03	0.00E+00	2.32E-03	4.05E-04
5233	499963	3732189	2.36E-03	0.00E+00	2.36E-03	4.11E-04
5234	499972.8	3732188	2.39E-03	0.00E+00	2.39E-03	4.16E-04
5235	499982.7	3732187	2.42E-03	0.00E+00	2.42E-03	4.22E-04
5236	499992.5	3732186	2.45E-03	0.00E+00	2.45E-03	4.27E-04
5237	500002.3	3732185	2.48E-03	0.00E+00	2.48E-03	4.33E-04
5238	500012.2	3732184	2.51E-03	0.00E+00	2.51E-03	4.38E-04
5239	500022	3732183	2.54E-03	0.00E+00	2.54E-03	4.43E-04
5240	500031.8	3732182	2.58E-03	0.00E+00	2.58E-03	4.49E-04
5241	500041.7	3732182	2.61E-03	0.00E+00	2.61E-03	4.54E-04
5242	500051.5	3732181	2.64E-03	0.00E+00	2.64E-03	4.59E-04
5243	500061.3	3732180	2.66E-03	0.00E+00	2.66E-03	4.64E-04
5244	500071.2	3732179	2.69E-03	0.00E+00	2.69E-03	4.69E-04
5245	500081	3732178	2.72E-03	0.00E+00	2.72E-03	4.74E-04
5246	498988.8	3733268	1.18E-03	0.00E+00	1.18E-03	2.06E-04
5247	498988.8	3733278	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5248	498954.1	3732952	9.29E-04	0.00E+00	9.29E-04	1.62E-04
5249	498958.8	3732943	9.30E-04	0.00E+00	9.30E-04	1.62E-04
5250	498963.5	3732934	9.32E-04	0.00E+00	9.32E-04	1.62E-04
5251	498968.1	3732926	9.33E-04	0.00E+00	9.33E-04	1.63E-04
5252	498972.8	3732917	9.34E-04	0.00E+00	9.34E-04	1.63E-04
5253	498977.5	3732908	9.36E-04	0.00E+00	9.36E-04	1.63E-04
5254	498982.1	3732900	9.37E-04	0.00E+00	9.37E-04	1.63E-04
5255	498986.8	3732891	9.38E-04	0.00E+00	9.38E-04	1.63E-04
5256	498991.4	3732882	9.40E-04	0.00E+00	9.40E-04	1.64E-04
5257	498996.1	3732874	9.41E-04	0.00E+00	9.41E-04	1.64E-04

5258	499000.8	3732865	9.42E-04	0.00E+00	9.42E-04	1.64E-04
5259	499005.4	3732856	9.43E-04	0.00E+00	9.43E-04	1.64E-04
5260	499010.1	3732848	9.45E-04	0.00E+00	9.45E-04	1.65E-04
5261	499014.8	3732839	9.46E-04	0.00E+00	9.46E-04	1.65E-04
5262	499019.4	3732830	9.47E-04	0.00E+00	9.47E-04	1.65E-04
5263	499024.1	3732821	9.48E-04	0.00E+00	9.48E-04	1.65E-04
5264	499028.8	3732813	9.50E-04	0.00E+00	9.50E-04	1.65E-04
5265	499033.4	3732804	9.51E-04	0.00E+00	9.51E-04	1.66E-04
5266	499038.1	3732795	9.52E-04	0.00E+00	9.52E-04	1.66E-04
5267	499042.8	3732787	9.53E-04	0.00E+00	9.53E-04	1.66E-04
5268	499047.4	3732778	9.54E-04	0.00E+00	9.54E-04	1.66E-04
5269	499052.1	3732769	9.56E-04	0.00E+00	9.56E-04	1.67E-04
5270	499056.8	3732761	9.57E-04	0.00E+00	9.57E-04	1.67E-04
5271	499061.4	3732752	9.58E-04	0.00E+00	9.58E-04	1.67E-04
5272	499210.7	3732474	9.72E-04	0.00E+00	9.72E-04	1.69E-04
5273	499215.3	3732465	9.72E-04	0.00E+00	9.72E-04	1.69E-04
5274	499220	3732457	9.71E-04	0.00E+00	9.71E-04	1.69E-04
5275	499224.7	3732448	9.71E-04	0.00E+00	9.71E-04	1.69E-04
5276	499229.3	3732439	9.70E-04	0.00E+00	9.70E-04	1.69E-04
5277	499234	3732430	9.69E-04	0.00E+00	9.69E-04	1.69E-04
5278	499409.5	3732208	1.01E-03	0.00E+00	1.01E-03	1.75E-04
5279	499419.3	3732207	1.02E-03	0.00E+00	1.02E-03	1.77E-04
5280	499429.1	3732206	1.03E-03	0.00E+00	1.03E-03	1.80E-04
5281	499439	3732205	1.04E-03	0.00E+00	1.04E-03	1.82E-04
5282	499448.8	3732204	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5283	499458.6	3732203	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5284	499468.4	3732202	1.08E-03	0.00E+00	1.08E-03	1.89E-04
5285	499478.2	3732201	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5286	499488	3732200	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5287	499497.8	3732199	1.13E-03	0.00E+00	1.13E-03	1.96E-04
5288	499507.7	3732198	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5289	499517.5	3732197	1.16E-03	0.00E+00	1.16E-03	2.01E-04
5290	499527.3	3732196	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5291	499537.1	3732195	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5292	499546.9	3732194	1.20E-03	0.00E+00	1.20E-03	2.10E-04
5293	499556.7	3732193	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5294	499566.6	3732192	1.24E-03	0.00E+00	1.24E-03	2.15E-04
5295	499576.4	3732191	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5296	499586.2	3732190	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5297	499596	3732189	1.29E-03	0.00E+00	1.29E-03	2.25E-04
5298	499605.8	3732188	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5299	499615.6	3732187	1.33E-03	0.00E+00	1.33E-03	2.31E-04
5300	499625.4	3732187	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5301	499635.3	3732186	1.36E-03	0.00E+00	1.36E-03	2.38E-04
5302	499645.1	3732185	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5303	499654.9	3732184	1.41E-03	0.00E+00	1.41E-03	2.45E-04
5304	499664.7	3732183	1.43E-03	0.00E+00	1.43E-03	2.48E-04

5305	499674.5	3732182	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5306	499684.3	3732181	1.47E-03	0.00E+00	1.47E-03	2.56E-04
5307	499694.2	3732180	1.49E-03	0.00E+00	1.49E-03	2.60E-04
5308	499704	3732179	1.51E-03	0.00E+00	1.51E-03	2.64E-04
5309	500165.3	3732134	2.76E-03	0.00E+00	2.76E-03	4.82E-04
5310	500175.1	3732133	2.78E-03	0.00E+00	2.78E-03	4.85E-04
5311	500184.9	3732132	2.80E-03	0.00E+00	2.80E-03	4.88E-04
5312	498948.8	3733268	1.11E-03	0.00E+00	1.11E-03	1.93E-04
5313	498948.8	3733278	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5314	498918.4	3732952	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5315	498923.1	3732943	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5316	498927.8	3732934	8.87E-04	0.00E+00	8.87E-04	1.54E-04
5317	498932.5	3732925	8.88E-04	0.00E+00	8.88E-04	1.55E-04
5318	498937.2	3732917	8.89E-04	0.00E+00	8.89E-04	1.55E-04
5319	498941.9	3732908	8.90E-04	0.00E+00	8.90E-04	1.55E-04
5320	498946.6	3732899	8.91E-04	0.00E+00	8.91E-04	1.55E-04
5321	498951.2	3732891	8.93E-04	0.00E+00	8.93E-04	1.56E-04
5322	498955.9	3732882	8.94E-04	0.00E+00	8.94E-04	1.56E-04
5323	498960.6	3732873	8.95E-04	0.00E+00	8.95E-04	1.56E-04
5324	498965.3	3732864	8.96E-04	0.00E+00	8.96E-04	1.56E-04
5325	498970	3732856	8.98E-04	0.00E+00	8.98E-04	1.56E-04
5326	498974.7	3732847	8.99E-04	0.00E+00	8.99E-04	1.57E-04
5327	498979.4	3732838	9.00E-04	0.00E+00	9.00E-04	1.57E-04
5328	498984	3732829	9.01E-04	0.00E+00	9.01E-04	1.57E-04
5329	498988.7	3732821	9.02E-04	0.00E+00	9.02E-04	1.57E-04
5330	498993.4	3732812	9.03E-04	0.00E+00	9.03E-04	1.57E-04
5331	498998.1	3732803	9.04E-04	0.00E+00	9.04E-04	1.58E-04
5332	499002.8	3732795	9.06E-04	0.00E+00	9.06E-04	1.58E-04
5333	499007.5	3732786	9.07E-04	0.00E+00	9.07E-04	1.58E-04
5334	499012.2	3732777	9.08E-04	0.00E+00	9.08E-04	1.58E-04
5335	499016.8	3732768	9.09E-04	0.00E+00	9.09E-04	1.58E-04
5336	499021.5	3732760	9.10E-04	0.00E+00	9.10E-04	1.59E-04
5337	499026.2	3732751	9.11E-04	0.00E+00	9.11E-04	1.59E-04
5338	499030.9	3732742	9.12E-04	0.00E+00	9.12E-04	1.59E-04
5339	499119.9	3732576	9.27E-04	0.00E+00	9.27E-04	1.61E-04
5340	499124.6	3732568	9.27E-04	0.00E+00	9.27E-04	1.62E-04
5341	499129.3	3732559	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5342	499134	3732550	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5343	499138.7	3732541	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5344	499171.5	3732480	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5345	499176.2	3732472	9.27E-04	0.00E+00	9.27E-04	1.62E-04
5346	499180.9	3732463	9.27E-04	0.00E+00	9.27E-04	1.62E-04
5347	499185.6	3732454	9.27E-04	0.00E+00	9.27E-04	1.61E-04
5348	499190.2	3732445	9.26E-04	0.00E+00	9.26E-04	1.61E-04
5349	499194.9	3732437	9.26E-04	0.00E+00	9.26E-04	1.61E-04
5350	499199.6	3732428	9.25E-04	0.00E+00	9.25E-04	1.61E-04
5351	499823.9	3732136	1.75E-03	0.00E+00	1.75E-03	3.04E-04

5352	499833.7	3732135	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5353	499843.6	3732134	1.80E-03	0.00E+00	1.80E-03	3.13E-04
5354	499853.4	3732133	1.82E-03	0.00E+00	1.82E-03	3.18E-04
5355	499863.3	3732132	1.85E-03	0.00E+00	1.85E-03	3.22E-04
5356	499873.2	3732131	1.88E-03	0.00E+00	1.88E-03	3.27E-04
5357	499883	3732130	1.90E-03	0.00E+00	1.90E-03	3.32E-04
5358	499892.9	3732129	1.93E-03	0.00E+00	1.93E-03	3.36E-04
5359	499902.7	3732128	1.96E-03	0.00E+00	1.96E-03	3.41E-04
5360	499912.6	3732127	1.98E-03	0.00E+00	1.98E-03	3.46E-04
5361	499922.5	3732126	2.01E-03	0.00E+00	2.01E-03	3.51E-04
5362	499932.3	3732125	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5363	499942.2	3732124	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5364	499952	3732123	2.09E-03	0.00E+00	2.09E-03	3.65E-04
5365	499961.9	3732122	2.12E-03	0.00E+00	2.12E-03	3.70E-04
5366	499971.8	3732121	2.15E-03	0.00E+00	2.15E-03	3.74E-04
5367	499981.6	3732120	2.18E-03	0.00E+00	2.18E-03	3.79E-04
5368	499991.5	3732119	2.20E-03	0.00E+00	2.20E-03	3.84E-04
5369	500001.4	3732118	2.23E-03	0.00E+00	2.23E-03	3.89E-04
5370	500011.2	3732117	2.26E-03	0.00E+00	2.26E-03	3.93E-04
5371	500021.1	3732116	2.28E-03	0.00E+00	2.28E-03	3.98E-04
5372	500030.9	3732115	2.31E-03	0.00E+00	2.31E-03	4.03E-04
5373	500040.8	3732115	2.34E-03	0.00E+00	2.34E-03	4.07E-04
5374	500050.7	3732114	2.36E-03	0.00E+00	2.36E-03	4.12E-04
5375	500060.5	3732113	2.39E-03	0.00E+00	2.39E-03	4.16E-04
5376	500070.4	3732112	2.41E-03	0.00E+00	2.41E-03	4.20E-04
5377	500080.2	3732111	2.44E-03	0.00E+00	2.44E-03	4.25E-04
5378	500090.1	3732110	2.46E-03	0.00E+00	2.46E-03	4.29E-04
5379	500100	3732109	2.48E-03	0.00E+00	2.48E-03	4.33E-04
5380	500109.8	3732108	2.51E-03	0.00E+00	2.51E-03	4.37E-04
5381	500119.7	3732107	2.53E-03	0.00E+00	2.53E-03	4.41E-04
5382	500129.5	3732106	2.55E-03	0.00E+00	2.55E-03	4.45E-04
5383	500139.4	3732105	2.57E-03	0.00E+00	2.57E-03	4.48E-04
5384	500149.3	3732104	2.59E-03	0.00E+00	2.59E-03	4.52E-04
5385	500159.1	3732103	2.61E-03	0.00E+00	2.61E-03	4.55E-04
5386	500169	3732102	2.63E-03	0.00E+00	2.63E-03	4.59E-04
5387	500178.8	3732101	2.65E-03	0.00E+00	2.65E-03	4.62E-04
5388	500188.7	3732100	2.67E-03	0.00E+00	2.67E-03	4.65E-04
5389	498913.1	3733268	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5390	498913.1	3733278	1.05E-03	0.00E+00	1.05E-03	1.84E-04
5391	498882.7	3732952	8.43E-04	0.00E+00	8.43E-04	1.47E-04
5392	498887.4	3732943	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5393	498892	3732934	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5394	498896.7	3732926	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5395	498901.3	3732917	8.47E-04	0.00E+00	8.47E-04	1.48E-04
5396	498906	3732908	8.48E-04	0.00E+00	8.48E-04	1.48E-04
5397	498910.6	3732900	8.50E-04	0.00E+00	8.50E-04	1.48E-04
5398	498915.3	3732891	8.51E-04	0.00E+00	8.51E-04	1.48E-04

5399	498919.9	3732882	8.52E-04	0.00E+00	8.52E-04	1.48E-04
5400	498924.6	3732874	8.53E-04	0.00E+00	8.53E-04	1.49E-04
5401	498929.3	3732865	8.54E-04	0.00E+00	8.54E-04	1.49E-04
5402	498933.9	3732856	8.55E-04	0.00E+00	8.55E-04	1.49E-04
5403	498938.6	3732848	8.56E-04	0.00E+00	8.56E-04	1.49E-04
5404	498943.2	3732839	8.57E-04	0.00E+00	8.57E-04	1.49E-04
5405	498947.9	3732830	8.58E-04	0.00E+00	8.58E-04	1.50E-04
5406	498952.5	3732822	8.59E-04	0.00E+00	8.59E-04	1.50E-04
5407	498957.2	3732813	8.60E-04	0.00E+00	8.60E-04	1.50E-04
5408	498961.8	3732804	8.61E-04	0.00E+00	8.61E-04	1.50E-04
5409	498966.5	3732796	8.63E-04	0.00E+00	8.63E-04	1.50E-04
5410	498971.2	3732787	8.64E-04	0.00E+00	8.64E-04	1.50E-04
5411	498975.8	3732778	8.65E-04	0.00E+00	8.65E-04	1.51E-04
5412	498980.5	3732770	8.66E-04	0.00E+00	8.66E-04	1.51E-04
5413	498985.1	3732761	8.67E-04	0.00E+00	8.67E-04	1.51E-04
5414	498989.8	3732752	8.68E-04	0.00E+00	8.68E-04	1.51E-04
5415	498994.4	3732744	8.69E-04	0.00E+00	8.69E-04	1.51E-04
5416	498999.1	3732735	8.70E-04	0.00E+00	8.70E-04	1.52E-04
5417	499003.7	3732726	8.71E-04	0.00E+00	8.71E-04	1.52E-04
5418	499087.6	3732570	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5419	499092.2	3732561	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5420	499096.9	3732553	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5421	499101.5	3732544	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5422	499106.2	3732535	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5423	499110.8	3732527	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5424	499115.5	3732518	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5425	499120.1	3732509	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5426	499124.8	3732501	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5427	499129.5	3732492	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5428	499138.8	3732475	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5429	499143.4	3732466	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5430	499148.1	3732457	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5431	499152.7	3732449	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5432	499157.4	3732440	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5433	499162	3732431	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5434	499507	3732135	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5435	499516.8	3732134	1.09E-03	0.00E+00	1.09E-03	1.89E-04
5436	499526.6	3732133	1.10E-03	0.00E+00	1.10E-03	1.92E-04
5437	499536.4	3732132	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5438	499546.2	3732131	1.13E-03	0.00E+00	1.13E-03	1.97E-04
5439	499555.9	3732130	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5440	499565.7	3732129	1.16E-03	0.00E+00	1.16E-03	2.02E-04
5441	499575.5	3732128	1.17E-03	0.00E+00	1.17E-03	2.05E-04
5442	499585.3	3732127	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5443	499595.1	3732126	1.21E-03	0.00E+00	1.21E-03	2.10E-04
5444	499604.9	3732125	1.22E-03	0.00E+00	1.22E-03	2.13E-04
5445	499614.7	3732124	1.24E-03	0.00E+00	1.24E-03	2.16E-04

5446	499624.5	3732123	1.26E-03	0.00E+00	1.26E-03	2.19E-04
5447	499634.3	3732122	1.27E-03	0.00E+00	1.27E-03	2.22E-04
5448	499644.1	3732121	1.29E-03	0.00E+00	1.29E-03	2.25E-04
5449	499653.9	3732120	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5450	499663.7	3732120	1.33E-03	0.00E+00	1.33E-03	2.31E-04
5451	499673.5	3732119	1.35E-03	0.00E+00	1.35E-03	2.35E-04
5452	499683.3	3732118	1.37E-03	0.00E+00	1.37E-03	2.38E-04
5453	499693.1	3732117	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5454	499702.9	3732116	1.40E-03	0.00E+00	1.40E-03	2.45E-04
5455	499712.7	3732115	1.42E-03	0.00E+00	1.42E-03	2.48E-04
5456	499722.5	3732114	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5457	499732.3	3732113	1.47E-03	0.00E+00	1.47E-03	2.55E-04
5458	499742.1	3732112	1.49E-03	0.00E+00	1.49E-03	2.59E-04
5459	499751.9	3732111	1.51E-03	0.00E+00	1.51E-03	2.63E-04
5460	499761.7	3732110	1.53E-03	0.00E+00	1.53E-03	2.67E-04
5461	499771.5	3732109	1.55E-03	0.00E+00	1.55E-03	2.70E-04
5462	499781.3	3732108	1.57E-03	0.00E+00	1.57E-03	2.74E-04
5463	499791.1	3732107	1.60E-03	0.00E+00	1.60E-03	2.78E-04
5464	499800.9	3732106	1.62E-03	0.00E+00	1.62E-03	2.82E-04
5465	499810.7	3732105	1.64E-03	0.00E+00	1.64E-03	2.86E-04
5466	499820.5	3732104	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5467	499830.3	3732103	1.69E-03	0.00E+00	1.69E-03	2.95E-04
5468	499840.1	3732102	1.71E-03	0.00E+00	1.71E-03	2.99E-04
5469	499849.9	3732101	1.74E-03	0.00E+00	1.74E-03	3.03E-04
5470	499859.6	3732100	1.76E-03	0.00E+00	1.76E-03	3.07E-04
5471	499869.4	3732100	1.79E-03	0.00E+00	1.79E-03	3.12E-04
5472	499879.2	3732099	1.81E-03	0.00E+00	1.81E-03	3.16E-04
5473	499889	3732098	1.84E-03	0.00E+00	1.84E-03	3.20E-04
5474	499898.8	3732097	1.86E-03	0.00E+00	1.86E-03	3.25E-04
5475	499908.6	3732096	1.89E-03	0.00E+00	1.89E-03	3.29E-04
5476	499918.4	3732095	1.91E-03	0.00E+00	1.91E-03	3.33E-04
5477	499928.2	3732094	1.94E-03	0.00E+00	1.94E-03	3.38E-04
5478	499938	3732093	1.96E-03	0.00E+00	1.96E-03	3.42E-04
5479	499947.8	3732092	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5480	499957.6	3732091	2.01E-03	0.00E+00	2.01E-03	3.51E-04
5481	499967.4	3732090	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5482	499977.2	3732089	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5483	499987	3732088	2.09E-03	0.00E+00	2.09E-03	3.64E-04
5484	499996.8	3732087	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5485	500006.6	3732086	2.14E-03	0.00E+00	2.14E-03	3.73E-04
5486	500016.4	3732085	2.16E-03	0.00E+00	2.16E-03	3.77E-04
5487	500026.2	3732084	2.19E-03	0.00E+00	2.19E-03	3.81E-04
5488	500036	3732083	2.21E-03	0.00E+00	2.21E-03	3.86E-04
5489	500045.8	3732082	2.24E-03	0.00E+00	2.24E-03	3.90E-04
5490	500055.6	3732081	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5491	500065.4	3732080	2.28E-03	0.00E+00	2.28E-03	3.98E-04
5492	500075.2	3732080	2.31E-03	0.00E+00	2.31E-03	4.02E-04

5493	500085	3732079	2.33E-03	0.00E+00	2.33E-03	4.06E-04
5494	500094.8	3732078	2.35E-03	0.00E+00	2.35E-03	4.10E-04
5495	500104.6	3732077	2.37E-03	0.00E+00	2.37E-03	4.14E-04
5496	500114.4	3732076	2.40E-03	0.00E+00	2.40E-03	4.17E-04
5497	500124.2	3732075	2.42E-03	0.00E+00	2.42E-03	4.21E-04
5498	500134	3732074	2.44E-03	0.00E+00	2.44E-03	4.25E-04
5499	500143.8	3732073	2.46E-03	0.00E+00	2.46E-03	4.28E-04
5500	500153.6	3732072	2.48E-03	0.00E+00	2.48E-03	4.31E-04
5501	500163.3	3732071	2.49E-03	0.00E+00	2.49E-03	4.35E-04
5502	500173.1	3732070	2.51E-03	0.00E+00	2.51E-03	4.38E-04
5503	500182.9	3732069	2.53E-03	0.00E+00	2.53E-03	4.41E-04
5504	500192.7	3732068	2.55E-03	0.00E+00	2.55E-03	4.44E-04
5505	498877.4	3733268	9.94E-04	0.00E+00	9.94E-04	1.73E-04
5506	498877.4	3733278	9.99E-04	0.00E+00	9.99E-04	1.74E-04
5507	498847	3732952	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5508	498851.7	3732943	8.06E-04	0.00E+00	8.06E-04	1.40E-04
5509	498856.4	3732934	8.07E-04	0.00E+00	8.07E-04	1.41E-04
5510	498861	3732925	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5511	498865.7	3732917	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5512	498870.4	3732908	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5513	498875.1	3732899	8.11E-04	0.00E+00	8.11E-04	1.41E-04
5514	498879.7	3732891	8.12E-04	0.00E+00	8.12E-04	1.41E-04
5515	498884.4	3732882	8.13E-04	0.00E+00	8.13E-04	1.42E-04
5516	498889.1	3732873	8.14E-04	0.00E+00	8.14E-04	1.42E-04
5517	498893.8	3732864	8.15E-04	0.00E+00	8.15E-04	1.42E-04
5518	498898.4	3732856	8.16E-04	0.00E+00	8.16E-04	1.42E-04
5519	498903.1	3732847	8.17E-04	0.00E+00	8.17E-04	1.42E-04
5520	498907.8	3732838	8.18E-04	0.00E+00	8.18E-04	1.42E-04
5521	498912.5	3732830	8.19E-04	0.00E+00	8.19E-04	1.43E-04
5522	498917.1	3732821	8.20E-04	0.00E+00	8.20E-04	1.43E-04
5523	498921.8	3732812	8.21E-04	0.00E+00	8.21E-04	1.43E-04
5524	498926.5	3732803	8.22E-04	0.00E+00	8.22E-04	1.43E-04
5525	498931.2	3732795	8.23E-04	0.00E+00	8.23E-04	1.43E-04
5526	498935.8	3732786	8.24E-04	0.00E+00	8.24E-04	1.44E-04
5527	498940.5	3732777	8.25E-04	0.00E+00	8.25E-04	1.44E-04
5528	498945.2	3732769	8.26E-04	0.00E+00	8.26E-04	1.44E-04
5529	498949.9	3732760	8.27E-04	0.00E+00	8.27E-04	1.44E-04
5530	498954.6	3732751	8.28E-04	0.00E+00	8.28E-04	1.44E-04
5531	498959.2	3732742	8.29E-04	0.00E+00	8.29E-04	1.44E-04
5532	498963.9	3732734	8.30E-04	0.00E+00	8.30E-04	1.45E-04
5533	498968.6	3732725	8.31E-04	0.00E+00	8.31E-04	1.45E-04
5534	498973.3	3732716	8.31E-04	0.00E+00	8.31E-04	1.45E-04
5535	499062.1	3732551	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5536	499066.8	3732542	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5537	499071.5	3732533	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5538	499076.1	3732525	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5539	499080.8	3732516	8.46E-04	0.00E+00	8.46E-04	1.47E-04

5540	499085.5	3732507	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5541	499090.2	3732499	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5542	499094.8	3732490	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5543	499099.5	3732481	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5544	499104.2	3732472	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5545	499108.9	3732464	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5546	499113.5	3732455	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5547	499118.2	3732446	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5548	499122.9	3732438	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5549	499127.6	3732429	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5550	499132.2	3732420	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5551	499136.9	3732412	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5552	499141.6	3732403	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5553	499146.3	3732394	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5554	499286.6	3732133	8.14E-04	0.00E+00	8.14E-04	1.42E-04
5555	499301.1	3732123	8.22E-04	0.00E+00	8.22E-04	1.43E-04
5556	499310.9	3732122	8.30E-04	0.00E+00	8.30E-04	1.45E-04
5557	499320.8	3732121	8.39E-04	0.00E+00	8.39E-04	1.46E-04
5558	499330.6	3732120	8.48E-04	0.00E+00	8.48E-04	1.48E-04
5559	499340.4	3732119	8.57E-04	0.00E+00	8.57E-04	1.49E-04
5560	499350.3	3732118	8.67E-04	0.00E+00	8.67E-04	1.51E-04
5561	499497.9	3732104	1.03E-03	0.00E+00	1.03E-03	1.79E-04
5562	499507.7	3732103	1.04E-03	0.00E+00	1.04E-03	1.82E-04
5563	499517.5	3732102	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5564	499527.4	3732101	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5565	499537.2	3732100	1.08E-03	0.00E+00	1.08E-03	1.89E-04
5566	499547.1	3732099	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5567	499556.9	3732098	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5568	499566.7	3732097	1.13E-03	0.00E+00	1.13E-03	1.96E-04
5569	499576.6	3732096	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5570	499586.4	3732095	1.15E-03	0.00E+00	1.15E-03	2.01E-04
5571	499596.3	3732094	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5572	499606.1	3732093	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5573	499615.9	3732093	1.20E-03	0.00E+00	1.20E-03	2.09E-04
5574	499625.8	3732092	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5575	499635.6	3732091	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5576	499645.5	3732090	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5577	499655.3	3732089	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5578	499665.1	3732088	1.29E-03	0.00E+00	1.29E-03	2.24E-04
5579	499675	3732087	1.30E-03	0.00E+00	1.30E-03	2.27E-04
5580	499684.8	3732086	1.32E-03	0.00E+00	1.32E-03	2.30E-04
5581	499694.7	3732085	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5582	499704.5	3732084	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5583	499714.3	3732083	1.38E-03	0.00E+00	1.38E-03	2.40E-04
5584	499724.2	3732082	1.40E-03	0.00E+00	1.40E-03	2.43E-04
5585	499734	3732081	1.42E-03	0.00E+00	1.42E-03	2.47E-04
5586	499743.9	3732080	1.44E-03	0.00E+00	1.44E-03	2.50E-04

5587	499753.7	3732079	1.46E-03	0.00E+00	1.46E-03	2.54E-04
5588	499763.5	3732078	1.48E-03	0.00E+00	1.48E-03	2.57E-04
5589	499773.4	3732077	1.50E-03	0.00E+00	1.50E-03	2.61E-04
5590	499783.2	3732076	1.52E-03	0.00E+00	1.52E-03	2.65E-04
5591	499793.1	3732075	1.54E-03	0.00E+00	1.54E-03	2.69E-04
5592	499802.9	3732074	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5593	499812.7	3732073	1.58E-03	0.00E+00	1.58E-03	2.76E-04
5594	499822.6	3732072	1.61E-03	0.00E+00	1.61E-03	2.80E-04
5595	499832.4	3732071	1.63E-03	0.00E+00	1.63E-03	2.84E-04
5596	499842.2	3732071	1.65E-03	0.00E+00	1.65E-03	2.88E-04
5597	499852.1	3732070	1.67E-03	0.00E+00	1.67E-03	2.92E-04
5598	499861.9	3732069	1.70E-03	0.00E+00	1.70E-03	2.96E-04
5599	499871.8	3732068	1.72E-03	0.00E+00	1.72E-03	3.00E-04
5600	499881.6	3732067	1.74E-03	0.00E+00	1.74E-03	3.04E-04
5601	499891.4	3732066	1.77E-03	0.00E+00	1.77E-03	3.08E-04
5602	499901.3	3732065	1.79E-03	0.00E+00	1.79E-03	3.12E-04
5603	499911.1	3732064	1.81E-03	0.00E+00	1.81E-03	3.16E-04
5604	499921	3732063	1.84E-03	0.00E+00	1.84E-03	3.20E-04
5605	499930.8	3732062	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5606	499940.6	3732061	1.89E-03	0.00E+00	1.89E-03	3.28E-04
5607	499950.5	3732060	1.91E-03	0.00E+00	1.91E-03	3.33E-04
5608	499960.3	3732059	1.93E-03	0.00E+00	1.93E-03	3.37E-04
5609	499970.2	3732058	1.96E-03	0.00E+00	1.96E-03	3.41E-04
5610	499980	3732057	1.98E-03	0.00E+00	1.98E-03	3.45E-04
5611	499989.8	3732056	2.00E-03	0.00E+00	2.00E-03	3.49E-04
5612	499999.7	3732055	2.03E-03	0.00E+00	2.03E-03	3.53E-04
5613	500009.5	3732054	2.05E-03	0.00E+00	2.05E-03	3.57E-04
5614	500019.4	3732053	2.07E-03	0.00E+00	2.07E-03	3.61E-04
5615	500029.2	3732052	2.10E-03	0.00E+00	2.10E-03	3.65E-04
5616	500039	3732051	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5617	500048.9	3732050	2.14E-03	0.00E+00	2.14E-03	3.73E-04
5618	500058.7	3732049	2.16E-03	0.00E+00	2.16E-03	3.77E-04
5619	500068.6	3732049	2.19E-03	0.00E+00	2.19E-03	3.81E-04
5620	500078.4	3732048	2.21E-03	0.00E+00	2.21E-03	3.85E-04
5621	500088.2	3732047	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5622	500098.1	3732046	2.25E-03	0.00E+00	2.25E-03	3.92E-04
5623	500107.9	3732045	2.27E-03	0.00E+00	2.27E-03	3.95E-04
5624	500117.8	3732044	2.29E-03	0.00E+00	2.29E-03	3.99E-04
5625	500127.6	3732043	2.31E-03	0.00E+00	2.31E-03	4.02E-04
5626	500137.4	3732042	2.33E-03	0.00E+00	2.33E-03	4.06E-04
5627	500147.3	3732041	2.35E-03	0.00E+00	2.35E-03	4.09E-04
5628	500157.1	3732040	2.37E-03	0.00E+00	2.37E-03	4.12E-04
5629	500167	3732039	2.38E-03	0.00E+00	2.38E-03	4.15E-04
5630	500176.8	3732038	2.40E-03	0.00E+00	2.40E-03	4.18E-04
5631	500186.6	3732037	2.42E-03	0.00E+00	2.42E-03	4.21E-04
5632	500196.5	3732036	2.43E-03	0.00E+00	2.43E-03	4.24E-04
5633	498841.7	3733268	9.44E-04	0.00E+00	9.44E-04	1.65E-04

5634	498841.7	3733278	9.49E-04	0.00E+00	9.49E-04	1.65E-04
5635	498811.3	3732951	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5636	498815.9	3732943	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5637	498820.6	3732934	7.72E-04	0.00E+00	7.72E-04	1.34E-04
5638	498825.2	3732926	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5639	498829.9	3732917	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5640	498834.5	3732908	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5641	498839.1	3732900	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5642	498843.8	3732891	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5643	498848.4	3732882	7.77E-04	0.00E+00	7.77E-04	1.35E-04
5644	498853.1	3732874	7.78E-04	0.00E+00	7.78E-04	1.36E-04
5645	498857.7	3732865	7.79E-04	0.00E+00	7.79E-04	1.36E-04
5646	498862.4	3732856	7.80E-04	0.00E+00	7.80E-04	1.36E-04
5647	498867	3732848	7.81E-04	0.00E+00	7.81E-04	1.36E-04
5648	498871.7	3732839	7.81E-04	0.00E+00	7.81E-04	1.36E-04
5649	498876.3	3732830	7.82E-04	0.00E+00	7.82E-04	1.36E-04
5650	498881	3732822	7.83E-04	0.00E+00	7.83E-04	1.36E-04
5651	498885.6	3732813	7.84E-04	0.00E+00	7.84E-04	1.37E-04
5652	498890.3	3732804	7.85E-04	0.00E+00	7.85E-04	1.37E-04
5653	498894.9	3732796	7.86E-04	0.00E+00	7.86E-04	1.37E-04
5654	498899.6	3732787	7.87E-04	0.00E+00	7.87E-04	1.37E-04
5655	498904.2	3732778	7.88E-04	0.00E+00	7.88E-04	1.37E-04
5656	498908.9	3732770	7.89E-04	0.00E+00	7.89E-04	1.37E-04
5657	498913.5	3732761	7.90E-04	0.00E+00	7.90E-04	1.38E-04
5658	498918.2	3732752	7.91E-04	0.00E+00	7.91E-04	1.38E-04
5659	498922.8	3732744	7.91E-04	0.00E+00	7.91E-04	1.38E-04
5660	498927.5	3732735	7.92E-04	0.00E+00	7.92E-04	1.38E-04
5661	498932.1	3732726	7.93E-04	0.00E+00	7.93E-04	1.38E-04
5662	498936.8	3732718	7.94E-04	0.00E+00	7.94E-04	1.38E-04
5663	498941.4	3732709	7.95E-04	0.00E+00	7.95E-04	1.39E-04
5664	498946.1	3732700	7.96E-04	0.00E+00	7.96E-04	1.39E-04
5665	498950.7	3732692	7.97E-04	0.00E+00	7.97E-04	1.39E-04
5666	498955.4	3732683	7.97E-04	0.00E+00	7.97E-04	1.39E-04
5667	498960	3732674	7.98E-04	0.00E+00	7.98E-04	1.39E-04
5668	498964.7	3732666	7.99E-04	0.00E+00	7.99E-04	1.39E-04
5669	498969.3	3732657	8.00E-04	0.00E+00	8.00E-04	1.39E-04
5670	498973.9	3732648	8.01E-04	0.00E+00	8.01E-04	1.39E-04
5671	498978.6	3732640	8.01E-04	0.00E+00	8.01E-04	1.40E-04
5672	498983.2	3732631	8.02E-04	0.00E+00	8.02E-04	1.40E-04
5673	498987.9	3732622	8.03E-04	0.00E+00	8.03E-04	1.40E-04
5674	498992.5	3732614	8.03E-04	0.00E+00	8.03E-04	1.40E-04
5675	498997.2	3732605	8.04E-04	0.00E+00	8.04E-04	1.40E-04
5676	499001.8	3732597	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5677	499006.5	3732588	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5678	499011.1	3732579	8.06E-04	0.00E+00	8.06E-04	1.40E-04
5679	499015.8	3732571	8.06E-04	0.00E+00	8.06E-04	1.41E-04
5680	499020.4	3732562	8.07E-04	0.00E+00	8.07E-04	1.41E-04

5681	499029.7	3732545	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5682	499034.4	3732536	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5683	499039	3732527	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5684	499043.7	3732519	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5685	499048.3	3732510	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5686	499053	3732501	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5687	499057.6	3732493	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5688	499062.3	3732484	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5689	499066.9	3732475	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5690	499071.6	3732467	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5691	499076.2	3732458	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5692	499080.9	3732449	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5693	499085.5	3732441	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5694	499090.2	3732432	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5695	499094.8	3732423	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5696	499099.5	3732415	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5697	499104.1	3732406	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5698	499108.8	3732397	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5699	499113.4	3732389	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5700	499118	3732380	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5701	499122.7	3732371	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5702	499127.3	3732363	8.07E-04	0.00E+00	8.07E-04	1.41E-04
5703	499132	3732354	8.06E-04	0.00E+00	8.06E-04	1.41E-04
5704	499136.6	3732345	8.06E-04	0.00E+00	8.06E-04	1.40E-04
5705	499141.3	3732337	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5706	499145.9	3732328	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5707	499252.8	3732129	7.82E-04	0.00E+00	7.82E-04	1.36E-04
5708	499257.5	3732120	7.81E-04	0.00E+00	7.81E-04	1.36E-04
5709	499262.1	3732112	7.80E-04	0.00E+00	7.80E-04	1.36E-04
5710	499266.8	3732103	7.79E-04	0.00E+00	7.79E-04	1.36E-04
5711	499281.2	3732093	7.85E-04	0.00E+00	7.85E-04	1.37E-04
5712	499291	3732092	7.93E-04	0.00E+00	7.93E-04	1.38E-04
5713	499300.8	3732091	8.01E-04	0.00E+00	8.01E-04	1.40E-04
5714	499310.6	3732091	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5715	499320.3	3732090	8.18E-04	0.00E+00	8.18E-04	1.43E-04
5716	499330.1	3732089	8.27E-04	0.00E+00	8.27E-04	1.44E-04
5717	499339.9	3732088	8.35E-04	0.00E+00	8.35E-04	1.46E-04
5718	499349.7	3732087	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5719	499486.6	3732073	9.88E-04	0.00E+00	9.88E-04	1.72E-04
5720	499496.4	3732072	9.99E-04	0.00E+00	9.99E-04	1.74E-04
5721	499506.2	3732072	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5722	499516	3732071	1.02E-03	0.00E+00	1.02E-03	1.78E-04
5723	499525.7	3732070	1.04E-03	0.00E+00	1.04E-03	1.81E-04
5724	499535.5	3732069	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5725	499545.3	3732068	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5726	499555.1	3732067	1.08E-03	0.00E+00	1.08E-03	1.87E-04
5727	499564.9	3732066	1.09E-03	0.00E+00	1.09E-03	1.90E-04

5728	499574.6	3732065	1.10E-03	0.00E+00	1.10E-03	1.92E-04
5729	499584.4	3732064	1.12E-03	0.00E+00	1.12E-03	1.95E-04
5730	499594.2	3732063	1.13E-03	0.00E+00	1.13E-03	1.97E-04
5731	499604	3732062	1.15E-03	0.00E+00	1.15E-03	2.00E-04
5732	499613.8	3732061	1.16E-03	0.00E+00	1.16E-03	2.02E-04
5733	499623.6	3732060	1.18E-03	0.00E+00	1.18E-03	2.05E-04
5734	499633.3	3732059	1.19E-03	0.00E+00	1.19E-03	2.08E-04
5735	499643.1	3732058	1.21E-03	0.00E+00	1.21E-03	2.10E-04
5736	499652.9	3732057	1.22E-03	0.00E+00	1.22E-03	2.13E-04
5737	499662.7	3732056	1.24E-03	0.00E+00	1.24E-03	2.16E-04
5738	499672.5	3732055	1.26E-03	0.00E+00	1.26E-03	2.19E-04
5739	499682.2	3732054	1.27E-03	0.00E+00	1.27E-03	2.22E-04
5740	499692	3732053	1.29E-03	0.00E+00	1.29E-03	2.25E-04
5741	499701.8	3732053	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5742	499711.6	3732052	1.33E-03	0.00E+00	1.33E-03	2.31E-04
5743	499721.4	3732051	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5744	499731.1	3732050	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5745	499740.9	3732049	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5746	499750.7	3732048	1.40E-03	0.00E+00	1.40E-03	2.44E-04
5747	499760.5	3732047	1.42E-03	0.00E+00	1.42E-03	2.47E-04
5748	499770.3	3732046	1.44E-03	0.00E+00	1.44E-03	2.51E-04
5749	499780	3732045	1.46E-03	0.00E+00	1.46E-03	2.54E-04
5750	499789.8	3732044	1.48E-03	0.00E+00	1.48E-03	2.57E-04
5751	499799.6	3732043	1.50E-03	0.00E+00	1.50E-03	2.61E-04
5752	499809.4	3732042	1.52E-03	0.00E+00	1.52E-03	2.64E-04
5753	499819.2	3732041	1.54E-03	0.00E+00	1.54E-03	2.68E-04
5754	499829	3732040	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5755	499838.7	3732039	1.58E-03	0.00E+00	1.58E-03	2.75E-04
5756	499848.5	3732038	1.60E-03	0.00E+00	1.60E-03	2.79E-04
5757	499858.3	3732037	1.62E-03	0.00E+00	1.62E-03	2.83E-04
5758	499868.1	3732036	1.64E-03	0.00E+00	1.64E-03	2.86E-04
5759	499877.9	3732035	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5760	499887.6	3732034	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5761	499897.4	3732034	1.71E-03	0.00E+00	1.71E-03	2.98E-04
5762	499907.2	3732033	1.73E-03	0.00E+00	1.73E-03	3.01E-04
5763	499917	3732032	1.75E-03	0.00E+00	1.75E-03	3.05E-04
5764	499926.8	3732031	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5765	499936.5	3732030	1.80E-03	0.00E+00	1.80E-03	3.13E-04
5766	499946.3	3732029	1.82E-03	0.00E+00	1.82E-03	3.17E-04
5767	499956.1	3732028	1.84E-03	0.00E+00	1.84E-03	3.21E-04
5768	499965.9	3732027	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5769	499975.7	3732026	1.88E-03	0.00E+00	1.88E-03	3.28E-04
5770	499985.4	3732025	1.91E-03	0.00E+00	1.91E-03	3.32E-04
5771	499995.2	3732024	1.93E-03	0.00E+00	1.93E-03	3.36E-04
5772	500005	3732023	1.95E-03	0.00E+00	1.95E-03	3.40E-04
5773	500014.8	3732022	1.97E-03	0.00E+00	1.97E-03	3.43E-04
5774	500024.6	3732021	1.99E-03	0.00E+00	1.99E-03	3.47E-04

5775	500034.3	3732020	2.01E-03	0.00E+00	2.01E-03	3.51E-04
5776	500044.1	3732019	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5777	500053.9	3732018	2.06E-03	0.00E+00	2.06E-03	3.58E-04
5778	500063.7	3732017	2.08E-03	0.00E+00	2.08E-03	3.62E-04
5779	500073.5	3732016	2.10E-03	0.00E+00	2.10E-03	3.65E-04
5780	500083.3	3732015	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5781	500093	3732014	2.14E-03	0.00E+00	2.14E-03	3.72E-04
5782	500102.8	3732014	2.16E-03	0.00E+00	2.16E-03	3.76E-04
5783	500112.6	3732013	2.17E-03	0.00E+00	2.17E-03	3.79E-04
5784	500122.4	3732012	2.19E-03	0.00E+00	2.19E-03	3.82E-04
5785	500132.2	3732011	2.21E-03	0.00E+00	2.21E-03	3.85E-04
5786	500141.9	3732010	2.23E-03	0.00E+00	2.23E-03	3.89E-04
5787	500151.7	3732009	2.25E-03	0.00E+00	2.25E-03	3.92E-04
5788	500161.5	3732008	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5789	500171.3	3732007	2.28E-03	0.00E+00	2.28E-03	3.97E-04
5790	500181.1	3732006	2.30E-03	0.00E+00	2.30E-03	4.00E-04
5791	500190.8	3732005	2.31E-03	0.00E+00	2.31E-03	4.03E-04
5792	500200.6	3732004	2.33E-03	0.00E+00	2.33E-03	4.05E-04
5793	500210.4	3732003	2.34E-03	0.00E+00	2.34E-03	4.08E-04
5794	500220.2	3732002	2.36E-03	0.00E+00	2.36E-03	4.10E-04
5795	498806	3733268	8.99E-04	0.00E+00	8.99E-04	1.57E-04
5796	498805.9	3733278	9.03E-04	0.00E+00	9.03E-04	1.57E-04
5797	498775.6	3732951	7.37E-04	0.00E+00	7.37E-04	1.28E-04
5798	498780.2	3732943	7.38E-04	0.00E+00	7.38E-04	1.29E-04
5799	498784.9	3732934	7.39E-04	0.00E+00	7.39E-04	1.29E-04
5800	498789.6	3732925	7.40E-04	0.00E+00	7.40E-04	1.29E-04
5801	498794.2	3732917	7.41E-04	0.00E+00	7.41E-04	1.29E-04
5802	498798.9	3732908	7.41E-04	0.00E+00	7.41E-04	1.29E-04
5803	498803.6	3732899	7.42E-04	0.00E+00	7.42E-04	1.29E-04
5804	498808.2	3732891	7.43E-04	0.00E+00	7.43E-04	1.29E-04
5805	498812.9	3732882	7.44E-04	0.00E+00	7.44E-04	1.30E-04
5806	498817.6	3732873	7.45E-04	0.00E+00	7.45E-04	1.30E-04
5807	498822.2	3732864	7.45E-04	0.00E+00	7.45E-04	1.30E-04
5808	498826.9	3732856	7.46E-04	0.00E+00	7.46E-04	1.30E-04
5809	498831.6	3732847	7.47E-04	0.00E+00	7.47E-04	1.30E-04
5810	498836.2	3732838	7.48E-04	0.00E+00	7.48E-04	1.30E-04
5811	498840.9	3732830	7.49E-04	0.00E+00	7.49E-04	1.30E-04
5812	498845.6	3732821	7.49E-04	0.00E+00	7.49E-04	1.31E-04
5813	498850.2	3732812	7.50E-04	0.00E+00	7.50E-04	1.31E-04
5814	498854.9	3732804	7.51E-04	0.00E+00	7.51E-04	1.31E-04
5815	498859.6	3732795	7.52E-04	0.00E+00	7.52E-04	1.31E-04
5816	498864.2	3732786	7.53E-04	0.00E+00	7.53E-04	1.31E-04
5817	498868.9	3732778	7.54E-04	0.00E+00	7.54E-04	1.31E-04
5818	498873.6	3732769	7.54E-04	0.00E+00	7.54E-04	1.31E-04
5819	498878.2	3732760	7.55E-04	0.00E+00	7.55E-04	1.32E-04
5820	498882.9	3732751	7.56E-04	0.00E+00	7.56E-04	1.32E-04
5821	498887.6	3732743	7.57E-04	0.00E+00	7.57E-04	1.32E-04

5822	498892.3	3732734	7.58E-04	0.00E+00	7.58E-04	1.32E-04
5823	498896.9	3732725	7.59E-04	0.00E+00	7.59E-04	1.32E-04
5824	498901.6	3732717	7.60E-04	0.00E+00	7.60E-04	1.32E-04
5825	498906.3	3732708	7.60E-04	0.00E+00	7.60E-04	1.32E-04
5826	498910.9	3732699	7.61E-04	0.00E+00	7.61E-04	1.33E-04
5827	498915.6	3732691	7.62E-04	0.00E+00	7.62E-04	1.33E-04
5828	498920.3	3732682	7.63E-04	0.00E+00	7.63E-04	1.33E-04
5829	498924.9	3732673	7.64E-04	0.00E+00	7.64E-04	1.33E-04
5830	498929.6	3732664	7.64E-04	0.00E+00	7.64E-04	1.33E-04
5831	498934.3	3732656	7.65E-04	0.00E+00	7.65E-04	1.33E-04
5832	498938.9	3732647	7.66E-04	0.00E+00	7.66E-04	1.33E-04
5833	498943.6	3732638	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5834	498948.3	3732630	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5835	498952.9	3732621	7.68E-04	0.00E+00	7.68E-04	1.34E-04
5836	498957.6	3732612	7.69E-04	0.00E+00	7.69E-04	1.34E-04
5837	498962.3	3732604	7.69E-04	0.00E+00	7.69E-04	1.34E-04
5838	498966.9	3732595	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5839	498971.6	3732586	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5840	498976.3	3732578	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5841	498980.9	3732569	7.72E-04	0.00E+00	7.72E-04	1.34E-04
5842	498985.6	3732560	7.72E-04	0.00E+00	7.72E-04	1.35E-04
5843	498990.3	3732551	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5844	498994.9	3732543	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5845	498999.6	3732534	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5846	499004.3	3732525	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5847	499008.9	3732517	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5848	499013.6	3732508	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5849	499018.3	3732499	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5850	499022.9	3732491	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5851	499027.6	3732482	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5852	499032.3	3732473	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5853	499036.9	3732465	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5854	499041.6	3732456	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5855	499046.3	3732447	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5856	499050.9	3732438	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5857	499055.6	3732430	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5858	499060.3	3732421	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5859	499064.9	3732412	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5860	499069.6	3732404	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5861	499074.3	3732395	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5862	499078.9	3732386	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5863	499083.6	3732378	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5864	499088.3	3732369	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5865	499093	3732360	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5866	499097.6	3732352	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5867	499102.3	3732343	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5868	499107	3732334	7.73E-04	0.00E+00	7.73E-04	1.35E-04

5869	499111.6	3732325	7.72E-04	0.00E+00	7.72E-04	1.35E-04
5870	499116.3	3732317	7.72E-04	0.00E+00	7.72E-04	1.34E-04
5871	499121	3732308	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5872	499125.6	3732299	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5873	499130.3	3732291	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5874	499135	3732282	7.69E-04	0.00E+00	7.69E-04	1.34E-04
5875	499139.6	3732273	7.68E-04	0.00E+00	7.68E-04	1.34E-04
5876	499144.3	3732265	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5877	499149	3732256	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5878	499214.3	3732134	7.53E-04	0.00E+00	7.53E-04	1.31E-04
5879	499219	3732125	7.52E-04	0.00E+00	7.52E-04	1.31E-04
5880	499223.6	3732117	7.51E-04	0.00E+00	7.51E-04	1.31E-04
5881	499228.3	3732108	7.50E-04	0.00E+00	7.50E-04	1.31E-04
5882	499233	3732099	7.49E-04	0.00E+00	7.49E-04	1.30E-04
5883	499237.6	3732091	7.48E-04	0.00E+00	7.48E-04	1.30E-04
5884	499242.3	3732082	7.47E-04	0.00E+00	7.47E-04	1.30E-04
5885	499247	3732073	7.46E-04	0.00E+00	7.46E-04	1.30E-04
5886	499261.5	3732064	7.52E-04	0.00E+00	7.52E-04	1.31E-04
5887	499271.3	3732063	7.59E-04	0.00E+00	7.59E-04	1.32E-04
5888	499281.1	3732062	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5889	499290.9	3732061	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5890	499300.8	3732060	7.82E-04	0.00E+00	7.82E-04	1.36E-04
5891	499310.6	3732059	7.90E-04	0.00E+00	7.90E-04	1.38E-04
5892	499320.4	3732058	7.98E-04	0.00E+00	7.98E-04	1.39E-04
5893	499330.2	3732057	8.06E-04	0.00E+00	8.06E-04	1.41E-04
5894	499340	3732056	8.15E-04	0.00E+00	8.15E-04	1.42E-04
5895	499349.9	3732055	8.23E-04	0.00E+00	8.23E-04	1.43E-04
5896	499428.4	3732047	8.98E-04	0.00E+00	8.98E-04	1.56E-04
5897	499438.2	3732046	9.08E-04	0.00E+00	9.08E-04	1.58E-04
5898	499448.1	3732046	9.18E-04	0.00E+00	9.18E-04	1.60E-04
5899	499457.9	3732045	9.29E-04	0.00E+00	9.29E-04	1.62E-04
5900	499467.7	3732044	9.39E-04	0.00E+00	9.39E-04	1.64E-04
5901	499477.5	3732043	9.50E-04	0.00E+00	9.50E-04	1.66E-04
5902	499487.4	3732042	9.61E-04	0.00E+00	9.61E-04	1.67E-04
5903	499497.2	3732041	9.73E-04	0.00E+00	9.73E-04	1.69E-04
5904	499507	3732040	9.84E-04	0.00E+00	9.84E-04	1.71E-04
5905	499516.8	3732039	9.96E-04	0.00E+00	9.96E-04	1.74E-04
5906	499526.6	3732038	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5907	499536.5	3732037	1.02E-03	0.00E+00	1.02E-03	1.78E-04
5908	499546.3	3732036	1.03E-03	0.00E+00	1.03E-03	1.80E-04
5909	499556.1	3732035	1.05E-03	0.00E+00	1.05E-03	1.82E-04
5910	499565.9	3732034	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5911	499575.7	3732033	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5912	499585.6	3732032	1.09E-03	0.00E+00	1.09E-03	1.89E-04
5913	499595.4	3732031	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5914	499605.2	3732030	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5915	499615	3732029	1.13E-03	0.00E+00	1.13E-03	1.96E-04

5916	499624.9	3732028	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5917	499634.7	3732027	1.16E-03	0.00E+00	1.16E-03	2.01E-04
5918	499644.5	3732026	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5919	499654.3	3732025	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5920	499664.1	3732025	1.20E-03	0.00E+00	1.20E-03	2.10E-04
5921	499674	3732024	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5922	499683.8	3732023	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5923	499693.6	3732022	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5924	499703.4	3732021	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5925	499713.2	3732020	1.28E-03	0.00E+00	1.28E-03	2.24E-04
5926	499723.1	3732019	1.30E-03	0.00E+00	1.30E-03	2.27E-04
5927	499732.9	3732018	1.32E-03	0.00E+00	1.32E-03	2.30E-04
5928	499742.7	3732017	1.34E-03	0.00E+00	1.34E-03	2.33E-04
5929	499752.5	3732016	1.35E-03	0.00E+00	1.35E-03	2.36E-04
5930	499762.3	3732015	1.37E-03	0.00E+00	1.37E-03	2.39E-04
5931	499772.2	3732014	1.39E-03	0.00E+00	1.39E-03	2.42E-04
5932	499782	3732013	1.41E-03	0.00E+00	1.41E-03	2.46E-04
5933	499791.8	3732012	1.43E-03	0.00E+00	1.43E-03	2.49E-04
5934	499801.6	3732011	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5935	499811.5	3732010	1.47E-03	0.00E+00	1.47E-03	2.55E-04
5936	499821.3	3732009	1.49E-03	0.00E+00	1.49E-03	2.59E-04
5937	499831.1	3732008	1.50E-03	0.00E+00	1.50E-03	2.62E-04
5938	499840.9	3732007	1.52E-03	0.00E+00	1.52E-03	2.66E-04
5939	499850.7	3732006	1.54E-03	0.00E+00	1.54E-03	2.69E-04
5940	499860.6	3732005	1.56E-03	0.00E+00	1.56E-03	2.73E-04
5941	499870.4	3732004	1.58E-03	0.00E+00	1.58E-03	2.76E-04
5942	499880.2	3732004	1.60E-03	0.00E+00	1.60E-03	2.80E-04
5943	499890	3732003	1.63E-03	0.00E+00	1.63E-03	2.83E-04
5944	499899.8	3732002	1.65E-03	0.00E+00	1.65E-03	2.87E-04
5945	499909.7	3732001	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5946	499919.5	3732000	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5947	499929.3	3731999	1.71E-03	0.00E+00	1.71E-03	2.98E-04
5948	499939.1	3731998	1.73E-03	0.00E+00	1.73E-03	3.01E-04
5949	499949	3731997	1.75E-03	0.00E+00	1.75E-03	3.05E-04
5950	499958.8	3731996	1.77E-03	0.00E+00	1.77E-03	3.08E-04
5951	499968.6	3731995	1.79E-03	0.00E+00	1.79E-03	3.12E-04
5952	499978.4	3731994	1.81E-03	0.00E+00	1.81E-03	3.16E-04
5953	499988.2	3731993	1.83E-03	0.00E+00	1.83E-03	3.19E-04
5954	499998.1	3731992	1.85E-03	0.00E+00	1.85E-03	3.23E-04
5955	500007.9	3731991	1.87E-03	0.00E+00	1.87E-03	3.26E-04
5956	500017.7	3731990	1.89E-03	0.00E+00	1.89E-03	3.30E-04
5957	500027.5	3731989	1.91E-03	0.00E+00	1.91E-03	3.33E-04
5958	500037.3	3731988	1.93E-03	0.00E+00	1.93E-03	3.37E-04
5959	500047.2	3731987	1.95E-03	0.00E+00	1.95E-03	3.40E-04
5960	500057	3731986	1.97E-03	0.00E+00	1.97E-03	3.44E-04
5961	500066.8	3731985	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5962	500076.6	3731984	2.01E-03	0.00E+00	2.01E-03	3.50E-04

5963	500086.4	3731983	2.03E-03	0.00E+00	2.03E-03	3.54E-04
5964	500096.3	3731983	2.05E-03	0.00E+00	2.05E-03	3.57E-04
5965	500106.1	3731982	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5966	500115.9	3731981	2.08E-03	0.00E+00	2.08E-03	3.63E-04
5967	500125.7	3731980	2.10E-03	0.00E+00	2.10E-03	3.66E-04
5968	500135.6	3731979	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5969	500145.4	3731978	2.14E-03	0.00E+00	2.14E-03	3.72E-04
5970	500155.2	3731977	2.15E-03	0.00E+00	2.15E-03	3.75E-04
5971	500165	3731976	2.17E-03	0.00E+00	2.17E-03	3.78E-04
5972	500174.8	3731975	2.18E-03	0.00E+00	2.18E-03	3.80E-04
5973	500184.7	3731974	2.20E-03	0.00E+00	2.20E-03	3.83E-04
5974	500194.5	3731973	2.21E-03	0.00E+00	2.21E-03	3.86E-04
5975	500204.3	3731972	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5976	500214.1	3731971	2.24E-03	0.00E+00	2.24E-03	3.91E-04
5977	500223.9	3731970	2.25E-03	0.00E+00	2.25E-03	3.93E-04
5978	500233.8	3731969	2.27E-03	0.00E+00	2.27E-03	3.95E-04
5979	498770.2	3733268	8.56E-04	0.00E+00	8.56E-04	1.49E-04
5980	498770.2	3733278	8.60E-04	0.00E+00	8.60E-04	1.50E-04
5981	498739.9	3732951	7.07E-04	0.00E+00	7.07E-04	1.23E-04
5982	498744.6	3732943	7.08E-04	0.00E+00	7.08E-04	1.23E-04
5983	498749.2	3732934	7.08E-04	0.00E+00	7.08E-04	1.23E-04
5984	498753.9	3732925	7.09E-04	0.00E+00	7.09E-04	1.24E-04
5985	498758.6	3732916	7.10E-04	0.00E+00	7.10E-04	1.24E-04
5986	498763.3	3732908	7.11E-04	0.00E+00	7.11E-04	1.24E-04
5987	498768	3732899	7.11E-04	0.00E+00	7.11E-04	1.24E-04
5988	498772.7	3732890	7.12E-04	0.00E+00	7.12E-04	1.24E-04
5989	498777.4	3732881	7.13E-04	0.00E+00	7.13E-04	1.24E-04
5990	498782	3732873	7.14E-04	0.00E+00	7.14E-04	1.24E-04
5991	498786.7	3732864	7.14E-04	0.00E+00	7.14E-04	1.24E-04
5992	498791.4	3732855	7.15E-04	0.00E+00	7.15E-04	1.25E-04
5993	498796.1	3732847	7.16E-04	0.00E+00	7.16E-04	1.25E-04
5994	498800.8	3732838	7.17E-04	0.00E+00	7.17E-04	1.25E-04
5995	498805.5	3732829	7.17E-04	0.00E+00	7.17E-04	1.25E-04
5996	498810.2	3732820	7.18E-04	0.00E+00	7.18E-04	1.25E-04
5997	498814.8	3732812	7.19E-04	0.00E+00	7.19E-04	1.25E-04
5998	498819.5	3732803	7.20E-04	0.00E+00	7.20E-04	1.25E-04
5999	498824.2	3732794	7.20E-04	0.00E+00	7.20E-04	1.26E-04
6000	498828.9	3732785	7.21E-04	0.00E+00	7.21E-04	1.26E-04
6001	498833.6	3732777	7.22E-04	0.00E+00	7.22E-04	1.26E-04
6002	498838.3	3732768	7.23E-04	0.00E+00	7.23E-04	1.26E-04
6003	498842.9	3732759	7.23E-04	0.00E+00	7.23E-04	1.26E-04
6004	498847.6	3732751	7.24E-04	0.00E+00	7.24E-04	1.26E-04
6005	498852.3	3732742	7.25E-04	0.00E+00	7.25E-04	1.26E-04
6006	498857	3732733	7.26E-04	0.00E+00	7.26E-04	1.26E-04
6007	498861.7	3732724	7.27E-04	0.00E+00	7.27E-04	1.27E-04
6008	498866.4	3732716	7.27E-04	0.00E+00	7.27E-04	1.27E-04
6009	498871.1	3732707	7.28E-04	0.00E+00	7.28E-04	1.27E-04

6010	498875.7	3732698	7.29E-04	0.00E+00	7.29E-04	1.27E-04
6011	498880.4	3732689	7.30E-04	0.00E+00	7.30E-04	1.27E-04
6012	498885.1	3732681	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6013	498889.8	3732672	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6014	498894.5	3732663	7.32E-04	0.00E+00	7.32E-04	1.28E-04
6015	498899.2	3732655	7.33E-04	0.00E+00	7.33E-04	1.28E-04
6016	498903.9	3732646	7.33E-04	0.00E+00	7.33E-04	1.28E-04
6017	498908.5	3732637	7.34E-04	0.00E+00	7.34E-04	1.28E-04
6018	498913.2	3732628	7.35E-04	0.00E+00	7.35E-04	1.28E-04
6019	498917.9	3732620	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6020	498922.6	3732611	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6021	498927.3	3732602	7.37E-04	0.00E+00	7.37E-04	1.28E-04
6022	498932	3732593	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6023	498936.7	3732585	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6024	498941.3	3732576	7.39E-04	0.00E+00	7.39E-04	1.29E-04
6025	498946	3732567	7.39E-04	0.00E+00	7.39E-04	1.29E-04
6026	498950.7	3732559	7.40E-04	0.00E+00	7.40E-04	1.29E-04
6027	498955.4	3732550	7.40E-04	0.00E+00	7.40E-04	1.29E-04
6028	498960.1	3732541	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6029	498964.8	3732532	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6030	498969.5	3732524	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6031	498974.1	3732515	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6032	498978.8	3732506	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6033	498983.5	3732497	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6034	498988.2	3732489	7.43E-04	0.00E+00	7.43E-04	1.30E-04
6035	498992.9	3732480	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6036	498997.6	3732471	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6037	499002.3	3732463	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6038	499006.9	3732454	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6039	499011.6	3732445	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6040	499016.3	3732436	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6041	499021	3732428	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6042	499025.7	3732419	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6043	499030.4	3732410	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6044	499035.1	3732401	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6045	499039.7	3732393	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6046	499044.4	3732384	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6047	499049.1	3732375	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6048	499053.8	3732367	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6049	499058.5	3732358	7.43E-04	0.00E+00	7.43E-04	1.30E-04
6050	499063.2	3732349	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6051	499067.9	3732340	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6052	499072.5	3732332	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6053	499077.2	3732323	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6054	499081.9	3732314	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6055	499086.6	3732305	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6056	499091.3	3732297	7.40E-04	0.00E+00	7.40E-04	1.29E-04

6057	499096	3732288	7.40E-04	0.00E+00	7.40E-04	1.29E-04
6058	499100.7	3732279	7.39E-04	0.00E+00	7.39E-04	1.29E-04
6059	499105.3	3732271	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6060	499110	3732262	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6061	499114.7	3732253	7.37E-04	0.00E+00	7.37E-04	1.28E-04
6062	499119.4	3732244	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6063	499124.1	3732236	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6064	499128.8	3732227	7.35E-04	0.00E+00	7.35E-04	1.28E-04
6065	499133.5	3732218	7.34E-04	0.00E+00	7.34E-04	1.28E-04
6066	499138.1	3732209	7.33E-04	0.00E+00	7.33E-04	1.28E-04
6067	499142.8	3732201	7.32E-04	0.00E+00	7.32E-04	1.28E-04
6068	499147.5	3732192	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6069	499180.3	3732131	7.25E-04	0.00E+00	7.25E-04	1.26E-04
6070	499185	3732122	7.24E-04	0.00E+00	7.24E-04	1.26E-04
6071	499189.7	3732113	7.23E-04	0.00E+00	7.23E-04	1.26E-04
6072	499194.4	3732105	7.22E-04	0.00E+00	7.22E-04	1.26E-04
6073	499199.1	3732096	7.21E-04	0.00E+00	7.21E-04	1.26E-04
6074	499203.7	3732087	7.20E-04	0.00E+00	7.20E-04	1.25E-04
6075	499208.4	3732079	7.19E-04	0.00E+00	7.19E-04	1.25E-04
6076	499213.1	3732070	7.18E-04	0.00E+00	7.18E-04	1.25E-04
6077	499217.8	3732061	7.17E-04	0.00E+00	7.17E-04	1.25E-04
6078	499222.5	3732052	7.16E-04	0.00E+00	7.16E-04	1.25E-04
6079	499227.2	3732044	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6080	499241.7	3732034	7.21E-04	0.00E+00	7.21E-04	1.26E-04
6081	499251.6	3732033	7.28E-04	0.00E+00	7.28E-04	1.27E-04
6082	499261.4	3732032	7.35E-04	0.00E+00	7.35E-04	1.28E-04
6083	499271.3	3732031	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6084	499281.1	3732030	7.49E-04	0.00E+00	7.49E-04	1.31E-04
6085	499291	3732029	7.56E-04	0.00E+00	7.56E-04	1.32E-04
6086	499300.9	3732028	7.64E-04	0.00E+00	7.64E-04	1.33E-04
6087	499310.7	3732027	7.72E-04	0.00E+00	7.72E-04	1.34E-04
6088	499320.6	3732026	7.79E-04	0.00E+00	7.79E-04	1.36E-04
6089	499330.4	3732025	7.87E-04	0.00E+00	7.87E-04	1.37E-04
6090	499340.3	3732024	7.95E-04	0.00E+00	7.95E-04	1.39E-04
6091	499350.2	3732023	8.04E-04	0.00E+00	8.04E-04	1.40E-04
6092	499409.3	3732018	8.56E-04	0.00E+00	8.56E-04	1.49E-04
6093	499419.2	3732017	8.65E-04	0.00E+00	8.65E-04	1.51E-04
6094	499429	3732016	8.75E-04	0.00E+00	8.75E-04	1.52E-04
6095	499438.9	3732015	8.85E-04	0.00E+00	8.85E-04	1.54E-04
6096	499448.8	3732014	8.95E-04	0.00E+00	8.95E-04	1.56E-04
6097	499458.6	3732013	9.05E-04	0.00E+00	9.05E-04	1.58E-04
6098	499468.5	3732012	9.15E-04	0.00E+00	9.15E-04	1.59E-04
6099	499478.3	3732011	9.26E-04	0.00E+00	9.26E-04	1.61E-04
6100	499488.2	3732010	9.36E-04	0.00E+00	9.36E-04	1.63E-04
6101	499498.1	3732009	9.47E-04	0.00E+00	9.47E-04	1.65E-04
6102	499507.9	3732008	9.58E-04	0.00E+00	9.58E-04	1.67E-04
6103	499517.8	3732007	9.70E-04	0.00E+00	9.70E-04	1.69E-04

6104	499527.6	3732006	9.81E-04	0.00E+00	9.81E-04	1.71E-04
6105	499537.5	3732005	9.93E-04	0.00E+00	9.93E-04	1.73E-04
6106	499547.3	3732004	1.00E-03	0.00E+00	1.00E-03	1.75E-04
6107	499557.2	3732003	1.02E-03	0.00E+00	1.02E-03	1.77E-04
6108	499567.1	3732002	1.03E-03	0.00E+00	1.03E-03	1.79E-04
6109	499576.9	3732001	1.04E-03	0.00E+00	1.04E-03	1.82E-04
6110	499586.8	3732000	1.06E-03	0.00E+00	1.06E-03	1.84E-04
6111	499596.6	3731999	1.07E-03	0.00E+00	1.07E-03	1.86E-04
6112	499606.5	3731998	1.08E-03	0.00E+00	1.08E-03	1.88E-04
6113	499616.4	3731998	1.10E-03	0.00E+00	1.10E-03	1.91E-04
6114	499626.2	3731997	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6115	499636.1	3731996	1.12E-03	0.00E+00	1.12E-03	1.96E-04
6116	499645.9	3731995	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6117	499655.8	3731994	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6118	499665.7	3731993	1.17E-03	0.00E+00	1.17E-03	2.03E-04
6119	499675.5	3731992	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6120	499685.4	3731991	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6121	499695.2	3731990	1.21E-03	0.00E+00	1.21E-03	2.11E-04
6122	499705.1	3731989	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6123	499715	3731988	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6124	499724.8	3731987	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6125	499734.7	3731986	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6126	499744.5	3731985	1.29E-03	0.00E+00	1.29E-03	2.25E-04
6127	499754.4	3731984	1.31E-03	0.00E+00	1.31E-03	2.28E-04
6128	499764.2	3731983	1.33E-03	0.00E+00	1.33E-03	2.31E-04
6129	499774.1	3731982	1.35E-03	0.00E+00	1.35E-03	2.34E-04
6130	499784	3731981	1.36E-03	0.00E+00	1.36E-03	2.38E-04
6131	499793.8	3731980	1.38E-03	0.00E+00	1.38E-03	2.41E-04
6132	499803.7	3731979	1.40E-03	0.00E+00	1.40E-03	2.44E-04
6133	499813.5	3731978	1.42E-03	0.00E+00	1.42E-03	2.47E-04
6134	499823.4	3731977	1.44E-03	0.00E+00	1.44E-03	2.50E-04
6135	499833.3	3731976	1.45E-03	0.00E+00	1.45E-03	2.53E-04
6136	499843.1	3731975	1.47E-03	0.00E+00	1.47E-03	2.57E-04
6137	499853	3731975	1.49E-03	0.00E+00	1.49E-03	2.60E-04
6138	499862.8	3731974	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6139	499872.7	3731973	1.53E-03	0.00E+00	1.53E-03	2.66E-04
6140	499882.6	3731972	1.55E-03	0.00E+00	1.55E-03	2.70E-04
6141	499892.4	3731971	1.57E-03	0.00E+00	1.57E-03	2.73E-04
6142	499902.3	3731970	1.59E-03	0.00E+00	1.59E-03	2.76E-04
6143	499912.1	3731969	1.61E-03	0.00E+00	1.61E-03	2.80E-04
6144	499922	3731968	1.63E-03	0.00E+00	1.63E-03	2.83E-04
6145	499931.9	3731967	1.64E-03	0.00E+00	1.64E-03	2.87E-04
6146	499941.7	3731966	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6147	499951.6	3731965	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6148	499961.4	3731964	1.70E-03	0.00E+00	1.70E-03	2.97E-04
6149	499971.3	3731963	1.72E-03	0.00E+00	1.72E-03	3.00E-04
6150	499981.2	3731962	1.74E-03	0.00E+00	1.74E-03	3.04E-04

6151	499991	3731961	1.76E-03	0.00E+00	1.76E-03	3.07E-04
6152	500000.9	3731960	1.78E-03	0.00E+00	1.78E-03	3.10E-04
6153	500010.7	3731959	1.80E-03	0.00E+00	1.80E-03	3.14E-04
6154	500020.6	3731958	1.82E-03	0.00E+00	1.82E-03	3.17E-04
6155	500030.4	3731957	1.84E-03	0.00E+00	1.84E-03	3.20E-04
6156	500040.3	3731956	1.86E-03	0.00E+00	1.86E-03	3.23E-04
6157	500050.2	3731955	1.88E-03	0.00E+00	1.88E-03	3.27E-04
6158	500060	3731954	1.89E-03	0.00E+00	1.89E-03	3.30E-04
6159	500069.9	3731953	1.91E-03	0.00E+00	1.91E-03	3.33E-04
6160	500079.7	3731952	1.93E-03	0.00E+00	1.93E-03	3.36E-04
6161	500089.6	3731952	1.95E-03	0.00E+00	1.95E-03	3.39E-04
6162	500099.5	3731951	1.96E-03	0.00E+00	1.96E-03	3.42E-04
6163	500109.3	3731950	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6164	500119.2	3731949	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6165	500129	3731948	2.02E-03	0.00E+00	2.02E-03	3.51E-04
6166	500138.9	3731947	2.03E-03	0.00E+00	2.03E-03	3.54E-04
6167	500148.8	3731946	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6168	500158.6	3731945	2.06E-03	0.00E+00	2.06E-03	3.60E-04
6169	500168.5	3731944	2.08E-03	0.00E+00	2.08E-03	3.62E-04
6170	500178.3	3731943	2.09E-03	0.00E+00	2.09E-03	3.65E-04
6171	500188.2	3731942	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6172	500198.1	3731941	2.12E-03	0.00E+00	2.12E-03	3.70E-04
6173	500207.9	3731940	2.14E-03	0.00E+00	2.14E-03	3.72E-04
6174	500217.8	3731939	2.15E-03	0.00E+00	2.15E-03	3.74E-04
6175	500227.6	3731938	2.16E-03	0.00E+00	2.16E-03	3.77E-04
6176	500237.5	3731937	2.17E-03	0.00E+00	2.17E-03	3.79E-04
6177	498734.5	3733268	8.17E-04	0.00E+00	8.17E-04	1.42E-04
6178	498734.5	3733278	8.21E-04	0.00E+00	8.21E-04	1.43E-04
6179	498713.4	3732934	6.80E-04	0.00E+00	6.80E-04	1.18E-04
6180	498718.1	3732925	6.81E-04	0.00E+00	6.81E-04	1.19E-04
6181	498722.8	3732917	6.81E-04	0.00E+00	6.81E-04	1.19E-04
6182	498727.4	3732908	6.82E-04	0.00E+00	6.82E-04	1.19E-04
6183	498732.1	3732899	6.83E-04	0.00E+00	6.83E-04	1.19E-04
6184	498736.7	3732890	6.83E-04	0.00E+00	6.83E-04	1.19E-04
6185	498741.4	3732882	6.84E-04	0.00E+00	6.84E-04	1.19E-04
6186	498746.1	3732873	6.85E-04	0.00E+00	6.85E-04	1.19E-04
6187	498750.7	3732864	6.85E-04	0.00E+00	6.85E-04	1.19E-04
6188	498755.4	3732856	6.86E-04	0.00E+00	6.86E-04	1.20E-04
6189	498760	3732847	6.87E-04	0.00E+00	6.87E-04	1.20E-04
6190	498764.7	3732838	6.87E-04	0.00E+00	6.87E-04	1.20E-04
6191	498769.4	3732830	6.88E-04	0.00E+00	6.88E-04	1.20E-04
6192	498774	3732821	6.89E-04	0.00E+00	6.89E-04	1.20E-04
6193	498778.7	3732812	6.89E-04	0.00E+00	6.89E-04	1.20E-04
6194	498783.3	3732804	6.90E-04	0.00E+00	6.90E-04	1.20E-04
6195	498788	3732795	6.91E-04	0.00E+00	6.91E-04	1.20E-04
6196	498792.7	3732786	6.92E-04	0.00E+00	6.92E-04	1.20E-04
6197	498797.3	3732778	6.92E-04	0.00E+00	6.92E-04	1.21E-04

6198	498802	3732769	6.93E-04	0.00E+00	6.93E-04	1.21E-04
6199	498806.6	3732760	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6200	498811.3	3732752	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6201	498816	3732743	6.95E-04	0.00E+00	6.95E-04	1.21E-04
6202	498820.6	3732734	6.96E-04	0.00E+00	6.96E-04	1.21E-04
6203	498825.3	3732726	6.96E-04	0.00E+00	6.96E-04	1.21E-04
6204	498829.9	3732717	6.97E-04	0.00E+00	6.97E-04	1.21E-04
6205	498834.6	3732708	6.98E-04	0.00E+00	6.98E-04	1.22E-04
6206	498839.3	3732700	6.99E-04	0.00E+00	6.99E-04	1.22E-04
6207	498843.9	3732691	6.99E-04	0.00E+00	6.99E-04	1.22E-04
6208	498848.6	3732682	7.00E-04	0.00E+00	7.00E-04	1.22E-04
6209	498853.2	3732673	7.01E-04	0.00E+00	7.01E-04	1.22E-04
6210	498857.9	3732665	7.01E-04	0.00E+00	7.01E-04	1.22E-04
6211	498862.6	3732656	7.02E-04	0.00E+00	7.02E-04	1.22E-04
6212	498867.2	3732647	7.03E-04	0.00E+00	7.03E-04	1.22E-04
6213	498871.9	3732639	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6214	498876.5	3732630	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6215	498881.2	3732621	7.05E-04	0.00E+00	7.05E-04	1.23E-04
6216	498885.9	3732613	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6217	498890.5	3732604	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6218	498895.2	3732595	7.07E-04	0.00E+00	7.07E-04	1.23E-04
6219	498899.8	3732587	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6220	498904.5	3732578	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6221	498909.2	3732569	7.09E-04	0.00E+00	7.09E-04	1.24E-04
6222	498913.8	3732561	7.09E-04	0.00E+00	7.09E-04	1.24E-04
6223	498918.5	3732552	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6224	498923.1	3732543	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6225	498927.8	3732535	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6226	498932.5	3732526	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6227	498937.1	3732517	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6228	498941.8	3732509	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6229	498946.4	3732500	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6230	498951.1	3732491	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6231	498955.8	3732483	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6232	498960.4	3732474	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6233	498965.1	3732465	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6234	498969.7	3732457	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6235	498974.4	3732448	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6236	498979.1	3732439	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6237	498983.7	3732430	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6238	498988.4	3732422	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6239	498993	3732413	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6240	498997.7	3732404	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6241	499002.4	3732396	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6242	499007	3732387	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6243	499011.7	3732378	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6244	499016.3	3732370	7.15E-04	0.00E+00	7.15E-04	1.25E-04

6245	499021	3732361	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6246	499025.7	3732352	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6247	499030.3	3732344	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6248	499035	3732335	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6249	499039.6	3732326	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6250	499044.3	3732318	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6251	499049	3732309	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6252	499053.6	3732300	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6253	499058.3	3732292	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6254	499062.9	3732283	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6255	499067.6	3732274	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6256	499072.3	3732266	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6257	499076.9	3732257	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6258	499081.6	3732248	7.09E-04	0.00E+00	7.09E-04	1.24E-04
6259	499086.2	3732240	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6260	499090.9	3732231	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6261	499095.6	3732222	7.07E-04	0.00E+00	7.07E-04	1.23E-04
6262	499100.2	3732213	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6263	499104.9	3732205	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6264	499109.5	3732196	7.05E-04	0.00E+00	7.05E-04	1.23E-04
6265	499114.2	3732187	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6266	499146.8	3732127	6.98E-04	0.00E+00	6.98E-04	1.22E-04
6267	499151.5	3732118	6.97E-04	0.00E+00	6.97E-04	1.21E-04
6268	499156.1	3732109	6.96E-04	0.00E+00	6.96E-04	1.21E-04
6269	499160.8	3732101	6.95E-04	0.00E+00	6.95E-04	1.21E-04
6270	499165.5	3732092	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6271	499170.1	3732083	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6272	499174.8	3732075	6.93E-04	0.00E+00	6.93E-04	1.21E-04
6273	499179.4	3732066	6.92E-04	0.00E+00	6.92E-04	1.21E-04
6274	499184.1	3732057	6.91E-04	0.00E+00	6.91E-04	1.20E-04
6275	499188.8	3732049	6.90E-04	0.00E+00	6.90E-04	1.20E-04
6276	499193.4	3732040	6.89E-04	0.00E+00	6.89E-04	1.20E-04
6277	499198.1	3732031	6.88E-04	0.00E+00	6.88E-04	1.20E-04
6278	499202.7	3732023	6.87E-04	0.00E+00	6.87E-04	1.20E-04
6279	499207.4	3732014	6.86E-04	0.00E+00	6.86E-04	1.20E-04
6280	499221.9	3732004	6.91E-04	0.00E+00	6.91E-04	1.20E-04
6281	499231.7	3732003	6.98E-04	0.00E+00	6.98E-04	1.22E-04
6282	499241.5	3732002	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6283	499251.3	3732001	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6284	499261.1	3732000	7.18E-04	0.00E+00	7.18E-04	1.25E-04
6285	499270.9	3731999	7.24E-04	0.00E+00	7.24E-04	1.26E-04
6286	499280.7	3731998	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6287	499290.5	3731998	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6288	499300.3	3731997	7.46E-04	0.00E+00	7.46E-04	1.30E-04
6289	499310.1	3731996	7.53E-04	0.00E+00	7.53E-04	1.31E-04
6290	499319.9	3731995	7.60E-04	0.00E+00	7.60E-04	1.32E-04
6291	499329.7	3731994	7.68E-04	0.00E+00	7.68E-04	1.34E-04

6292	499339.5	3731993	7.76E-04	0.00E+00	7.76E-04	1.35E-04
6293	499349.3	3731992	7.84E-04	0.00E+00	7.84E-04	1.37E-04
6294	499418	3731985	8.43E-04	0.00E+00	8.43E-04	1.47E-04
6295	499427.8	3731984	8.52E-04	0.00E+00	8.52E-04	1.48E-04
6296	499437.6	3731983	8.61E-04	0.00E+00	8.61E-04	1.50E-04
6297	499447.4	3731982	8.70E-04	0.00E+00	8.70E-04	1.52E-04
6298	499457.2	3731981	8.80E-04	0.00E+00	8.80E-04	1.53E-04
6299	499467	3731980	8.90E-04	0.00E+00	8.90E-04	1.55E-04
6300	499476.8	3731979	9.00E-04	0.00E+00	9.00E-04	1.57E-04
6301	499486.6	3731978	9.10E-04	0.00E+00	9.10E-04	1.59E-04
6302	499496.4	3731978	9.20E-04	0.00E+00	9.20E-04	1.60E-04
6303	499506.2	3731977	9.31E-04	0.00E+00	9.31E-04	1.62E-04
6304	499516	3731976	9.41E-04	0.00E+00	9.41E-04	1.64E-04
6305	499525.8	3731975	9.52E-04	0.00E+00	9.52E-04	1.66E-04
6306	499535.6	3731974	9.63E-04	0.00E+00	9.63E-04	1.68E-04
6307	499545.4	3731973	9.75E-04	0.00E+00	9.75E-04	1.70E-04
6308	499555.2	3731972	9.86E-04	0.00E+00	9.86E-04	1.72E-04
6309	499565	3731971	9.98E-04	0.00E+00	9.98E-04	1.74E-04
6310	499574.8	3731970	1.01E-03	0.00E+00	1.01E-03	1.76E-04
6311	499584.7	3731969	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6312	499594.5	3731968	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6313	499604.3	3731967	1.05E-03	0.00E+00	1.05E-03	1.82E-04
6314	499614.1	3731966	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6315	499623.9	3731965	1.07E-03	0.00E+00	1.07E-03	1.87E-04
6316	499633.7	3731964	1.09E-03	0.00E+00	1.09E-03	1.89E-04
6317	499643.5	3731963	1.10E-03	0.00E+00	1.10E-03	1.92E-04
6318	499653.3	3731962	1.11E-03	0.00E+00	1.11E-03	1.94E-04
6319	499663.1	3731961	1.13E-03	0.00E+00	1.13E-03	1.96E-04
6320	499672.9	3731960	1.14E-03	0.00E+00	1.14E-03	1.99E-04
6321	499682.7	3731959	1.16E-03	0.00E+00	1.16E-03	2.01E-04
6322	499692.5	3731958	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6323	499702.3	3731958	1.19E-03	0.00E+00	1.19E-03	2.07E-04
6324	499712.1	3731957	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6325	499721.9	3731956	1.22E-03	0.00E+00	1.22E-03	2.12E-04
6326	499731.7	3731955	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6327	499741.5	3731954	1.25E-03	0.00E+00	1.25E-03	2.17E-04
6328	499751.3	3731953	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6329	499761.1	3731952	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6330	499771	3731951	1.29E-03	0.00E+00	1.29E-03	2.26E-04
6331	499780.8	3731950	1.31E-03	0.00E+00	1.31E-03	2.28E-04
6332	499790.6	3731949	1.33E-03	0.00E+00	1.33E-03	2.31E-04
6333	499800.4	3731948	1.34E-03	0.00E+00	1.34E-03	2.34E-04
6334	499810.2	3731947	1.36E-03	0.00E+00	1.36E-03	2.37E-04
6335	499820	3731946	1.38E-03	0.00E+00	1.38E-03	2.40E-04
6336	499829.8	3731945	1.40E-03	0.00E+00	1.40E-03	2.43E-04
6337	499839.6	3731944	1.41E-03	0.00E+00	1.41E-03	2.46E-04
6338	499849.4	3731943	1.43E-03	0.00E+00	1.43E-03	2.49E-04

6339	499859.2	3731942	1.45E-03	0.00E+00	1.45E-03	2.52E-04
6340	499869	3731941	1.47E-03	0.00E+00	1.47E-03	2.55E-04
6341	499878.8	3731940	1.48E-03	0.00E+00	1.48E-03	2.58E-04
6342	499888.6	3731939	1.50E-03	0.00E+00	1.50E-03	2.62E-04
6343	499898.4	3731938	1.52E-03	0.00E+00	1.52E-03	2.65E-04
6344	499908.2	3731938	1.54E-03	0.00E+00	1.54E-03	2.68E-04
6345	499918	3731937	1.56E-03	0.00E+00	1.56E-03	2.71E-04
6346	499927.8	3731936	1.57E-03	0.00E+00	1.57E-03	2.74E-04
6347	499937.6	3731935	1.59E-03	0.00E+00	1.59E-03	2.77E-04
6348	499947.4	3731934	1.61E-03	0.00E+00	1.61E-03	2.80E-04
6349	499957.3	3731933	1.63E-03	0.00E+00	1.63E-03	2.84E-04
6350	499967.1	3731932	1.65E-03	0.00E+00	1.65E-03	2.87E-04
6351	499976.9	3731931	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6352	499986.7	3731930	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6353	499996.5	3731929	1.70E-03	0.00E+00	1.70E-03	2.96E-04
6354	500006.3	3731928	1.72E-03	0.00E+00	1.72E-03	2.99E-04
6355	500016.1	3731927	1.74E-03	0.00E+00	1.74E-03	3.02E-04
6356	500025.9	3731926	1.75E-03	0.00E+00	1.75E-03	3.06E-04
6357	500035.7	3731925	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6358	500045.5	3731924	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6359	500055.3	3731923	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6360	500065.1	3731922	1.82E-03	0.00E+00	1.82E-03	3.18E-04
6361	500074.9	3731921	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6362	500084.7	3731920	1.86E-03	0.00E+00	1.86E-03	3.24E-04
6363	500094.5	3731919	1.87E-03	0.00E+00	1.87E-03	3.26E-04
6364	500104.3	3731918	1.89E-03	0.00E+00	1.89E-03	3.29E-04
6365	500114.1	3731917	1.91E-03	0.00E+00	1.91E-03	3.32E-04
6366	500123.9	3731917	1.92E-03	0.00E+00	1.92E-03	3.35E-04
6367	500133.7	3731916	1.94E-03	0.00E+00	1.94E-03	3.38E-04
6368	500143.6	3731915	1.95E-03	0.00E+00	1.95E-03	3.40E-04
6369	500153.4	3731914	1.97E-03	0.00E+00	1.97E-03	3.43E-04
6370	500163.2	3731913	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6371	500173	3731912	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6372	500182.8	3731911	2.01E-03	0.00E+00	2.01E-03	3.50E-04
6373	500192.6	3731910	2.02E-03	0.00E+00	2.02E-03	3.53E-04
6374	500202.4	3731909	2.04E-03	0.00E+00	2.04E-03	3.55E-04
6375	500212.2	3731908	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6376	500222	3731907	2.06E-03	0.00E+00	2.06E-03	3.59E-04
6377	500231.8	3731906	2.07E-03	0.00E+00	2.07E-03	3.61E-04
6378	500241.6	3731905	2.09E-03	0.00E+00	2.09E-03	3.63E-04
6379	500280.8	3731901	2.13E-03	0.00E+00	2.13E-03	3.71E-04
6380	498698.8	3733268	7.81E-04	0.00E+00	7.81E-04	1.36E-04
6381	498698.8	3733277	7.85E-04	0.00E+00	7.85E-04	1.37E-04
6382	499638.4	3733557	9.77E-03	0.00E+00	9.77E-03	1.70E-03
6383	499627.7	3733545	9.25E-03	0.00E+00	9.25E-03	1.61E-03
6384	499620.9	3733582	9.02E-03	0.00E+00	9.02E-03	1.57E-03
6385	499610.4	3733569	8.57E-03	0.00E+00	8.57E-03	1.49E-03

6386	499599.8	3733557	8.13E-03	0.00E+00	8.13E-03	1.42E-03
6387	499589.3	3733545	7.71E-03	0.00E+00	7.71E-03	1.34E-03
6388	499632.9	3733593	9.55E-03	0.00E+00	9.55E-03	1.66E-03
6389	499603.4	3733606	8.36E-03	0.00E+00	8.36E-03	1.46E-03
6390	499593	3733594	7.96E-03	0.00E+00	7.96E-03	1.39E-03
6391	499582.6	3733582	7.58E-03	0.00E+00	7.58E-03	1.32E-03
6392	499572.1	3733570	7.21E-03	0.00E+00	7.21E-03	1.26E-03
6393	499561.7	3733557	6.86E-03	0.00E+00	6.86E-03	1.20E-03
6394	499551.3	3733545	6.52E-03	0.00E+00	6.52E-03	1.14E-03
6395	499540.9	3733533	6.20E-03	0.00E+00	6.20E-03	1.08E-03
6396	499615.3	3733617	8.82E-03	0.00E+00	8.82E-03	1.54E-03
6397	499585.7	3733630	7.76E-03	0.00E+00	7.76E-03	1.35E-03
6398	499574.9	3733618	7.41E-03	0.00E+00	7.41E-03	1.29E-03
6399	499564.2	3733605	7.06E-03	0.00E+00	7.06E-03	1.23E-03
6400	499553.5	3733593	6.72E-03	0.00E+00	6.72E-03	1.17E-03
6401	499542.7	3733580	6.40E-03	0.00E+00	6.40E-03	1.11E-03
6402	499532	3733567	6.09E-03	0.00E+00	6.09E-03	1.06E-03
6403	499521.2	3733555	5.79E-03	0.00E+00	5.79E-03	1.01E-03
6404	499597.8	3733641	8.17E-03	0.00E+00	8.17E-03	1.42E-03
6405	499568.2	3733655	7.24E-03	0.00E+00	7.24E-03	1.26E-03
6406	499557.5	3733642	6.93E-03	0.00E+00	6.93E-03	1.21E-03
6407	499546.9	3733630	6.62E-03	0.00E+00	6.62E-03	1.15E-03
6408	499536.3	3733617	6.32E-03	0.00E+00	6.32E-03	1.10E-03
6409	499525.7	3733605	6.04E-03	0.00E+00	6.04E-03	1.05E-03
6410	499580.2	3733666	7.60E-03	0.00E+00	7.60E-03	1.32E-03
6411	499550.6	3733679	6.77E-03	0.00E+00	6.77E-03	1.18E-03
6412	499540.1	3733667	6.50E-03	0.00E+00	6.50E-03	1.13E-03
6413	499529.6	3733654	6.23E-03	0.00E+00	6.23E-03	1.08E-03
6414	499352.6	3733295	2.59E-03	0.00E+00	2.59E-03	4.52E-04
6415	499562.6	3733690	7.09E-03	0.00E+00	7.09E-03	1.24E-03
6416	499527.1	3733711	6.22E-03	0.00E+00	6.22E-03	1.08E-03
6417	499354.4	3733469	3.03E-03	0.00E+00	3.03E-03	5.28E-04
6418	499350.6	3733454	2.96E-03	0.00E+00	2.96E-03	5.16E-04
6419	499346.8	3733438	2.89E-03	0.00E+00	2.89E-03	5.04E-04
6420	499343	3733422	2.82E-03	0.00E+00	2.82E-03	4.92E-04
6421	499339.2	3733406	2.75E-03	0.00E+00	2.75E-03	4.80E-04
6422	499335.4	3733390	2.69E-03	0.00E+00	2.69E-03	4.68E-04
6423	499331.6	3733374	2.62E-03	0.00E+00	2.62E-03	4.57E-04
6424	499327.8	3733358	2.56E-03	0.00E+00	2.56E-03	4.46E-04
6425	499324	3733342	2.50E-03	0.00E+00	2.50E-03	4.36E-04
6426	499320.2	3733326	2.44E-03	0.00E+00	2.44E-03	4.26E-04
6427	499316.4	3733311	2.38E-03	0.00E+00	2.38E-03	4.16E-04
6428	499312.6	3733295	2.33E-03	0.00E+00	2.33E-03	4.06E-04
6429	499539.2	3733722	6.49E-03	0.00E+00	6.49E-03	1.13E-03
6430	499503.7	3733744	5.73E-03	0.00E+00	5.73E-03	9.99E-04
6431	499460.8	3733694	4.91E-03	0.00E+00	4.91E-03	8.55E-04
6432	499450	3733681	4.72E-03	0.00E+00	4.72E-03	8.22E-04

6433	499439.3	3733669	4.53E-03	0.00E+00	4.53E-03	7.89E-04
6434	499353.5	3733568	3.25E-03	0.00E+00	3.25E-03	5.67E-04
6435	499342.8	3733556	3.12E-03	0.00E+00	3.12E-03	5.44E-04
6436	499330.1	3733535	2.97E-03	0.00E+00	2.97E-03	5.17E-04
6437	499326.3	3733519	2.90E-03	0.00E+00	2.90E-03	5.05E-04
6438	499322.5	3733503	2.83E-03	0.00E+00	2.83E-03	4.94E-04
6439	499318.6	3733487	2.77E-03	0.00E+00	2.77E-03	4.83E-04
6440	499314.8	3733471	2.71E-03	0.00E+00	2.71E-03	4.72E-04
6441	499311	3733455	2.65E-03	0.00E+00	2.65E-03	4.61E-04
6442	499307.1	3733439	2.59E-03	0.00E+00	2.59E-03	4.50E-04
6443	499303.3	3733423	2.53E-03	0.00E+00	2.53E-03	4.40E-04
6444	499299.5	3733407	2.47E-03	0.00E+00	2.47E-03	4.30E-04
6445	499295.6	3733391	2.41E-03	0.00E+00	2.41E-03	4.20E-04
6446	499291.8	3733375	2.36E-03	0.00E+00	2.36E-03	4.11E-04
6447	499288	3733359	2.31E-03	0.00E+00	2.31E-03	4.02E-04
6448	499284.1	3733343	2.25E-03	0.00E+00	2.25E-03	3.93E-04
6449	499280.3	3733327	2.20E-03	0.00E+00	2.20E-03	3.84E-04
6450	499276.5	3733311	2.15E-03	0.00E+00	2.15E-03	3.75E-04
6451	499272.6	3733295	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6452	499515.7	3733755	5.97E-03	0.00E+00	5.97E-03	1.04E-03
6453	499480.3	3733776	5.31E-03	0.00E+00	5.31E-03	9.25E-04
6454	499469.8	3733764	5.13E-03	0.00E+00	5.13E-03	8.94E-04
6455	499459.3	3733752	4.95E-03	0.00E+00	4.95E-03	8.62E-04
6456	499448.8	3733739	4.77E-03	0.00E+00	4.77E-03	8.32E-04
6457	499438.3	3733727	4.60E-03	0.00E+00	4.60E-03	8.02E-04
6458	499427.8	3733715	4.43E-03	0.00E+00	4.43E-03	7.72E-04
6459	499417.3	3733703	4.27E-03	0.00E+00	4.27E-03	7.43E-04
6460	499354.2	3733629	3.38E-03	0.00E+00	3.38E-03	5.90E-04
6461	499343.7	3733617	3.26E-03	0.00E+00	3.26E-03	5.67E-04
6462	499333.2	3733604	3.13E-03	0.00E+00	3.13E-03	5.46E-04
6463	499322.7	3733592	3.01E-03	0.00E+00	3.01E-03	5.25E-04
6464	499312.2	3733580	2.90E-03	0.00E+00	2.90E-03	5.06E-04
6465	499301.7	3733568	2.79E-03	0.00E+00	2.79E-03	4.87E-04
6466	499294.5	3733554	2.71E-03	0.00E+00	2.71E-03	4.73E-04
6467	499290.8	3733538	2.66E-03	0.00E+00	2.66E-03	4.63E-04
6468	499287	3733522	2.60E-03	0.00E+00	2.60E-03	4.53E-04
6469	499283.3	3733506	2.55E-03	0.00E+00	2.55E-03	4.44E-04
6470	499279.5	3733491	2.49E-03	0.00E+00	2.49E-03	4.35E-04
6471	499275.8	3733475	2.44E-03	0.00E+00	2.44E-03	4.25E-04
6472	499272	3733459	2.39E-03	0.00E+00	2.39E-03	4.16E-04
6473	499268.2	3733444	2.34E-03	0.00E+00	2.34E-03	4.08E-04
6474	499264.5	3733428	2.29E-03	0.00E+00	2.29E-03	3.99E-04
6475	499260.7	3733412	2.24E-03	0.00E+00	2.24E-03	3.91E-04
6476	499257	3733396	2.20E-03	0.00E+00	2.20E-03	3.83E-04
6477	499253.2	3733381	2.15E-03	0.00E+00	2.15E-03	3.75E-04
6478	499249.5	3733365	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6479	499245.7	3733349	2.06E-03	0.00E+00	2.06E-03	3.59E-04

6480	499241.9	3733334	2.02E-03	0.00E+00	2.02E-03	3.52E-04
6481	499238.2	3733318	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6482	499234.4	3733302	1.94E-03	0.00E+00	1.94E-03	3.38E-04
6483	499492.3	3733787	5.52E-03	0.00E+00	5.52E-03	9.61E-04
6484	499456.9	3733809	4.93E-03	0.00E+00	4.93E-03	8.59E-04
6485	499446.3	3733796	4.77E-03	0.00E+00	4.77E-03	8.31E-04
6486	499435.7	3733784	4.61E-03	0.00E+00	4.61E-03	8.04E-04
6487	499425.1	3733771	4.46E-03	0.00E+00	4.46E-03	7.76E-04
6488	499414.5	3733759	4.30E-03	0.00E+00	4.30E-03	7.50E-04
6489	499350.9	3733685	3.45E-03	0.00E+00	3.45E-03	6.01E-04
6490	499340.3	3733672	3.32E-03	0.00E+00	3.32E-03	5.79E-04
6491	499329.7	3733660	3.20E-03	0.00E+00	3.20E-03	5.58E-04
6492	499319.1	3733648	3.08E-03	0.00E+00	3.08E-03	5.37E-04
6493	499308.5	3733635	2.97E-03	0.00E+00	2.97E-03	5.18E-04
6494	499297.9	3733623	2.86E-03	0.00E+00	2.86E-03	4.99E-04
6495	499287.3	3733611	2.76E-03	0.00E+00	2.76E-03	4.81E-04
6496	499276.7	3733598	2.66E-03	0.00E+00	2.66E-03	4.64E-04
6497	499266.1	3733586	2.57E-03	0.00E+00	2.57E-03	4.47E-04
6498	499258.9	3733572	2.50E-03	0.00E+00	2.50E-03	4.35E-04
6499	499255.1	3733556	2.45E-03	0.00E+00	2.45E-03	4.26E-04
6500	499251.3	3733540	2.40E-03	0.00E+00	2.40E-03	4.18E-04
6501	499247.5	3733524	2.35E-03	0.00E+00	2.35E-03	4.09E-04
6502	499243.7	3733508	2.30E-03	0.00E+00	2.30E-03	4.01E-04
6503	499239.9	3733492	2.26E-03	0.00E+00	2.26E-03	3.93E-04
6504	499236.2	3733477	2.21E-03	0.00E+00	2.21E-03	3.85E-04
6505	499232.4	3733461	2.17E-03	0.00E+00	2.17E-03	3.77E-04
6506	499228.6	3733445	2.12E-03	0.00E+00	2.12E-03	3.70E-04
6507	499224.8	3733429	2.08E-03	0.00E+00	2.08E-03	3.62E-04
6508	499221	3733413	2.04E-03	0.00E+00	2.04E-03	3.55E-04
6509	499217.2	3733397	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6510	499213.4	3733381	1.96E-03	0.00E+00	1.96E-03	3.41E-04
6511	499209.6	3733366	1.92E-03	0.00E+00	1.92E-03	3.34E-04
6512	499205.8	3733350	1.88E-03	0.00E+00	1.88E-03	3.28E-04
6513	499202.1	3733334	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6514	499198.3	3733318	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6515	499194.5	3733302	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6516	499468.9	3733820	5.11E-03	0.00E+00	5.11E-03	8.91E-04
6517	499433.4	3733841	4.60E-03	0.00E+00	4.60E-03	8.01E-04
6518	499422.7	3733828	4.45E-03	0.00E+00	4.45E-03	7.76E-04
6519	499412	3733816	4.31E-03	0.00E+00	4.31E-03	7.51E-04
6520	499337.3	3733729	3.38E-03	0.00E+00	3.38E-03	5.89E-04
6521	499326.6	3733716	3.26E-03	0.00E+00	3.26E-03	5.69E-04
6522	499315.9	3733704	3.15E-03	0.00E+00	3.15E-03	5.48E-04
6523	499305.2	3733691	3.03E-03	0.00E+00	3.03E-03	5.29E-04
6524	499294.6	3733679	2.93E-03	0.00E+00	2.93E-03	5.10E-04
6525	499283.9	3733666	2.82E-03	0.00E+00	2.82E-03	4.92E-04
6526	499273.2	3733654	2.72E-03	0.00E+00	2.72E-03	4.75E-04

6527	499262.5	3733641	2.63E-03	0.00E+00	2.63E-03	4.58E-04
6528	499251.8	3733629	2.54E-03	0.00E+00	2.54E-03	4.42E-04
6529	499241.2	3733616	2.45E-03	0.00E+00	2.45E-03	4.27E-04
6530	499230.5	3733604	2.37E-03	0.00E+00	2.37E-03	4.13E-04
6531	499223.2	3733590	2.30E-03	0.00E+00	2.30E-03	4.02E-04
6532	499219.4	3733574	2.26E-03	0.00E+00	2.26E-03	3.94E-04
6533	499215.6	3733558	2.22E-03	0.00E+00	2.22E-03	3.86E-04
6534	499211.8	3733542	2.17E-03	0.00E+00	2.17E-03	3.79E-04
6535	499208	3733526	2.13E-03	0.00E+00	2.13E-03	3.72E-04
6536	499204.1	3733510	2.09E-03	0.00E+00	2.09E-03	3.64E-04
6537	499200.3	3733494	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6538	499196.5	3733478	2.01E-03	0.00E+00	2.01E-03	3.51E-04
6539	499192.7	3733462	1.97E-03	0.00E+00	1.97E-03	3.44E-04
6540	499188.9	3733446	1.94E-03	0.00E+00	1.94E-03	3.37E-04
6541	499185.1	3733430	1.90E-03	0.00E+00	1.90E-03	3.31E-04
6542	499181.2	3733414	1.86E-03	0.00E+00	1.86E-03	3.24E-04
6543	499177.4	3733398	1.83E-03	0.00E+00	1.83E-03	3.18E-04
6544	499173.6	3733382	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6545	499169.8	3733366	1.76E-03	0.00E+00	1.76E-03	3.06E-04
6546	499166	3733350	1.73E-03	0.00E+00	1.73E-03	3.01E-04
6547	499162.2	3733334	1.69E-03	0.00E+00	1.69E-03	2.95E-04
6548	499158.3	3733318	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6549	499154.5	3733302	1.63E-03	0.00E+00	1.63E-03	2.84E-04
6550	499445.4	3733852	4.76E-03	0.00E+00	4.76E-03	8.29E-04
6551	499409.9	3733873	4.30E-03	0.00E+00	4.30E-03	7.49E-04
6552	499291.7	3733735	2.99E-03	0.00E+00	2.99E-03	5.20E-04
6553	499280.9	3733723	2.88E-03	0.00E+00	2.88E-03	5.02E-04
6554	499270.1	3733710	2.78E-03	0.00E+00	2.78E-03	4.85E-04
6555	499259.4	3733698	2.69E-03	0.00E+00	2.69E-03	4.69E-04
6556	499248.6	3733685	2.60E-03	0.00E+00	2.60E-03	4.53E-04
6557	499237.9	3733672	2.51E-03	0.00E+00	2.51E-03	4.37E-04
6558	499227.1	3733660	2.43E-03	0.00E+00	2.43E-03	4.23E-04
6559	499216.4	3733647	2.34E-03	0.00E+00	2.34E-03	4.08E-04
6560	499205.6	3733635	2.27E-03	0.00E+00	2.27E-03	3.95E-04
6561	499194.9	3733622	2.19E-03	0.00E+00	2.19E-03	3.82E-04
6562	499187.6	3733608	2.14E-03	0.00E+00	2.14E-03	3.72E-04
6563	499183.7	3733592	2.10E-03	0.00E+00	2.10E-03	3.65E-04
6564	499179.9	3733576	2.06E-03	0.00E+00	2.06E-03	3.59E-04
6565	499176.1	3733560	2.02E-03	0.00E+00	2.02E-03	3.52E-04
6566	499172.2	3733544	1.98E-03	0.00E+00	1.98E-03	3.46E-04
6567	499168.4	3733527	1.95E-03	0.00E+00	1.95E-03	3.39E-04
6568	499164.5	3733511	1.91E-03	0.00E+00	1.91E-03	3.33E-04
6569	499160.7	3733495	1.88E-03	0.00E+00	1.88E-03	3.27E-04
6570	499156.8	3733479	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6571	499153	3733463	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6572	499149.2	3733447	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6573	499145.3	3733431	1.74E-03	0.00E+00	1.74E-03	3.03E-04

6574	499141.5	3733415	1.71E-03	0.00E+00	1.71E-03	2.98E-04
6575	499137.6	3733399	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6576	499133.8	3733383	1.65E-03	0.00E+00	1.65E-03	2.87E-04
6577	499129.9	3733367	1.62E-03	0.00E+00	1.62E-03	2.82E-04
6578	499126.1	3733351	1.59E-03	0.00E+00	1.59E-03	2.77E-04
6579	499122.2	3733335	1.56E-03	0.00E+00	1.56E-03	2.72E-04
6580	499118.4	3733318	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6581	499114.6	3733302	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6582	499422	3733884	4.44E-03	0.00E+00	4.44E-03	7.74E-04
6583	499249.1	3733745	2.68E-03	0.00E+00	2.68E-03	4.67E-04
6584	499238.5	3733733	2.59E-03	0.00E+00	2.59E-03	4.52E-04
6585	499227.9	3733721	2.51E-03	0.00E+00	2.51E-03	4.37E-04
6586	499217.3	3733708	2.43E-03	0.00E+00	2.43E-03	4.23E-04
6587	499206.8	3733696	2.35E-03	0.00E+00	2.35E-03	4.10E-04
6588	499196.2	3733683	2.28E-03	0.00E+00	2.28E-03	3.97E-04
6589	499185.6	3733671	2.20E-03	0.00E+00	2.20E-03	3.84E-04
6590	499175	3733659	2.14E-03	0.00E+00	2.14E-03	3.72E-04
6591	499164.4	3733646	2.07E-03	0.00E+00	2.07E-03	3.60E-04
6592	499152	3733626	1.99E-03	0.00E+00	1.99E-03	3.46E-04
6593	499148.2	3733610	1.95E-03	0.00E+00	1.95E-03	3.40E-04
6594	499144.4	3733595	1.92E-03	0.00E+00	1.92E-03	3.34E-04
6595	499140.6	3733579	1.89E-03	0.00E+00	1.89E-03	3.29E-04
6596	499136.9	3733563	1.85E-03	0.00E+00	1.85E-03	3.23E-04
6597	499133.1	3733547	1.82E-03	0.00E+00	1.82E-03	3.17E-04
6598	499129.3	3733531	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6599	499125.5	3733515	1.76E-03	0.00E+00	1.76E-03	3.06E-04
6600	499121.7	3733500	1.73E-03	0.00E+00	1.73E-03	3.01E-04
6601	499118	3733484	1.70E-03	0.00E+00	1.70E-03	2.96E-04
6602	499114.2	3733468	1.67E-03	0.00E+00	1.67E-03	2.91E-04
6603	499110.4	3733452	1.64E-03	0.00E+00	1.64E-03	2.86E-04
6604	499106.6	3733436	1.61E-03	0.00E+00	1.61E-03	2.81E-04
6605	499102.8	3733421	1.59E-03	0.00E+00	1.59E-03	2.76E-04
6606	499099	3733405	1.56E-03	0.00E+00	1.56E-03	2.72E-04
6607	499095.3	3733389	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6608	499091.5	3733373	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6609	499087.7	3733357	1.48E-03	0.00E+00	1.48E-03	2.58E-04
6610	499083.9	3733341	1.46E-03	0.00E+00	1.46E-03	2.54E-04
6611	499080.1	3733326	1.43E-03	0.00E+00	1.43E-03	2.50E-04
6612	499076.4	3733310	1.41E-03	0.00E+00	1.41E-03	2.46E-04
6613	499072.6	3733294	1.39E-03	0.00E+00	1.39E-03	2.41E-04
6614	499398.6	3733917	4.16E-03	0.00E+00	4.16E-03	7.24E-04
6615	499363.1	3733938	3.79E-03	0.00E+00	3.79E-03	6.59E-04
6616	499352.5	3733926	3.68E-03	0.00E+00	3.68E-03	6.42E-04
6617	499341.8	3733913	3.58E-03	0.00E+00	3.58E-03	6.24E-04
6618	499331.2	3733901	3.48E-03	0.00E+00	3.48E-03	6.07E-04
6619	499320.5	3733888	3.38E-03	0.00E+00	3.38E-03	5.89E-04
6620	499192.8	3733739	2.32E-03	0.00E+00	2.32E-03	4.05E-04

6621	499182.1	3733727	2.25E-03	0.00E+00	2.25E-03	3.92E-04
6622	499171.5	3733714	2.18E-03	0.00E+00	2.18E-03	3.80E-04
6623	499160.8	3733702	2.11E-03	0.00E+00	2.11E-03	3.68E-04
6624	499150.2	3733690	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6625	499139.5	3733677	1.99E-03	0.00E+00	1.99E-03	3.46E-04
6626	499128.9	3733665	1.93E-03	0.00E+00	1.93E-03	3.36E-04
6627	499116.3	3733644	1.86E-03	0.00E+00	1.86E-03	3.23E-04
6628	499112.5	3733628	1.82E-03	0.00E+00	1.82E-03	3.18E-04
6629	499108.7	3733612	1.79E-03	0.00E+00	1.79E-03	3.13E-04
6630	499104.9	3733597	1.76E-03	0.00E+00	1.76E-03	3.07E-04
6631	499101.1	3733581	1.73E-03	0.00E+00	1.73E-03	3.02E-04
6632	499097.3	3733565	1.71E-03	0.00E+00	1.71E-03	2.97E-04
6633	499093.5	3733549	1.68E-03	0.00E+00	1.68E-03	2.92E-04
6634	499089.7	3733533	1.65E-03	0.00E+00	1.65E-03	2.87E-04
6635	499085.9	3733517	1.62E-03	0.00E+00	1.62E-03	2.83E-04
6636	499082.1	3733501	1.60E-03	0.00E+00	1.60E-03	2.78E-04
6637	499078.3	3733485	1.57E-03	0.00E+00	1.57E-03	2.73E-04
6638	499074.5	3733469	1.54E-03	0.00E+00	1.54E-03	2.69E-04
6639	499070.7	3733453	1.52E-03	0.00E+00	1.52E-03	2.64E-04
6640	499066.9	3733437	1.49E-03	0.00E+00	1.49E-03	2.60E-04
6641	499063	3733421	1.47E-03	0.00E+00	1.47E-03	2.56E-04
6642	499059.2	3733405	1.45E-03	0.00E+00	1.45E-03	2.52E-04
6643	499055.4	3733390	1.42E-03	0.00E+00	1.42E-03	2.48E-04
6644	499051.6	3733374	1.40E-03	0.00E+00	1.40E-03	2.44E-04
6645	499047.8	3733358	1.38E-03	0.00E+00	1.38E-03	2.40E-04
6646	499044	3733342	1.35E-03	0.00E+00	1.35E-03	2.36E-04
6647	499040.2	3733326	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6648	499036.4	3733310	1.31E-03	0.00E+00	1.31E-03	2.28E-04
6649	499032.6	3733294	1.29E-03	0.00E+00	1.29E-03	2.25E-04
6650	499339.7	3733971	3.57E-03	0.00E+00	3.57E-03	6.21E-04
6651	499328.9	3733958	3.47E-03	0.00E+00	3.47E-03	6.05E-04
6652	499318.2	3733946	3.38E-03	0.00E+00	3.38E-03	5.89E-04
6653	499307.5	3733933	3.29E-03	0.00E+00	3.29E-03	5.73E-04
6654	499296.8	3733921	3.20E-03	0.00E+00	3.20E-03	5.57E-04
6655	499286.1	3733908	3.11E-03	0.00E+00	3.11E-03	5.42E-04
6656	499275.4	3733896	3.02E-03	0.00E+00	3.02E-03	5.26E-04
6657	499146.9	3733745	2.09E-03	0.00E+00	2.09E-03	3.65E-04
6658	499136.1	3733733	2.03E-03	0.00E+00	2.03E-03	3.54E-04
6659	499125.4	3733720	1.97E-03	0.00E+00	1.97E-03	3.43E-04
6660	499114.7	3733708	1.91E-03	0.00E+00	1.91E-03	3.33E-04
6661	499104	3733695	1.86E-03	0.00E+00	1.86E-03	3.23E-04
6662	499093.3	3733683	1.80E-03	0.00E+00	1.80E-03	3.14E-04
6663	499080.7	3733662	1.74E-03	0.00E+00	1.74E-03	3.03E-04
6664	499076.9	3733646	1.71E-03	0.00E+00	1.71E-03	2.98E-04
6665	499073	3733630	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6666	499069.2	3733614	1.65E-03	0.00E+00	1.65E-03	2.88E-04
6667	499065.4	3733598	1.63E-03	0.00E+00	1.63E-03	2.83E-04

6668	499061.5	3733582	1.60E-03	0.00E+00	1.60E-03	2.79E-04
6669	499057.7	3733566	1.58E-03	0.00E+00	1.58E-03	2.74E-04
6670	499053.9	3733550	1.55E-03	0.00E+00	1.55E-03	2.70E-04
6671	499050.1	3733534	1.53E-03	0.00E+00	1.53E-03	2.66E-04
6672	499046.2	3733518	1.50E-03	0.00E+00	1.50E-03	2.62E-04
6673	499042.4	3733502	1.48E-03	0.00E+00	1.48E-03	2.57E-04
6674	499038.6	3733486	1.45E-03	0.00E+00	1.45E-03	2.53E-04
6675	499034.7	3733470	1.43E-03	0.00E+00	1.43E-03	2.49E-04
6676	499030.9	3733454	1.41E-03	0.00E+00	1.41E-03	2.45E-04
6677	499027.1	3733438	1.39E-03	0.00E+00	1.39E-03	2.42E-04
6678	499023.3	3733422	1.36E-03	0.00E+00	1.36E-03	2.38E-04
6679	499019.4	3733406	1.34E-03	0.00E+00	1.34E-03	2.34E-04
6680	499015.6	3733390	1.32E-03	0.00E+00	1.32E-03	2.30E-04
6681	499011.8	3733374	1.30E-03	0.00E+00	1.30E-03	2.27E-04
6682	499007.9	3733358	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6683	499004.1	3733342	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6684	499000.3	3733326	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6685	498996.5	3733310	1.22E-03	0.00E+00	1.22E-03	2.13E-04
6686	498992.6	3733294	1.21E-03	0.00E+00	1.21E-03	2.10E-04
6687	499351.7	3733982	3.67E-03	0.00E+00	3.67E-03	6.39E-04
6688	499316.2	3734003	3.37E-03	0.00E+00	3.37E-03	5.86E-04
6689	499305.4	3733990	3.28E-03	0.00E+00	3.28E-03	5.72E-04
6690	499294.7	3733978	3.20E-03	0.00E+00	3.20E-03	5.57E-04
6691	499283.9	3733965	3.12E-03	0.00E+00	3.12E-03	5.43E-04
6692	499273.1	3733953	3.03E-03	0.00E+00	3.03E-03	5.28E-04
6693	499262.3	3733940	2.95E-03	0.00E+00	2.95E-03	5.14E-04
6694	499251.6	3733928	2.87E-03	0.00E+00	2.87E-03	5.00E-04
6695	499240.8	3733915	2.79E-03	0.00E+00	2.79E-03	4.86E-04
6696	499230	3733902	2.71E-03	0.00E+00	2.71E-03	4.72E-04
6697	499219.3	3733890	2.63E-03	0.00E+00	2.63E-03	4.58E-04
6698	499208.5	3733877	2.55E-03	0.00E+00	2.55E-03	4.45E-04
6699	499197.7	3733865	2.48E-03	0.00E+00	2.48E-03	4.32E-04
6700	499187	3733852	2.41E-03	0.00E+00	2.41E-03	4.19E-04
6701	499090	3733739	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6702	499079.3	3733726	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6703	499068.5	3733714	1.74E-03	0.00E+00	1.74E-03	3.03E-04
6704	499057.7	3733701	1.69E-03	0.00E+00	1.69E-03	2.94E-04
6705	499045	3733681	1.63E-03	0.00E+00	1.63E-03	2.84E-04
6706	499041.2	3733664	1.60E-03	0.00E+00	1.60E-03	2.79E-04
6707	499037.3	3733648	1.58E-03	0.00E+00	1.58E-03	2.75E-04
6708	499033.5	3733632	1.55E-03	0.00E+00	1.55E-03	2.71E-04
6709	499029.6	3733616	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6710	499025.8	3733600	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6711	499021.9	3733584	1.48E-03	0.00E+00	1.48E-03	2.58E-04
6712	499018.1	3733568	1.46E-03	0.00E+00	1.46E-03	2.54E-04
6713	499014.2	3733552	1.44E-03	0.00E+00	1.44E-03	2.50E-04
6714	499010.4	3733536	1.42E-03	0.00E+00	1.42E-03	2.47E-04

6715	499006.5	3733520	1.39E-03	0.00E+00	1.39E-03	2.43E-04
6716	499002.7	3733503	1.37E-03	0.00E+00	1.37E-03	2.39E-04
6717	498998.8	3733487	1.35E-03	0.00E+00	1.35E-03	2.36E-04
6718	498995	3733471	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6719	498991.1	3733455	1.31E-03	0.00E+00	1.31E-03	2.29E-04
6720	498987.3	3733439	1.29E-03	0.00E+00	1.29E-03	2.25E-04
6721	498983.4	3733423	1.27E-03	0.00E+00	1.27E-03	2.22E-04
6722	498979.6	3733407	1.25E-03	0.00E+00	1.25E-03	2.18E-04
6723	498975.7	3733391	1.24E-03	0.00E+00	1.24E-03	2.15E-04
6724	498971.9	3733375	1.22E-03	0.00E+00	1.22E-03	2.12E-04
6725	498968	3733358	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6726	498964.2	3733342	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6727	498960.3	3733326	1.16E-03	0.00E+00	1.16E-03	2.03E-04
6728	498956.5	3733310	1.15E-03	0.00E+00	1.15E-03	2.00E-04
6729	498952.6	3733294	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6730	499328.3	3734014	3.46E-03	0.00E+00	3.46E-03	6.03E-04
6731	499295.4	3734032	3.20E-03	0.00E+00	3.20E-03	5.58E-04
6732	499284.8	3734020	3.13E-03	0.00E+00	3.13E-03	5.45E-04
6733	499274.2	3734007	3.05E-03	0.00E+00	3.05E-03	5.32E-04
6734	499263.6	3733995	2.98E-03	0.00E+00	2.98E-03	5.19E-04
6735	499253.1	3733983	2.90E-03	0.00E+00	2.90E-03	5.06E-04
6736	499242.5	3733970	2.83E-03	0.00E+00	2.83E-03	4.93E-04
6737	499231.9	3733958	2.75E-03	0.00E+00	2.75E-03	4.80E-04
6738	499221.3	3733946	2.68E-03	0.00E+00	2.68E-03	4.67E-04
6739	499210.8	3733933	2.61E-03	0.00E+00	2.61E-03	4.54E-04
6740	499200.2	3733921	2.54E-03	0.00E+00	2.54E-03	4.42E-04
6741	499189.6	3733909	2.47E-03	0.00E+00	2.47E-03	4.30E-04
6742	499179	3733896	2.40E-03	0.00E+00	2.40E-03	4.18E-04
6743	499168.5	3733884	2.33E-03	0.00E+00	2.33E-03	4.06E-04
6744	499157.9	3733872	2.27E-03	0.00E+00	2.27E-03	3.95E-04
6745	499147.3	3733859	2.20E-03	0.00E+00	2.20E-03	3.84E-04
6746	499041.6	3733736	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6747	499031	3733723	1.62E-03	0.00E+00	1.62E-03	2.82E-04
6748	499020.4	3733711	1.57E-03	0.00E+00	1.57E-03	2.74E-04
6749	499013.3	3733697	1.54E-03	0.00E+00	1.54E-03	2.69E-04
6750	499009.5	3733681	1.52E-03	0.00E+00	1.52E-03	2.65E-04
6751	499005.7	3733665	1.50E-03	0.00E+00	1.50E-03	2.61E-04
6752	499001.9	3733649	1.48E-03	0.00E+00	1.48E-03	2.57E-04
6753	498998.1	3733634	1.45E-03	0.00E+00	1.45E-03	2.53E-04
6754	498994.4	3733618	1.43E-03	0.00E+00	1.43E-03	2.50E-04
6755	498990.6	3733602	1.41E-03	0.00E+00	1.41E-03	2.46E-04
6756	498986.8	3733586	1.39E-03	0.00E+00	1.39E-03	2.42E-04
6757	498983	3733570	1.37E-03	0.00E+00	1.37E-03	2.39E-04
6758	498979.2	3733555	1.35E-03	0.00E+00	1.35E-03	2.35E-04
6759	498975.5	3733539	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6760	498971.7	3733523	1.31E-03	0.00E+00	1.31E-03	2.29E-04
6761	498967.9	3733507	1.29E-03	0.00E+00	1.29E-03	2.25E-04

6762	498964.1	3733491	1.27E-03	0.00E+00	1.27E-03	2.22E-04
6763	498960.3	3733476	1.26E-03	0.00E+00	1.26E-03	2.19E-04
6764	498956.6	3733460	1.24E-03	0.00E+00	1.24E-03	2.16E-04
6765	498952.8	3733444	1.22E-03	0.00E+00	1.22E-03	2.13E-04
6766	498949	3733428	1.20E-03	0.00E+00	1.20E-03	2.10E-04
6767	498945.2	3733412	1.19E-03	0.00E+00	1.19E-03	2.07E-04
6768	498941.4	3733396	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6769	498937.7	3733381	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6770	498933.9	3733365	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6771	498930.1	3733349	1.12E-03	0.00E+00	1.12E-03	1.95E-04
6772	498926.3	3733333	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6773	498922.5	3733317	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6774	498918.8	3733302	1.08E-03	0.00E+00	1.08E-03	1.87E-04
6775	499307.4	3734043	3.29E-03	0.00E+00	3.29E-03	5.73E-04
6776	499274.4	3734061	3.05E-03	0.00E+00	3.05E-03	5.32E-04
6777	499263.9	3734049	2.98E-03	0.00E+00	2.98E-03	5.20E-04
6778	499253.3	3734036	2.91E-03	0.00E+00	2.91E-03	5.08E-04
6779	499242.7	3734024	2.84E-03	0.00E+00	2.84E-03	4.95E-04
6780	499232.1	3734012	2.77E-03	0.00E+00	2.77E-03	4.83E-04
6781	499221.5	3733999	2.71E-03	0.00E+00	2.71E-03	4.71E-04
6782	499210.9	3733987	2.64E-03	0.00E+00	2.64E-03	4.59E-04
6783	499200.3	3733974	2.57E-03	0.00E+00	2.57E-03	4.48E-04
6784	499189.8	3733962	2.50E-03	0.00E+00	2.50E-03	4.36E-04
6785	499179.2	3733950	2.44E-03	0.00E+00	2.44E-03	4.24E-04
6786	499168.6	3733937	2.37E-03	0.00E+00	2.37E-03	4.13E-04
6787	499158	3733925	2.31E-03	0.00E+00	2.31E-03	4.02E-04
6788	499147.4	3733913	2.24E-03	0.00E+00	2.24E-03	3.91E-04
6789	499136.8	3733900	2.18E-03	0.00E+00	2.18E-03	3.81E-04
6790	499126.2	3733888	2.12E-03	0.00E+00	2.12E-03	3.70E-04
6791	499115.6	3733876	2.07E-03	0.00E+00	2.07E-03	3.60E-04
6792	499105.1	3733863	2.01E-03	0.00E+00	2.01E-03	3.50E-04
6793	498999.2	3733740	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6794	498988.6	3733727	1.49E-03	0.00E+00	1.49E-03	2.60E-04
6795	498981.4	3733713	1.46E-03	0.00E+00	1.46E-03	2.55E-04
6796	498977.6	3733697	1.44E-03	0.00E+00	1.44E-03	2.51E-04
6797	498973.9	3733681	1.42E-03	0.00E+00	1.42E-03	2.48E-04
6798	498970.1	3733666	1.40E-03	0.00E+00	1.40E-03	2.44E-04
6799	498966.3	3733650	1.38E-03	0.00E+00	1.38E-03	2.41E-04
6800	498962.5	3733634	1.36E-03	0.00E+00	1.36E-03	2.37E-04
6801	498958.7	3733618	1.34E-03	0.00E+00	1.34E-03	2.34E-04
6802	498954.9	3733602	1.32E-03	0.00E+00	1.32E-03	2.31E-04
6803	498951.2	3733586	1.31E-03	0.00E+00	1.31E-03	2.27E-04
6804	498947.4	3733571	1.29E-03	0.00E+00	1.29E-03	2.24E-04
6805	498943.6	3733555	1.27E-03	0.00E+00	1.27E-03	2.21E-04
6806	498939.8	3733539	1.25E-03	0.00E+00	1.25E-03	2.18E-04
6807	498936	3733523	1.23E-03	0.00E+00	1.23E-03	2.15E-04
6808	498932.2	3733507	1.22E-03	0.00E+00	1.22E-03	2.12E-04

6809	498928.5	3733491	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6810	498924.7	3733476	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6811	498920.9	3733460	1.17E-03	0.00E+00	1.17E-03	2.03E-04
6812	498917.1	3733444	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6813	498913.3	3733428	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6814	498909.5	3733412	1.12E-03	0.00E+00	1.12E-03	1.95E-04
6815	498905.7	3733397	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6816	498902	3733381	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6817	498898.2	3733365	1.08E-03	0.00E+00	1.08E-03	1.87E-04
6818	498894.4	3733349	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6819	498890.6	3733333	1.05E-03	0.00E+00	1.05E-03	1.82E-04
6820	498886.8	3733317	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6821	498883	3733302	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6822	499286.4	3734072	3.13E-03	0.00E+00	3.13E-03	5.45E-04
6823	499253.5	3734090	2.91E-03	0.00E+00	2.91E-03	5.07E-04
6824	499242.9	3734078	2.85E-03	0.00E+00	2.85E-03	4.96E-04
6825	499232.3	3734065	2.78E-03	0.00E+00	2.78E-03	4.85E-04
6826	499221.7	3734053	2.72E-03	0.00E+00	2.72E-03	4.74E-04
6827	499211.1	3734040	2.66E-03	0.00E+00	2.66E-03	4.63E-04
6828	499200.5	3734028	2.59E-03	0.00E+00	2.59E-03	4.52E-04
6829	499189.9	3734016	2.53E-03	0.00E+00	2.53E-03	4.41E-04
6830	499179.3	3734003	2.47E-03	0.00E+00	2.47E-03	4.30E-04
6831	499168.7	3733991	2.40E-03	0.00E+00	2.40E-03	4.19E-04
6832	499158.1	3733979	2.34E-03	0.00E+00	2.34E-03	4.08E-04
6833	499147.5	3733966	2.28E-03	0.00E+00	2.28E-03	3.98E-04
6834	499136.9	3733954	2.22E-03	0.00E+00	2.22E-03	3.87E-04
6835	499126.4	3733941	2.16E-03	0.00E+00	2.16E-03	3.77E-04
6836	499115.8	3733929	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6837	499105.2	3733917	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6838	499094.6	3733904	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6839	499084	3733892	1.94E-03	0.00E+00	1.94E-03	3.39E-04
6840	498956.8	3733743	1.42E-03	0.00E+00	1.42E-03	2.47E-04
6841	498949.6	3733729	1.39E-03	0.00E+00	1.39E-03	2.42E-04
6842	498945.8	3733713	1.37E-03	0.00E+00	1.37E-03	2.39E-04
6843	498942	3733698	1.35E-03	0.00E+00	1.35E-03	2.36E-04
6844	498938.2	3733682	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6845	498934.5	3733666	1.31E-03	0.00E+00	1.31E-03	2.29E-04
6846	498930.7	3733650	1.30E-03	0.00E+00	1.30E-03	2.26E-04
6847	498926.9	3733634	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6848	498923.1	3733618	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6849	498919.3	3733603	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6850	498915.5	3733587	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6851	498911.7	3733571	1.21E-03	0.00E+00	1.21E-03	2.11E-04
6852	498907.9	3733555	1.20E-03	0.00E+00	1.20E-03	2.08E-04
6853	498904.2	3733539	1.18E-03	0.00E+00	1.18E-03	2.05E-04
6854	498900.4	3733523	1.16E-03	0.00E+00	1.16E-03	2.03E-04
6855	498896.6	3733507	1.15E-03	0.00E+00	1.15E-03	2.00E-04

6856	498892.8	3733492	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6857	498889	3733476	1.12E-03	0.00E+00	1.12E-03	1.95E-04
6858	498885.2	3733460	1.10E-03	0.00E+00	1.10E-03	1.92E-04
6859	498881.4	3733444	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6860	498877.6	3733428	1.07E-03	0.00E+00	1.07E-03	1.87E-04
6861	498873.9	3733412	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6862	498870.1	3733397	1.05E-03	0.00E+00	1.05E-03	1.82E-04
6863	498866.3	3733381	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6864	498862.5	3733365	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6865	498858.7	3733349	1.01E-03	0.00E+00	1.01E-03	1.75E-04
6866	498854.9	3733333	9.93E-04	0.00E+00	9.93E-04	1.73E-04
6867	498851.1	3733317	9.80E-04	0.00E+00	9.80E-04	1.71E-04
6868	498847.3	3733301	9.68E-04	0.00E+00	9.68E-04	1.69E-04
6869	499265.5	3734101	2.98E-03	0.00E+00	2.98E-03	5.20E-04
6870	499222	3734106	2.72E-03	0.00E+00	2.72E-03	4.74E-04
6871	499211.4	3734094	2.66E-03	0.00E+00	2.66E-03	4.64E-04
6872	499200.8	3734082	2.60E-03	0.00E+00	2.60E-03	4.54E-04
6873	499190.2	3734069	2.54E-03	0.00E+00	2.54E-03	4.43E-04
6874	499179.6	3734057	2.49E-03	0.00E+00	2.49E-03	4.33E-04
6875	499168.9	3734045	2.43E-03	0.00E+00	2.43E-03	4.23E-04
6876	499158.3	3734032	2.37E-03	0.00E+00	2.37E-03	4.13E-04
6877	499147.7	3734020	2.31E-03	0.00E+00	2.31E-03	4.03E-04
6878	499137.1	3734007	2.25E-03	0.00E+00	2.25E-03	3.93E-04
6879	499126.5	3733995	2.20E-03	0.00E+00	2.20E-03	3.83E-04
6880	499115.9	3733983	2.14E-03	0.00E+00	2.14E-03	3.73E-04
6881	499105.3	3733970	2.09E-03	0.00E+00	2.09E-03	3.64E-04
6882	499094.7	3733958	2.03E-03	0.00E+00	2.03E-03	3.54E-04
6883	499084.1	3733945	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6884	499073.5	3733933	1.93E-03	0.00E+00	1.93E-03	3.36E-04
6885	499062.9	3733921	1.88E-03	0.00E+00	1.88E-03	3.28E-04
6886	499052.3	3733908	1.83E-03	0.00E+00	1.83E-03	3.19E-04
6887	499041.7	3733896	1.78E-03	0.00E+00	1.78E-03	3.11E-04
6888	498917.8	3733746	1.32E-03	0.00E+00	1.32E-03	2.31E-04
6889	498914	3733730	1.31E-03	0.00E+00	1.31E-03	2.27E-04
6890	498910.2	3733714	1.29E-03	0.00E+00	1.29E-03	2.24E-04
6891	498906.4	3733698	1.27E-03	0.00E+00	1.27E-03	2.21E-04
6892	498902.6	3733682	1.25E-03	0.00E+00	1.25E-03	2.18E-04
6893	498898.8	3733666	1.24E-03	0.00E+00	1.24E-03	2.16E-04
6894	498895	3733650	1.22E-03	0.00E+00	1.22E-03	2.13E-04
6895	498891.2	3733635	1.20E-03	0.00E+00	1.20E-03	2.10E-04
6896	498887.5	3733619	1.19E-03	0.00E+00	1.19E-03	2.07E-04
6897	498883.7	3733603	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6898	498879.9	3733587	1.16E-03	0.00E+00	1.16E-03	2.02E-04
6899	498876.1	3733571	1.14E-03	0.00E+00	1.14E-03	1.99E-04
6900	498872.3	3733555	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6901	498868.5	3733539	1.11E-03	0.00E+00	1.11E-03	1.94E-04
6902	498864.7	3733523	1.10E-03	0.00E+00	1.10E-03	1.92E-04

6903	498860.9	3733508	1.09E-03	0.00E+00	1.09E-03	1.89E-04
6904	498857.1	3733492	1.07E-03	0.00E+00	1.07E-03	1.87E-04
6905	498853.3	3733476	1.06E-03	0.00E+00	1.06E-03	1.84E-04
6906	498849.5	3733460	1.04E-03	0.00E+00	1.04E-03	1.82E-04
6907	498845.8	3733444	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6908	498842	3733428	1.02E-03	0.00E+00	1.02E-03	1.77E-04
6909	498838.2	3733412	1.01E-03	0.00E+00	1.01E-03	1.75E-04
6910	498834.4	3733397	9.93E-04	0.00E+00	9.93E-04	1.73E-04
6911	498830.6	3733381	9.80E-04	0.00E+00	9.80E-04	1.71E-04
6912	498826.8	3733365	9.68E-04	0.00E+00	9.68E-04	1.69E-04
6913	498823	3733349	9.56E-04	0.00E+00	9.56E-04	1.67E-04
6914	498819.2	3733333	9.44E-04	0.00E+00	9.44E-04	1.64E-04
6915	498815.4	3733317	9.32E-04	0.00E+00	9.32E-04	1.62E-04
6916	498811.6	3733301	9.20E-04	0.00E+00	9.20E-04	1.60E-04
6917	499179.8	3734111	2.50E-03	0.00E+00	2.50E-03	4.35E-04
6918	499169.2	3734098	2.44E-03	0.00E+00	2.44E-03	4.25E-04
6919	499158.6	3734086	2.39E-03	0.00E+00	2.39E-03	4.16E-04
6920	499148	3734073	2.33E-03	0.00E+00	2.33E-03	4.06E-04
6921	499137.3	3734061	2.28E-03	0.00E+00	2.28E-03	3.97E-04
6922	499126.7	3734049	2.22E-03	0.00E+00	2.22E-03	3.87E-04
6923	499116.1	3734036	2.17E-03	0.00E+00	2.17E-03	3.78E-04
6924	499105.5	3734024	2.12E-03	0.00E+00	2.12E-03	3.69E-04
6925	499094.9	3734011	2.07E-03	0.00E+00	2.07E-03	3.60E-04
6926	499084.3	3733999	2.01E-03	0.00E+00	2.01E-03	3.51E-04
6927	499073.6	3733987	1.96E-03	0.00E+00	1.96E-03	3.42E-04
6928	499063	3733974	1.92E-03	0.00E+00	1.92E-03	3.34E-04
6929	499052.4	3733962	1.87E-03	0.00E+00	1.87E-03	3.25E-04
6930	499041.8	3733949	1.82E-03	0.00E+00	1.82E-03	3.17E-04
6931	499031.2	3733937	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6932	499020.6	3733925	1.73E-03	0.00E+00	1.73E-03	3.01E-04
6933	499010	3733912	1.69E-03	0.00E+00	1.69E-03	2.94E-04
6934	498999.3	3733900	1.64E-03	0.00E+00	1.64E-03	2.86E-04
6935	498882.2	3733746	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6936	498878.4	3733730	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6937	498874.6	3733714	1.21E-03	0.00E+00	1.21E-03	2.11E-04
6938	498870.8	3733698	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6939	498867	3733682	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6940	498863.2	3733666	1.17E-03	0.00E+00	1.17E-03	2.03E-04
6941	498859.4	3733651	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6942	498855.6	3733635	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6943	498851.8	3733619	1.12E-03	0.00E+00	1.12E-03	1.96E-04
6944	498848	3733603	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6945	498844.2	3733587	1.09E-03	0.00E+00	1.09E-03	1.91E-04
6946	498840.4	3733571	1.08E-03	0.00E+00	1.08E-03	1.88E-04
6947	498836.6	3733555	1.07E-03	0.00E+00	1.07E-03	1.86E-04
6948	498832.8	3733540	1.05E-03	0.00E+00	1.05E-03	1.84E-04
6949	498829	3733524	1.04E-03	0.00E+00	1.04E-03	1.81E-04

6950	498825.3	3733508	1.03E-03	0.00E+00	1.03E-03	1.79E-04
6951	498821.5	3733492	1.02E-03	0.00E+00	1.02E-03	1.77E-04
6952	498817.7	3733476	1.00E-03	0.00E+00	1.00E-03	1.75E-04
6953	498813.9	3733460	9.91E-04	0.00E+00	9.91E-04	1.73E-04
6954	498810.1	3733444	9.79E-04	0.00E+00	9.79E-04	1.71E-04
6955	498806.3	3733428	9.67E-04	0.00E+00	9.67E-04	1.68E-04
6956	498802.5	3733413	9.55E-04	0.00E+00	9.55E-04	1.66E-04
6957	498798.7	3733397	9.43E-04	0.00E+00	9.43E-04	1.64E-04
6958	498794.9	3733381	9.32E-04	0.00E+00	9.32E-04	1.62E-04
6959	498791.1	3733365	9.20E-04	0.00E+00	9.20E-04	1.60E-04
6960	498787.3	3733349	9.09E-04	0.00E+00	9.09E-04	1.58E-04
6961	498783.5	3733333	8.98E-04	0.00E+00	8.98E-04	1.56E-04
6962	498779.7	3733317	8.87E-04	0.00E+00	8.87E-04	1.55E-04
6963	498775.9	3733301	8.76E-04	0.00E+00	8.76E-04	1.53E-04
6964	499190.7	3734177	2.55E-03	0.00E+00	2.55E-03	4.44E-04
6965	499180.1	3734164	2.50E-03	0.00E+00	2.50E-03	4.35E-04
6966	499127	3734102	2.24E-03	0.00E+00	2.24E-03	3.91E-04
6967	499116.4	3734090	2.19E-03	0.00E+00	2.19E-03	3.82E-04
6968	499105.7	3734077	2.14E-03	0.00E+00	2.14E-03	3.73E-04
6969	499095.1	3734065	2.09E-03	0.00E+00	2.09E-03	3.65E-04
6970	499084.5	3734053	2.04E-03	0.00E+00	2.04E-03	3.56E-04
6971	499073.9	3734040	1.99E-03	0.00E+00	1.99E-03	3.47E-04
6972	499063.2	3734028	1.95E-03	0.00E+00	1.95E-03	3.39E-04
6973	499052.6	3734015	1.90E-03	0.00E+00	1.90E-03	3.31E-04
6974	499042	3734003	1.85E-03	0.00E+00	1.85E-03	3.23E-04
6975	499031.4	3733991	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6976	499020.7	3733978	1.76E-03	0.00E+00	1.76E-03	3.07E-04
6977	499010.1	3733966	1.72E-03	0.00E+00	1.72E-03	3.00E-04
6978	498999.5	3733953	1.68E-03	0.00E+00	1.68E-03	2.92E-04
6979	498988.9	3733941	1.64E-03	0.00E+00	1.64E-03	2.85E-04
6980	498978.2	3733929	1.60E-03	0.00E+00	1.60E-03	2.78E-04
6981	498967.6	3733916	1.56E-03	0.00E+00	1.56E-03	2.71E-04
6982	498957	3733904	1.52E-03	0.00E+00	1.52E-03	2.65E-04
6983	498846.6	3733746	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6984	498842.8	3733730	1.16E-03	0.00E+00	1.16E-03	2.02E-04
6985	498839	3733714	1.14E-03	0.00E+00	1.14E-03	1.99E-04
6986	498835.2	3733699	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6987	498831.4	3733683	1.12E-03	0.00E+00	1.12E-03	1.94E-04
6988	498827.6	3733667	1.10E-03	0.00E+00	1.10E-03	1.92E-04
6989	498823.8	3733651	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6990	498820	3733635	1.08E-03	0.00E+00	1.08E-03	1.87E-04
6991	498816.2	3733619	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6992	498812.4	3733603	1.05E-03	0.00E+00	1.05E-03	1.83E-04
6993	498808.6	3733587	1.04E-03	0.00E+00	1.04E-03	1.81E-04
6994	498804.8	3733571	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6995	498801	3733556	1.01E-03	0.00E+00	1.01E-03	1.76E-04
6996	498797.2	3733540	1.00E-03	0.00E+00	1.00E-03	1.74E-04

6997	498793.4	3733524	9.88E-04	0.00E+00	9.88E-04	1.72E-04
6998	498789.6	3733508	9.76E-04	0.00E+00	9.76E-04	1.70E-04
6999	498785.8	3733492	9.64E-04	0.00E+00	9.64E-04	1.68E-04
7000	498782	3733476	9.53E-04	0.00E+00	9.53E-04	1.66E-04
7001	498778.2	3733460	9.41E-04	0.00E+00	9.41E-04	1.64E-04
7002	498774.4	3733444	9.30E-04	0.00E+00	9.30E-04	1.62E-04
7003	498770.6	3733428	9.19E-04	0.00E+00	9.19E-04	1.60E-04
7004	498766.8	3733413	9.08E-04	0.00E+00	9.08E-04	1.58E-04
7005	498763	3733397	8.98E-04	0.00E+00	8.98E-04	1.56E-04
7006	498759.2	3733381	8.87E-04	0.00E+00	8.87E-04	1.55E-04
7007	498755.4	3733365	8.77E-04	0.00E+00	8.77E-04	1.53E-04
7008	498751.6	3733349	8.66E-04	0.00E+00	8.66E-04	1.51E-04
7009	498747.8	3733333	8.56E-04	0.00E+00	8.56E-04	1.49E-04
7010	498744	3733317	8.46E-04	0.00E+00	8.46E-04	1.47E-04
7011	498740.2	3733301	8.36E-04	0.00E+00	8.36E-04	1.46E-04
7012	499202.8	3734188	2.61E-03	0.00E+00	2.61E-03	4.54E-04
7013	499169.8	3734206	2.44E-03	0.00E+00	2.44E-03	4.26E-04
7014	499159.2	3734193	2.40E-03	0.00E+00	2.40E-03	4.18E-04
7015	499148.5	3734181	2.35E-03	0.00E+00	2.35E-03	4.09E-04
7016	499137.9	3734168	2.30E-03	0.00E+00	2.30E-03	4.01E-04
7017	499127.3	3734156	2.25E-03	0.00E+00	2.25E-03	3.93E-04
7018	499063.5	3734082	1.97E-03	0.00E+00	1.97E-03	3.44E-04
7019	499052.8	3734069	1.93E-03	0.00E+00	1.93E-03	3.36E-04
7020	499042.2	3734057	1.88E-03	0.00E+00	1.88E-03	3.28E-04
7021	499031.6	3734044	1.84E-03	0.00E+00	1.84E-03	3.20E-04
7022	499020.9	3734032	1.79E-03	0.00E+00	1.79E-03	3.12E-04
7023	499010.3	3734019	1.75E-03	0.00E+00	1.75E-03	3.05E-04
7024	498999.7	3734007	1.71E-03	0.00E+00	1.71E-03	2.98E-04
7025	498989	3733995	1.67E-03	0.00E+00	1.67E-03	2.91E-04
7026	498978.4	3733982	1.63E-03	0.00E+00	1.63E-03	2.84E-04
7027	498967.8	3733970	1.59E-03	0.00E+00	1.59E-03	2.77E-04
7028	498957.1	3733957	1.55E-03	0.00E+00	1.55E-03	2.70E-04
7029	498946.5	3733945	1.51E-03	0.00E+00	1.51E-03	2.64E-04
7030	498935.9	3733932	1.48E-03	0.00E+00	1.48E-03	2.57E-04
7031	498810.9	3733746	1.11E-03	0.00E+00	1.11E-03	1.93E-04
7032	498807.1	3733731	1.10E-03	0.00E+00	1.10E-03	1.91E-04
7033	498803.3	3733715	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7034	498799.5	3733699	1.07E-03	0.00E+00	1.07E-03	1.86E-04
7035	498795.7	3733683	1.06E-03	0.00E+00	1.06E-03	1.84E-04
7036	498791.9	3733667	1.04E-03	0.00E+00	1.04E-03	1.82E-04
7037	498788.1	3733651	1.03E-03	0.00E+00	1.03E-03	1.80E-04
7038	498784.3	3733635	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7039	498780.5	3733619	1.01E-03	0.00E+00	1.01E-03	1.75E-04
7040	498776.7	3733603	9.95E-04	0.00E+00	9.95E-04	1.73E-04
7041	498772.9	3733587	9.83E-04	0.00E+00	9.83E-04	1.71E-04
7042	498769.1	3733572	9.72E-04	0.00E+00	9.72E-04	1.69E-04
7043	498765.3	3733556	9.60E-04	0.00E+00	9.60E-04	1.67E-04

7044	498761.5	3733540	9.49E-04	0.00E+00	9.49E-04	1.65E-04
7045	498757.7	3733524	9.38E-04	0.00E+00	9.38E-04	1.63E-04
7046	498753.9	3733508	9.28E-04	0.00E+00	9.28E-04	1.62E-04
7047	498750.1	3733492	9.17E-04	0.00E+00	9.17E-04	1.60E-04
7048	498746.3	3733476	9.06E-04	0.00E+00	9.06E-04	1.58E-04
7049	498742.5	3733460	8.96E-04	0.00E+00	8.96E-04	1.56E-04
7050	498738.7	3733444	8.86E-04	0.00E+00	8.86E-04	1.54E-04
7051	498734.9	3733428	8.76E-04	0.00E+00	8.76E-04	1.53E-04
7052	498731.1	3733413	8.66E-04	0.00E+00	8.66E-04	1.51E-04
7053	498727.3	3733397	8.56E-04	0.00E+00	8.56E-04	1.49E-04
7054	498723.5	3733381	8.46E-04	0.00E+00	8.46E-04	1.47E-04
7055	498719.7	3733365	8.36E-04	0.00E+00	8.36E-04	1.46E-04
7056	498715.9	3733349	8.27E-04	0.00E+00	8.27E-04	1.44E-04
7057	498712.1	3733333	8.17E-04	0.00E+00	8.17E-04	1.42E-04
7058	498708.3	3733317	8.08E-04	0.00E+00	8.08E-04	1.41E-04
7059	498704.5	3733301	7.98E-04	0.00E+00	7.98E-04	1.39E-04
7060	499181.8	3734217	2.50E-03	0.00E+00	2.50E-03	4.35E-04
7061	499599.9	3733540	8.08E-03	0.00E+00	8.08E-03	1.41E-03
7062	499569.9	3733540	7.05E-03	0.00E+00	7.05E-03	1.23E-03
7063	499322.2	3733285	2.37E-03	0.00E+00	2.37E-03	4.13E-04
7064	499322.1	3733294	2.39E-03	0.00E+00	2.39E-03	4.16E-04
7065	499321.4	3733372	2.55E-03	0.00E+00	2.55E-03	4.44E-04
7066	499321.3	3733382	2.57E-03	0.00E+00	2.57E-03	4.47E-04
7067	499321.3	3733392	2.59E-03	0.00E+00	2.59E-03	4.51E-04
7068	499321.2	3733401	2.61E-03	0.00E+00	2.61E-03	4.54E-04
7069	499321.1	3733411	2.63E-03	0.00E+00	2.63E-03	4.58E-04
7070	499321	3733421	2.65E-03	0.00E+00	2.65E-03	4.61E-04
7071	499320.9	3733431	2.67E-03	0.00E+00	2.67E-03	4.65E-04
7072	499320.8	3733440	2.69E-03	0.00E+00	2.69E-03	4.68E-04
7073	499320.7	3733450	2.71E-03	0.00E+00	2.71E-03	4.72E-04
7074	499320.6	3733460	2.73E-03	0.00E+00	2.73E-03	4.75E-04
7075	499320	3733528	2.87E-03	0.00E+00	2.87E-03	4.99E-04
7076	499319.9	3733538	2.88E-03	0.00E+00	2.88E-03	5.02E-04
7077	499282.2	3733284	2.14E-03	0.00E+00	2.14E-03	3.73E-04
7078	499282.2	3733294	2.16E-03	0.00E+00	2.16E-03	3.76E-04
7079	499281.4	3733372	2.29E-03	0.00E+00	2.29E-03	3.99E-04
7080	499281.3	3733382	2.31E-03	0.00E+00	2.31E-03	4.02E-04
7081	499281.3	3733391	2.33E-03	0.00E+00	2.33E-03	4.05E-04
7082	499281.2	3733401	2.34E-03	0.00E+00	2.34E-03	4.08E-04
7083	499281.1	3733411	2.36E-03	0.00E+00	2.36E-03	4.11E-04
7084	499281	3733421	2.38E-03	0.00E+00	2.38E-03	4.14E-04
7085	499280.9	3733430	2.39E-03	0.00E+00	2.39E-03	4.17E-04
7086	499280.8	3733440	2.41E-03	0.00E+00	2.41E-03	4.20E-04
7087	499280.7	3733450	2.43E-03	0.00E+00	2.43E-03	4.23E-04
7088	499279.9	3733537	2.58E-03	0.00E+00	2.58E-03	4.49E-04
7089	499242.2	3733284	1.95E-03	0.00E+00	1.95E-03	3.39E-04
7090	499242.2	3733294	1.96E-03	0.00E+00	1.96E-03	3.41E-04

7091	499241.4	3733372	2.08E-03	0.00E+00	2.08E-03	3.62E-04
7092	499241.3	3733381	2.09E-03	0.00E+00	2.09E-03	3.64E-04
7093	499241.3	3733391	2.10E-03	0.00E+00	2.10E-03	3.67E-04
7094	499241.2	3733401	2.12E-03	0.00E+00	2.12E-03	3.69E-04
7095	499241.1	3733410	2.13E-03	0.00E+00	2.13E-03	3.72E-04
7096	499241	3733420	2.15E-03	0.00E+00	2.15E-03	3.74E-04
7097	499240.9	3733430	2.16E-03	0.00E+00	2.16E-03	3.77E-04
7098	499240.8	3733440	2.18E-03	0.00E+00	2.18E-03	3.79E-04
7099	499240.7	3733449	2.19E-03	0.00E+00	2.19E-03	3.82E-04
7100	499240.1	3733518	2.30E-03	0.00E+00	2.30E-03	4.00E-04
7101	499239.9	3733537	2.32E-03	0.00E+00	2.32E-03	4.05E-04
7102	499202.2	3733284	1.78E-03	0.00E+00	1.78E-03	3.10E-04
7103	499202.2	3733293	1.79E-03	0.00E+00	1.79E-03	3.12E-04
7104	499201.5	3733361	1.88E-03	0.00E+00	1.88E-03	3.27E-04
7105	499201.4	3733371	1.89E-03	0.00E+00	1.89E-03	3.30E-04
7106	499201.4	3733381	1.90E-03	0.00E+00	1.90E-03	3.32E-04
7107	499201.3	3733391	1.92E-03	0.00E+00	1.92E-03	3.34E-04
7108	499201.2	3733400	1.93E-03	0.00E+00	1.93E-03	3.36E-04
7109	499201.1	3733410	1.94E-03	0.00E+00	1.94E-03	3.38E-04
7110	499201	3733420	1.95E-03	0.00E+00	1.95E-03	3.41E-04
7111	499200.9	3733430	1.97E-03	0.00E+00	1.97E-03	3.43E-04
7112	499200.8	3733439	1.98E-03	0.00E+00	1.98E-03	3.45E-04
7113	499200.7	3733449	1.99E-03	0.00E+00	1.99E-03	3.47E-04
7114	499200.5	3733469	2.02E-03	0.00E+00	2.02E-03	3.52E-04
7115	499199.9	3733537	2.11E-03	0.00E+00	2.11E-03	3.67E-04
7116	499162.2	3733283	1.64E-03	0.00E+00	1.64E-03	2.85E-04
7117	499162.2	3733293	1.65E-03	0.00E+00	1.65E-03	2.87E-04
7118	499161.5	3733361	1.72E-03	0.00E+00	1.72E-03	3.00E-04
7119	499161.4	3733371	1.73E-03	0.00E+00	1.73E-03	3.02E-04
7120	499161.4	3733381	1.74E-03	0.00E+00	1.74E-03	3.04E-04
7121	499161.3	3733390	1.75E-03	0.00E+00	1.75E-03	3.06E-04
7122	499161.2	3733400	1.77E-03	0.00E+00	1.77E-03	3.08E-04
7123	499161.1	3733410	1.78E-03	0.00E+00	1.78E-03	3.10E-04
7124	499161	3733419	1.79E-03	0.00E+00	1.79E-03	3.12E-04
7125	499160.9	3733429	1.80E-03	0.00E+00	1.80E-03	3.13E-04
7126	499160.8	3733439	1.81E-03	0.00E+00	1.81E-03	3.15E-04
7127	499160.7	3733449	1.82E-03	0.00E+00	1.82E-03	3.17E-04
7128	499160.5	3733468	1.84E-03	0.00E+00	1.84E-03	3.21E-04
7129	499159.9	3733536	1.92E-03	0.00E+00	1.92E-03	3.35E-04
7130	499122.2	3733283	1.51E-03	0.00E+00	1.51E-03	2.63E-04
7131	499122.2	3733293	1.52E-03	0.00E+00	1.52E-03	2.65E-04
7132	499121.5	3733361	1.59E-03	0.00E+00	1.59E-03	2.76E-04
7133	499121.4	3733370	1.60E-03	0.00E+00	1.60E-03	2.78E-04
7134	499121.4	3733380	1.61E-03	0.00E+00	1.61E-03	2.80E-04
7135	499121.3	3733390	1.61E-03	0.00E+00	1.61E-03	2.81E-04
7136	499121.2	3733400	1.62E-03	0.00E+00	1.62E-03	2.83E-04
7137	499121.1	3733409	1.63E-03	0.00E+00	1.63E-03	2.85E-04

7138	499121	3733419	1.64E-03	0.00E+00	1.64E-03	2.86E-04
7139	499120.9	3733429	1.65E-03	0.00E+00	1.65E-03	2.88E-04
7140	499120.8	3733439	1.66E-03	0.00E+00	1.66E-03	2.90E-04
7141	499120.7	3733448	1.67E-03	0.00E+00	1.67E-03	2.91E-04
7142	499120.6	3733458	1.68E-03	0.00E+00	1.68E-03	2.93E-04
7143	499120	3733526	1.75E-03	0.00E+00	1.75E-03	3.05E-04
7144	499119.9	3733536	1.76E-03	0.00E+00	1.76E-03	3.07E-04
7145	499082.2	3733282	1.40E-03	0.00E+00	1.40E-03	2.44E-04
7146	499082.2	3733292	1.41E-03	0.00E+00	1.41E-03	2.45E-04
7147	499082.1	3733302	1.42E-03	0.00E+00	1.42E-03	2.47E-04
7148	499081.6	3733351	1.46E-03	0.00E+00	1.46E-03	2.54E-04
7149	499081.4	3733370	1.48E-03	0.00E+00	1.48E-03	2.57E-04
7150	499081.4	3733380	1.48E-03	0.00E+00	1.48E-03	2.59E-04
7151	499081.3	3733390	1.49E-03	0.00E+00	1.49E-03	2.60E-04
7152	499081.2	3733399	1.50E-03	0.00E+00	1.50E-03	2.62E-04
7153	499081.1	3733409	1.51E-03	0.00E+00	1.51E-03	2.63E-04
7154	499081	3733419	1.52E-03	0.00E+00	1.52E-03	2.64E-04
7155	499080.9	3733428	1.53E-03	0.00E+00	1.53E-03	2.66E-04
7156	499080.8	3733438	1.53E-03	0.00E+00	1.53E-03	2.67E-04
7157	499080.7	3733448	1.54E-03	0.00E+00	1.54E-03	2.69E-04
7158	499080.6	3733458	1.55E-03	0.00E+00	1.55E-03	2.70E-04
7159	499080	3733526	1.61E-03	0.00E+00	1.61E-03	2.81E-04
7160	499079.9	3733536	1.62E-03	0.00E+00	1.62E-03	2.82E-04
7161	499042.2	3733282	1.30E-03	0.00E+00	1.30E-03	2.27E-04
7162	499042.2	3733292	1.31E-03	0.00E+00	1.31E-03	2.28E-04
7163	499042.1	3733302	1.32E-03	0.00E+00	1.32E-03	2.30E-04
7164	499041.4	3733370	1.37E-03	0.00E+00	1.37E-03	2.39E-04
7165	499041.4	3733379	1.38E-03	0.00E+00	1.38E-03	2.40E-04
7166	499041.3	3733389	1.38E-03	0.00E+00	1.38E-03	2.41E-04
7167	499041.2	3733399	1.39E-03	0.00E+00	1.39E-03	2.43E-04
7168	499041.1	3733409	1.40E-03	0.00E+00	1.40E-03	2.44E-04
7169	499041	3733418	1.41E-03	0.00E+00	1.41E-03	2.45E-04
7170	499040.9	3733428	1.41E-03	0.00E+00	1.41E-03	2.46E-04
7171	499040.8	3733438	1.42E-03	0.00E+00	1.42E-03	2.48E-04
7172	499040.7	3733448	1.43E-03	0.00E+00	1.43E-03	2.49E-04
7173	499040.6	3733457	1.44E-03	0.00E+00	1.44E-03	2.50E-04
7174	499040	3733525	1.49E-03	0.00E+00	1.49E-03	2.59E-04
7175	499039.9	3733535	1.50E-03	0.00E+00	1.50E-03	2.61E-04
7176	499002.3	3733282	1.22E-03	0.00E+00	1.22E-03	2.12E-04
7177	499002.2	3733291	1.22E-03	0.00E+00	1.22E-03	2.13E-04
7178	499002.1	3733301	1.23E-03	0.00E+00	1.23E-03	2.14E-04
7179	499001.4	3733369	1.28E-03	0.00E+00	1.28E-03	2.22E-04
7180	499001.4	3733379	1.28E-03	0.00E+00	1.28E-03	2.23E-04
7181	499001.3	3733389	1.29E-03	0.00E+00	1.29E-03	2.25E-04
7182	499001.2	3733399	1.30E-03	0.00E+00	1.30E-03	2.26E-04
7183	499001.1	3733408	1.30E-03	0.00E+00	1.30E-03	2.27E-04
7184	499001	3733418	1.31E-03	0.00E+00	1.31E-03	2.28E-04

7185	499000.9	3733428	1.32E-03	0.00E+00	1.32E-03	2.29E-04
7186	499000.8	3733437	1.32E-03	0.00E+00	1.32E-03	2.30E-04
7187	499000.7	3733447	1.33E-03	0.00E+00	1.33E-03	2.31E-04
7188	499000.6	3733457	1.34E-03	0.00E+00	1.34E-03	2.33E-04
7189	498999.9	3733535	1.39E-03	0.00E+00	1.39E-03	2.42E-04
7190	498962.3	3733281	1.14E-03	0.00E+00	1.14E-03	1.98E-04
7191	498962.2	3733291	1.15E-03	0.00E+00	1.15E-03	2.00E-04
7192	498962.1	3733301	1.15E-03	0.00E+00	1.15E-03	2.01E-04
7193	498961.4	3733369	1.19E-03	0.00E+00	1.19E-03	2.08E-04
7194	498961.4	3733379	1.20E-03	0.00E+00	1.20E-03	2.09E-04
7195	498961.3	3733388	1.20E-03	0.00E+00	1.20E-03	2.10E-04
7196	498961.2	3733398	1.21E-03	0.00E+00	1.21E-03	2.11E-04
7197	498961.1	3733408	1.22E-03	0.00E+00	1.22E-03	2.12E-04
7198	498961	3733418	1.22E-03	0.00E+00	1.22E-03	2.13E-04
7199	498960.9	3733427	1.23E-03	0.00E+00	1.23E-03	2.14E-04
7200	498960.8	3733437	1.23E-03	0.00E+00	1.23E-03	2.15E-04
7201	498960.1	3733515	1.28E-03	0.00E+00	1.28E-03	2.23E-04
7202	498960	3733525	1.29E-03	0.00E+00	1.29E-03	2.24E-04
7203	498959.9	3733534	1.29E-03	0.00E+00	1.29E-03	2.25E-04
7204	498926.5	3733281	1.08E-03	0.00E+00	1.08E-03	1.88E-04
7205	498926.5	3733291	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7206	498925.8	3733359	1.12E-03	0.00E+00	1.12E-03	1.95E-04
7207	498925.6	3733378	1.13E-03	0.00E+00	1.13E-03	1.97E-04
7208	498925.6	3733388	1.14E-03	0.00E+00	1.14E-03	1.98E-04
7209	498925.5	3733398	1.14E-03	0.00E+00	1.14E-03	1.99E-04
7210	498925.4	3733408	1.15E-03	0.00E+00	1.15E-03	2.00E-04
7211	498925.3	3733417	1.15E-03	0.00E+00	1.15E-03	2.01E-04
7212	498925.2	3733427	1.16E-03	0.00E+00	1.16E-03	2.02E-04
7213	498925.1	3733437	1.16E-03	0.00E+00	1.16E-03	2.03E-04
7214	498924.4	3733515	1.21E-03	0.00E+00	1.21E-03	2.10E-04
7215	498924.3	3733524	1.21E-03	0.00E+00	1.21E-03	2.11E-04
7216	498924.2	3733534	1.22E-03	0.00E+00	1.22E-03	2.12E-04
7217	498890.8	3733281	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7218	498890.7	3733290	1.03E-03	0.00E+00	1.03E-03	1.79E-04
7219	498890.1	3733359	1.06E-03	0.00E+00	1.06E-03	1.85E-04
7220	498889.9	3733378	1.07E-03	0.00E+00	1.07E-03	1.86E-04
7221	498889.8	3733388	1.07E-03	0.00E+00	1.07E-03	1.87E-04
7222	498889.8	3733398	1.08E-03	0.00E+00	1.08E-03	1.88E-04
7223	498889.7	3733407	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7224	498889.6	3733417	1.09E-03	0.00E+00	1.09E-03	1.90E-04
7225	498889.5	3733427	1.09E-03	0.00E+00	1.09E-03	1.91E-04
7226	498889.4	3733436	1.10E-03	0.00E+00	1.10E-03	1.91E-04
7227	498888.7	3733514	1.14E-03	0.00E+00	1.14E-03	1.98E-04
7228	498888.6	3733524	1.14E-03	0.00E+00	1.14E-03	1.99E-04
7229	498888.5	3733534	1.15E-03	0.00E+00	1.15E-03	2.00E-04
7230	498855.1	3733280	9.68E-04	0.00E+00	9.68E-04	1.69E-04
7231	498855	3733290	9.73E-04	0.00E+00	9.73E-04	1.69E-04

7232	498854.4	3733358	1.00E-03	0.00E+00	1.00E-03	1.75E-04
7233	498854.2	3733378	1.01E-03	0.00E+00	1.01E-03	1.77E-04
7234	498854.1	3733387	1.02E-03	0.00E+00	1.02E-03	1.77E-04
7235	498854	3733397	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7236	498854	3733407	1.03E-03	0.00E+00	1.03E-03	1.79E-04
7237	498853.9	3733417	1.03E-03	0.00E+00	1.03E-03	1.80E-04
7238	498853.8	3733426	1.04E-03	0.00E+00	1.04E-03	1.80E-04
7239	498853.7	3733436	1.04E-03	0.00E+00	1.04E-03	1.81E-04
7240	498853	3733514	1.08E-03	0.00E+00	1.08E-03	1.87E-04
7241	498852.9	3733524	1.08E-03	0.00E+00	1.08E-03	1.88E-04
7242	498852.8	3733534	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7243	498819.4	3733280	9.21E-04	0.00E+00	9.21E-04	1.60E-04
7244	498819.3	3733290	9.25E-04	0.00E+00	9.25E-04	1.61E-04
7245	498818.7	3733358	9.54E-04	0.00E+00	9.54E-04	1.66E-04
7246	498818.5	3733377	9.62E-04	0.00E+00	9.62E-04	1.68E-04
7247	498818.4	3733387	9.66E-04	0.00E+00	9.66E-04	1.68E-04
7248	498818.3	3733397	9.70E-04	0.00E+00	9.70E-04	1.69E-04
7249	498818.2	3733407	9.74E-04	0.00E+00	9.74E-04	1.70E-04
7250	498818.2	3733416	9.78E-04	0.00E+00	9.78E-04	1.70E-04
7251	498818.1	3733426	9.82E-04	0.00E+00	9.82E-04	1.71E-04
7252	498818	3733436	9.86E-04	0.00E+00	9.86E-04	1.72E-04
7253	498817.3	3733514	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7254	498817.2	3733523	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7255	498817.1	3733533	1.03E-03	0.00E+00	1.03E-03	1.79E-04
7256	498783.7	3733280	8.77E-04	0.00E+00	8.77E-04	1.53E-04
7257	498783.6	3733289	8.81E-04	0.00E+00	8.81E-04	1.53E-04
7258	498783.4	3733309	8.88E-04	0.00E+00	8.88E-04	1.55E-04
7259	498783	3733358	9.07E-04	0.00E+00	9.07E-04	1.58E-04
7260	498782.8	3733377	9.15E-04	0.00E+00	9.15E-04	1.59E-04
7261	498782.7	3733387	9.19E-04	0.00E+00	9.19E-04	1.60E-04
7262	498782.6	3733397	9.22E-04	0.00E+00	9.22E-04	1.61E-04
7263	498782.5	3733406	9.26E-04	0.00E+00	9.26E-04	1.61E-04
7264	498782.4	3733416	9.30E-04	0.00E+00	9.30E-04	1.62E-04
7265	498782.4	3733426	9.34E-04	0.00E+00	9.34E-04	1.63E-04
7266	498782.3	3733435	9.37E-04	0.00E+00	9.37E-04	1.63E-04
7267	498781.5	3733513	9.67E-04	0.00E+00	9.67E-04	1.68E-04
7268	498781.5	3733523	9.71E-04	0.00E+00	9.71E-04	1.69E-04
7269	498781.4	3733533	9.74E-04	0.00E+00	9.74E-04	1.70E-04
7270	498748	3733279	8.36E-04	0.00E+00	8.36E-04	1.46E-04
7271	498747.9	3733289	8.40E-04	0.00E+00	8.40E-04	1.46E-04
7272	498747.7	3733309	8.47E-04	0.00E+00	8.47E-04	1.48E-04
7273	498747.3	3733357	8.64E-04	0.00E+00	8.64E-04	1.51E-04
7274	498747.1	3733377	8.71E-04	0.00E+00	8.71E-04	1.52E-04
7275	498747	3733386	8.75E-04	0.00E+00	8.75E-04	1.52E-04
7276	498746.9	3733396	8.78E-04	0.00E+00	8.78E-04	1.53E-04
7277	498746.8	3733406	8.82E-04	0.00E+00	8.82E-04	1.54E-04
7278	498746.7	3733416	8.85E-04	0.00E+00	8.85E-04	1.54E-04

7279	498746.6	3733425	8.88E-04	0.00E+00	8.88E-04	1.55E-04
7280	498746.5	3733435	8.92E-04	0.00E+00	8.92E-04	1.55E-04
7281	498745.9	3733503	9.16E-04	0.00E+00	9.16E-04	1.60E-04
7282	498745.8	3733513	9.19E-04	0.00E+00	9.19E-04	1.60E-04
7283	498745.7	3733523	9.22E-04	0.00E+00	9.22E-04	1.61E-04
7284	498745.7	3733533	9.26E-04	0.00E+00	9.26E-04	1.61E-04
7285	498712.3	3733279	7.98E-04	0.00E+00	7.98E-04	1.39E-04
7286	498712.2	3733289	8.02E-04	0.00E+00	8.02E-04	1.40E-04
7287	498712	3733308	8.08E-04	0.00E+00	8.08E-04	1.41E-04
7288	498711.5	3733357	8.25E-04	0.00E+00	8.25E-04	1.44E-04
7289	498711.4	3733376	8.31E-04	0.00E+00	8.31E-04	1.45E-04
7290	498711.3	3733386	8.34E-04	0.00E+00	8.34E-04	1.45E-04
7291	498711.2	3733396	8.37E-04	0.00E+00	8.37E-04	1.46E-04
7292	498711.1	3733406	8.41E-04	0.00E+00	8.41E-04	1.46E-04
7293	498711	3733415	8.44E-04	0.00E+00	8.44E-04	1.47E-04
7294	498710.9	3733425	8.47E-04	0.00E+00	8.47E-04	1.48E-04
7295	498710.8	3733435	8.50E-04	0.00E+00	8.50E-04	1.48E-04
7296	498710.7	3733445	8.53E-04	0.00E+00	8.53E-04	1.49E-04
7297	498710.7	3733454	8.56E-04	0.00E+00	8.56E-04	1.49E-04
7298	498710.6	3733464	8.60E-04	0.00E+00	8.60E-04	1.50E-04
7299	498710.5	3733474	8.63E-04	0.00E+00	8.63E-04	1.50E-04
7300	498710.4	3733484	8.66E-04	0.00E+00	8.66E-04	1.51E-04
7301	498710.3	3733493	8.69E-04	0.00E+00	8.69E-04	1.51E-04
7302	498710.2	3733503	8.72E-04	0.00E+00	8.72E-04	1.52E-04
7303	498710.1	3733513	8.75E-04	0.00E+00	8.75E-04	1.53E-04
7304	498710	3733522	8.78E-04	0.00E+00	8.78E-04	1.53E-04
7305	498709.9	3733532	8.82E-04	0.00E+00	8.82E-04	1.54E-04
7306	499850.4	3733769	1.77E-02	0.00E+00	1.77E-02	3.09E-03
7307	499841.3	3733765	1.76E-02	0.00E+00	1.76E-02	3.06E-03
7308	499832.3	3733761	1.74E-02	0.00E+00	1.74E-02	3.03E-03
7309	499859.4	3733773	1.79E-02	0.00E+00	1.79E-02	3.11E-03
7310	499869.3	3733773	1.82E-02	0.00E+00	1.82E-02	3.17E-03
7311	499879.1	3733773	1.85E-02	0.00E+00	1.85E-02	3.23E-03
7312	499888.9	3733773	1.88E-02	0.00E+00	1.88E-02	3.28E-03
7313	499898.7	3733773	1.91E-02	0.00E+00	1.91E-02	3.32E-03
7314	499908.6	3733773	1.93E-02	0.00E+00	1.93E-02	3.36E-03
7315	499918.4	3733773	1.95E-02	0.00E+00	1.95E-02	3.40E-03
7316	499928.2	3733773	1.97E-02	0.00E+00	1.97E-02	3.43E-03
7317	499938	3733773	1.98E-02	0.00E+00	1.98E-02	3.45E-03
7318	499947.9	3733773	1.99E-02	0.00E+00	1.99E-02	3.47E-03
7319	499957.7	3733773	2.00E-02	0.00E+00	2.00E-02	3.49E-03
7320	499967.5	3733773	2.00E-02	0.00E+00	2.00E-02	3.49E-03
7321	499977.3	3733773	2.01E-02	0.00E+00	2.01E-02	3.49E-03
7322	499987.2	3733773	2.00E-02	0.00E+00	2.00E-02	3.49E-03
7323	499997	3733773	2.00E-02	0.00E+00	2.00E-02	3.48E-03
7324	500006.8	3733773	1.99E-02	0.00E+00	1.99E-02	3.46E-03
7325	500016.6	3733773	1.97E-02	0.00E+00	1.97E-02	3.44E-03

7326	500026.5	3733773	1.96E-02	0.00E+00	1.96E-02	3.41E-03
7327	500036.3	3733773	1.94E-02	0.00E+00	1.94E-02	3.38E-03
7328	500046.1	3733773	1.92E-02	0.00E+00	1.92E-02	3.34E-03
7329	500055.9	3733773	1.89E-02	0.00E+00	1.89E-02	3.29E-03
7330	500065.8	3733773	1.86E-02	0.00E+00	1.86E-02	3.24E-03
7331	500075.6	3733773	1.83E-02	0.00E+00	1.83E-02	3.19E-03
7332	500085.4	3733773	1.80E-02	0.00E+00	1.80E-02	3.13E-03
7333	500095.2	3733773	1.76E-02	0.00E+00	1.76E-02	3.07E-03
7334	500105.1	3733773	1.72E-02	0.00E+00	1.72E-02	3.00E-03
7335	500114.9	3733773	1.68E-02	0.00E+00	1.68E-02	2.94E-03
7336	500124.7	3733773	1.64E-02	0.00E+00	1.64E-02	2.86E-03
7337	500134.5	3733773	1.60E-02	0.00E+00	1.60E-02	2.79E-03
7338	500144.3	3733773	1.56E-02	0.00E+00	1.56E-02	2.71E-03
7339	500154.2	3733773	1.51E-02	0.00E+00	1.51E-02	2.63E-03
7340	500164	3733773	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7341	500173.8	3733773	1.42E-02	0.00E+00	1.42E-02	2.48E-03
7342	500183.6	3733773	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7343	499850.6	3733799	1.62E-02	0.00E+00	1.62E-02	2.83E-03
7344	499841.8	3733795	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7345	499833	3733792	1.60E-02	0.00E+00	1.60E-02	2.79E-03
7346	499824.3	3733788	1.58E-02	0.00E+00	1.58E-02	2.76E-03
7347	499815.5	3733784	1.57E-02	0.00E+00	1.57E-02	2.73E-03
7348	499806.7	3733781	1.55E-02	0.00E+00	1.55E-02	2.70E-03
7349	499797.9	3733777	1.53E-02	0.00E+00	1.53E-02	2.66E-03
7350	499789.2	3733773	1.50E-02	0.00E+00	1.50E-02	2.62E-03
7351	499780.4	3733770	1.48E-02	0.00E+00	1.48E-02	2.57E-03
7352	499771.6	3733766	1.45E-02	0.00E+00	1.45E-02	2.52E-03
7353	499762.8	3733762	1.42E-02	0.00E+00	1.42E-02	2.47E-03
7354	499754	3733759	1.39E-02	0.00E+00	1.39E-02	2.42E-03
7355	499745.3	3733755	1.36E-02	0.00E+00	1.36E-02	2.36E-03
7356	499635.7	3733629	9.66E-03	0.00E+00	9.66E-03	1.68E-03
7357	499632.1	3733620	9.51E-03	0.00E+00	9.51E-03	1.66E-03
7358	499628.5	3733611	9.36E-03	0.00E+00	9.36E-03	1.63E-03
7359	499624.9	3733602	9.21E-03	0.00E+00	9.21E-03	1.60E-03
7360	499621.4	3733593	9.05E-03	0.00E+00	9.05E-03	1.58E-03
7361	499859.4	3733803	1.63E-02	0.00E+00	1.63E-02	2.84E-03
7362	499869.2	3733803	1.66E-02	0.00E+00	1.66E-02	2.89E-03
7363	499879	3733803	1.68E-02	0.00E+00	1.68E-02	2.93E-03
7364	499888.9	3733803	1.70E-02	0.00E+00	1.70E-02	2.97E-03
7365	499898.7	3733803	1.72E-02	0.00E+00	1.72E-02	3.00E-03
7366	499908.5	3733803	1.74E-02	0.00E+00	1.74E-02	3.04E-03
7367	499918.3	3733803	1.76E-02	0.00E+00	1.76E-02	3.06E-03
7368	499928.2	3733803	1.77E-02	0.00E+00	1.77E-02	3.08E-03
7369	499938	3733803	1.78E-02	0.00E+00	1.78E-02	3.10E-03
7370	499947.8	3733803	1.79E-02	0.00E+00	1.79E-02	3.11E-03
7371	499957.6	3733803	1.79E-02	0.00E+00	1.79E-02	3.12E-03
7372	499967.4	3733803	1.79E-02	0.00E+00	1.79E-02	3.13E-03

7373	499977.3	3733803	1.79E-02	0.00E+00	1.79E-02	3.12E-03
7374	499987.1	3733803	1.79E-02	0.00E+00	1.79E-02	3.12E-03
7375	499996.9	3733803	1.78E-02	0.00E+00	1.78E-02	3.11E-03
7376	500006.7	3733803	1.77E-02	0.00E+00	1.77E-02	3.09E-03
7377	500016.6	3733803	1.76E-02	0.00E+00	1.76E-02	3.07E-03
7378	500026.4	3733803	1.75E-02	0.00E+00	1.75E-02	3.04E-03
7379	500036.2	3733803	1.73E-02	0.00E+00	1.73E-02	3.01E-03
7380	500046	3733803	1.71E-02	0.00E+00	1.71E-02	2.98E-03
7381	500055.9	3733803	1.69E-02	0.00E+00	1.69E-02	2.94E-03
7382	500065.7	3733803	1.66E-02	0.00E+00	1.66E-02	2.90E-03
7383	500075.5	3733803	1.64E-02	0.00E+00	1.64E-02	2.86E-03
7384	500085.3	3733803	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7385	500095.2	3733803	1.58E-02	0.00E+00	1.58E-02	2.75E-03
7386	500105	3733803	1.55E-02	0.00E+00	1.55E-02	2.70E-03
7387	500114.8	3733803	1.52E-02	0.00E+00	1.52E-02	2.64E-03
7388	500124.6	3733803	1.48E-02	0.00E+00	1.48E-02	2.58E-03
7389	500134.5	3733803	1.45E-02	0.00E+00	1.45E-02	2.52E-03
7390	500144.3	3733803	1.41E-02	0.00E+00	1.41E-02	2.46E-03
7391	500154.1	3733803	1.37E-02	0.00E+00	1.37E-02	2.39E-03
7392	500163.9	3733803	1.33E-02	0.00E+00	1.33E-02	2.33E-03
7393	500173.8	3733803	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7394	500183.6	3733803	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7395	499850.4	3733829	1.49E-02	0.00E+00	1.49E-02	2.60E-03
7396	499841.4	3733825	1.48E-02	0.00E+00	1.48E-02	2.59E-03
7397	499832.5	3733822	1.47E-02	0.00E+00	1.47E-02	2.57E-03
7398	499823.6	3733818	1.46E-02	0.00E+00	1.46E-02	2.55E-03
7399	499814.6	3733814	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7400	499805.7	3733810	1.43E-02	0.00E+00	1.43E-02	2.50E-03
7401	499796.7	3733807	1.42E-02	0.00E+00	1.42E-02	2.47E-03
7402	499787.8	3733803	1.40E-02	0.00E+00	1.40E-02	2.43E-03
7403	499778.9	3733799	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7404	499769.9	3733795	1.35E-02	0.00E+00	1.35E-02	2.36E-03
7405	499761	3733792	1.33E-02	0.00E+00	1.33E-02	2.32E-03
7406	499752	3733788	1.30E-02	0.00E+00	1.30E-02	2.27E-03
7407	499743.1	3733784	1.28E-02	0.00E+00	1.28E-02	2.23E-03
7408	499734.2	3733780	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7409	499725.2	3733777	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7410	499716.3	3733773	1.19E-02	0.00E+00	1.19E-02	2.08E-03
7411	499707.3	3733769	1.16E-02	0.00E+00	1.16E-02	2.03E-03
7412	499698.4	3733765	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7413	499689.5	3733762	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7414	499680.5	3733758	1.07E-02	0.00E+00	1.07E-02	1.87E-03
7415	499635.5	3733702	9.43E-03	0.00E+00	9.43E-03	1.64E-03
7416	499631.8	3733693	9.33E-03	0.00E+00	9.33E-03	1.63E-03
7417	499628.2	3733684	9.22E-03	0.00E+00	9.22E-03	1.61E-03
7418	499624.6	3733675	9.11E-03	0.00E+00	9.11E-03	1.59E-03
7419	499620.9	3733666	8.99E-03	0.00E+00	8.99E-03	1.57E-03

7420	499617.3	3733657	8.87E-03	0.00E+00	8.87E-03	1.55E-03
7421	499613.6	3733648	8.74E-03	0.00E+00	8.74E-03	1.52E-03
7422	499610	3733639	8.61E-03	0.00E+00	8.61E-03	1.50E-03
7423	499606.3	3733630	8.48E-03	0.00E+00	8.48E-03	1.48E-03
7424	499602.7	3733621	8.34E-03	0.00E+00	8.34E-03	1.45E-03
7425	499580.8	3733567	7.49E-03	0.00E+00	7.49E-03	1.30E-03
7426	499577.2	3733558	7.34E-03	0.00E+00	7.34E-03	1.28E-03
7427	499573.6	3733549	7.20E-03	0.00E+00	7.20E-03	1.25E-03
7428	499859.3	3733833	1.50E-02	0.00E+00	1.50E-02	2.61E-03
7429	499869.1	3733833	1.52E-02	0.00E+00	1.52E-02	2.64E-03
7430	499879	3733833	1.54E-02	0.00E+00	1.54E-02	2.68E-03
7431	499888.8	3733833	1.55E-02	0.00E+00	1.55E-02	2.71E-03
7432	499898.6	3733833	1.57E-02	0.00E+00	1.57E-02	2.73E-03
7433	499908.4	3733833	1.58E-02	0.00E+00	1.58E-02	2.76E-03
7434	499918.3	3733833	1.59E-02	0.00E+00	1.59E-02	2.78E-03
7435	499928.1	3733833	1.60E-02	0.00E+00	1.60E-02	2.79E-03
7436	499937.9	3733833	1.61E-02	0.00E+00	1.61E-02	2.80E-03
7437	499947.7	3733833	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7438	499957.6	3733833	1.62E-02	0.00E+00	1.62E-02	2.82E-03
7439	499967.4	3733833	1.62E-02	0.00E+00	1.62E-02	2.82E-03
7440	499977.2	3733833	1.62E-02	0.00E+00	1.62E-02	2.81E-03
7441	499987	3733833	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7442	499996.9	3733833	1.60E-02	0.00E+00	1.60E-02	2.80E-03
7443	500006.7	3733833	1.60E-02	0.00E+00	1.60E-02	2.78E-03
7444	500016.5	3733833	1.59E-02	0.00E+00	1.59E-02	2.76E-03
7445	500026.3	3733833	1.57E-02	0.00E+00	1.57E-02	2.74E-03
7446	500036.2	3733833	1.56E-02	0.00E+00	1.56E-02	2.71E-03
7447	500046	3733833	1.54E-02	0.00E+00	1.54E-02	2.68E-03
7448	500055.8	3733833	1.52E-02	0.00E+00	1.52E-02	2.65E-03
7449	500065.6	3733833	1.50E-02	0.00E+00	1.50E-02	2.61E-03
7450	500075.5	3733833	1.48E-02	0.00E+00	1.48E-02	2.57E-03
7451	500085.3	3733833	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7452	500095.1	3733833	1.43E-02	0.00E+00	1.43E-02	2.49E-03
7453	500104.9	3733833	1.40E-02	0.00E+00	1.40E-02	2.44E-03
7454	500114.8	3733833	1.37E-02	0.00E+00	1.37E-02	2.39E-03
7455	500124.6	3733833	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7456	500134.4	3733833	1.31E-02	0.00E+00	1.31E-02	2.29E-03
7457	500144.2	3733833	1.28E-02	0.00E+00	1.28E-02	2.24E-03
7458	500154.1	3733833	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7459	500163.9	3733833	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7460	500173.7	3733833	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7461	500183.5	3733833	1.16E-02	0.00E+00	1.16E-02	2.02E-03
7462	499850.5	3733859	1.37E-02	0.00E+00	1.37E-02	2.40E-03
7463	499841.8	3733855	1.37E-02	0.00E+00	1.37E-02	2.39E-03
7464	499833.1	3733852	1.36E-02	0.00E+00	1.36E-02	2.38E-03
7465	499824.4	3733848	1.36E-02	0.00E+00	1.36E-02	2.36E-03
7466	499815.6	3733844	1.35E-02	0.00E+00	1.35E-02	2.35E-03

7467	499806.9	3733841	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7468	499798.2	3733837	1.32E-02	0.00E+00	1.32E-02	2.31E-03
7469	499789.4	3733834	1.31E-02	0.00E+00	1.31E-02	2.28E-03
7470	499780.7	3733830	1.29E-02	0.00E+00	1.29E-02	2.25E-03
7471	499772	3733826	1.28E-02	0.00E+00	1.28E-02	2.22E-03
7472	499763.3	3733823	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7473	499754.5	3733819	1.24E-02	0.00E+00	1.24E-02	2.16E-03
7474	499745.8	3733815	1.22E-02	0.00E+00	1.22E-02	2.12E-03
7475	499737.1	3733812	1.19E-02	0.00E+00	1.19E-02	2.08E-03
7476	499728.4	3733808	1.17E-02	0.00E+00	1.17E-02	2.04E-03
7477	499719.6	3733804	1.15E-02	0.00E+00	1.15E-02	2.00E-03
7478	499710.9	3733801	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7479	499702.2	3733797	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7480	499693.5	3733793	1.07E-02	0.00E+00	1.07E-02	1.87E-03
7481	499684.7	3733790	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7482	499676	3733786	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7483	499667.3	3733782	9.97E-03	0.00E+00	9.97E-03	1.74E-03
7484	499658.5	3733779	9.71E-03	0.00E+00	9.71E-03	1.69E-03
7485	499649.8	3733775	9.45E-03	0.00E+00	9.45E-03	1.65E-03
7486	499641.1	3733771	9.20E-03	0.00E+00	9.20E-03	1.60E-03
7487	499628.8	3733759	8.88E-03	0.00E+00	8.88E-03	1.55E-03
7488	499625.3	3733750	8.82E-03	0.00E+00	8.82E-03	1.54E-03
7489	499621.7	3733741	8.75E-03	0.00E+00	8.75E-03	1.52E-03
7490	499618.1	3733733	8.68E-03	0.00E+00	8.68E-03	1.51E-03
7491	499614.6	3733724	8.59E-03	0.00E+00	8.59E-03	1.50E-03
7492	499611	3733715	8.51E-03	0.00E+00	8.51E-03	1.48E-03
7493	499607.5	3733706	8.42E-03	0.00E+00	8.42E-03	1.47E-03
7494	499603.9	3733698	8.32E-03	0.00E+00	8.32E-03	1.45E-03
7495	499600.4	3733689	8.22E-03	0.00E+00	8.22E-03	1.43E-03
7496	499596.8	3733680	8.12E-03	0.00E+00	8.12E-03	1.41E-03
7497	499593.2	3733671	8.01E-03	0.00E+00	8.01E-03	1.40E-03
7498	499589.7	3733663	7.90E-03	0.00E+00	7.90E-03	1.38E-03
7499	499586.1	3733654	7.79E-03	0.00E+00	7.79E-03	1.36E-03
7500	499582.6	3733645	7.67E-03	0.00E+00	7.67E-03	1.34E-03
7501	499575.5	3733627	7.44E-03	0.00E+00	7.44E-03	1.30E-03
7502	499557.7	3733584	6.82E-03	0.00E+00	6.82E-03	1.19E-03
7503	499554.1	3733575	6.70E-03	0.00E+00	6.70E-03	1.17E-03
7504	499550.6	3733566	6.57E-03	0.00E+00	6.57E-03	1.14E-03
7505	499547	3733557	6.45E-03	0.00E+00	6.45E-03	1.12E-03
7506	499859.3	3733863	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7507	499869.1	3733863	1.39E-02	0.00E+00	1.39E-02	2.43E-03
7508	499878.9	3733863	1.41E-02	0.00E+00	1.41E-02	2.45E-03
7509	499888.7	3733863	1.42E-02	0.00E+00	1.42E-02	2.48E-03
7510	499898.6	3733863	1.43E-02	0.00E+00	1.43E-02	2.50E-03
7511	499908.4	3733863	1.44E-02	0.00E+00	1.44E-02	2.52E-03
7512	499918.2	3733863	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7513	499928	3733863	1.46E-02	0.00E+00	1.46E-02	2.54E-03

7514	499937.9	3733863	1.46E-02	0.00E+00	1.46E-02	2.55E-03
7515	499947.7	3733863	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7516	499957.5	3733863	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7517	499967.3	3733863	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7518	499977.2	3733863	1.46E-02	0.00E+00	1.46E-02	2.55E-03
7519	499987	3733863	1.46E-02	0.00E+00	1.46E-02	2.54E-03
7520	499996.8	3733863	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7521	500006.6	3733863	1.45E-02	0.00E+00	1.45E-02	2.52E-03
7522	500016.5	3733863	1.44E-02	0.00E+00	1.44E-02	2.50E-03
7523	500026.3	3733863	1.42E-02	0.00E+00	1.42E-02	2.48E-03
7524	500036.1	3733863	1.41E-02	0.00E+00	1.41E-02	2.46E-03
7525	500045.9	3733863	1.40E-02	0.00E+00	1.40E-02	2.43E-03
7526	500055.8	3733863	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7527	500065.6	3733863	1.36E-02	0.00E+00	1.36E-02	2.37E-03
7528	500075.4	3733863	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7529	500085.2	3733863	1.32E-02	0.00E+00	1.32E-02	2.30E-03
7530	500095	3733863	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7531	500104.9	3733863	1.28E-02	0.00E+00	1.28E-02	2.22E-03
7532	500114.7	3733863	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7533	500124.5	3733863	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7534	500134.3	3733863	1.20E-02	0.00E+00	1.20E-02	2.10E-03
7535	500144.2	3733863	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7536	500154	3733863	1.15E-02	0.00E+00	1.15E-02	2.01E-03
7537	500163.8	3733863	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7538	500173.6	3733863	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7539	500183.5	3733863	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7540	499850.3	3733889	1.27E-02	0.00E+00	1.27E-02	2.22E-03
7541	499841.5	3733885	1.27E-02	0.00E+00	1.27E-02	2.21E-03
7542	499832.6	3733882	1.26E-02	0.00E+00	1.26E-02	2.20E-03
7543	499823.8	3733878	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7544	499814.9	3733874	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7545	499806	3733870	1.24E-02	0.00E+00	1.24E-02	2.17E-03
7546	499797.2	3733867	1.23E-02	0.00E+00	1.23E-02	2.15E-03
7547	499788.3	3733863	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7548	499779.4	3733859	1.21E-02	0.00E+00	1.21E-02	2.11E-03
7549	499770.6	3733856	1.20E-02	0.00E+00	1.20E-02	2.08E-03
7550	499761.7	3733852	1.18E-02	0.00E+00	1.18E-02	2.06E-03
7551	499752.8	3733848	1.16E-02	0.00E+00	1.16E-02	2.03E-03
7552	499744	3733845	1.15E-02	0.00E+00	1.15E-02	2.00E-03
7553	499735.1	3733841	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7554	499726.3	3733837	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7555	499717.4	3733833	1.09E-02	0.00E+00	1.09E-02	1.90E-03
7556	499708.5	3733830	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7557	499699.7	3733826	1.05E-02	0.00E+00	1.05E-02	1.82E-03
7558	499690.8	3733822	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7559	499681.9	3733819	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7560	499673.1	3733815	9.79E-03	0.00E+00	9.79E-03	1.71E-03

7561	499664.2	3733811	9.56E-03	0.00E+00	9.56E-03	1.67E-03
7562	499655.3	3733807	9.33E-03	0.00E+00	9.33E-03	1.63E-03
7563	499646.5	3733804	9.10E-03	0.00E+00	9.10E-03	1.59E-03
7564	499637.6	3733800	8.87E-03	0.00E+00	8.87E-03	1.55E-03
7565	499628.8	3733796	8.64E-03	0.00E+00	8.64E-03	1.51E-03
7566	499619.9	3733793	8.41E-03	0.00E+00	8.41E-03	1.47E-03
7567	499607.4	3733780	8.13E-03	0.00E+00	8.13E-03	1.42E-03
7568	499603.8	3733771	8.07E-03	0.00E+00	8.07E-03	1.41E-03
7569	499600.2	3733762	8.00E-03	0.00E+00	8.00E-03	1.39E-03
7570	499596.6	3733753	7.93E-03	0.00E+00	7.93E-03	1.38E-03
7571	499593	3733744	7.86E-03	0.00E+00	7.86E-03	1.37E-03
7572	499589.4	3733735	7.78E-03	0.00E+00	7.78E-03	1.36E-03
7573	499585.8	3733727	7.70E-03	0.00E+00	7.70E-03	1.34E-03
7574	499582.1	3733718	7.61E-03	0.00E+00	7.61E-03	1.33E-03
7575	499578.5	3733709	7.52E-03	0.00E+00	7.52E-03	1.31E-03
7576	499574.9	3733700	7.43E-03	0.00E+00	7.43E-03	1.29E-03
7577	499567.7	3733682	7.23E-03	0.00E+00	7.23E-03	1.26E-03
7578	499564.1	3733673	7.13E-03	0.00E+00	7.13E-03	1.24E-03
7579	499560.5	3733664	7.03E-03	0.00E+00	7.03E-03	1.22E-03
7580	499556.9	3733655	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7581	499535.2	3733602	6.26E-03	0.00E+00	6.26E-03	1.09E-03
7582	499531.6	3733593	6.15E-03	0.00E+00	6.15E-03	1.07E-03
7583	499528	3733584	6.04E-03	0.00E+00	6.04E-03	1.05E-03
7584	499524.4	3733575	5.93E-03	0.00E+00	5.93E-03	1.03E-03
7585	499520.7	3733566	5.81E-03	0.00E+00	5.81E-03	1.01E-03
7586	499859.2	3733893	1.27E-02	0.00E+00	1.27E-02	2.22E-03
7587	499869	3733893	1.29E-02	0.00E+00	1.29E-02	2.24E-03
7588	499878.9	3733893	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7589	499888.7	3733893	1.31E-02	0.00E+00	1.31E-02	2.28E-03
7590	499898.5	3733893	1.32E-02	0.00E+00	1.32E-02	2.29E-03
7591	499908.3	3733893	1.32E-02	0.00E+00	1.32E-02	2.31E-03
7592	499918.1	3733893	1.33E-02	0.00E+00	1.33E-02	2.32E-03
7593	499928	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7594	499937.8	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7595	499947.6	3733893	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7596	499957.4	3733893	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7597	499967.3	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7598	499977.1	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7599	499986.9	3733893	1.33E-02	0.00E+00	1.33E-02	2.32E-03
7600	499996.7	3733893	1.32E-02	0.00E+00	1.32E-02	2.31E-03
7601	500006.6	3733893	1.32E-02	0.00E+00	1.32E-02	2.29E-03
7602	500016.4	3733893	1.31E-02	0.00E+00	1.31E-02	2.28E-03
7603	500026.2	3733893	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7604	500036	3733893	1.29E-02	0.00E+00	1.29E-02	2.24E-03
7605	500045.9	3733893	1.27E-02	0.00E+00	1.27E-02	2.22E-03
7606	500055.7	3733893	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7607	500065.5	3733893	1.24E-02	0.00E+00	1.24E-02	2.16E-03

7608	500075.3	3733893	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7609	500085.2	3733893	1.21E-02	0.00E+00	1.21E-02	2.10E-03
7610	500095	3733893	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7611	500104.8	3733893	1.17E-02	0.00E+00	1.17E-02	2.04E-03
7612	500114.6	3733893	1.15E-02	0.00E+00	1.15E-02	2.00E-03
7613	500124.5	3733893	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7614	500134.3	3733893	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7615	500144.1	3733893	1.08E-02	0.00E+00	1.08E-02	1.89E-03
7616	500153.9	3733893	1.06E-02	0.00E+00	1.06E-02	1.85E-03
7617	500163.8	3733893	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7618	500173.6	3733893	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7619	500183.4	3733893	9.92E-03	0.00E+00	9.92E-03	1.73E-03
7620	499850.2	3733919	1.18E-02	0.00E+00	1.18E-02	2.06E-03
7621	499841.2	3733915	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7622	499832.2	3733911	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7623	499823.2	3733908	1.17E-02	0.00E+00	1.17E-02	2.04E-03
7624	499814.2	3733904	1.17E-02	0.00E+00	1.17E-02	2.03E-03
7625	499805.3	3733900	1.16E-02	0.00E+00	1.16E-02	2.02E-03
7626	499796.3	3733896	1.15E-02	0.00E+00	1.15E-02	2.01E-03
7627	499787.3	3733893	1.14E-02	0.00E+00	1.14E-02	1.99E-03
7628	499778.3	3733889	1.13E-02	0.00E+00	1.13E-02	1.98E-03
7629	499769.3	3733885	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7630	499760.3	3733881	1.11E-02	0.00E+00	1.11E-02	1.94E-03
7631	499751.4	3733878	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7632	499742.4	3733874	1.08E-02	0.00E+00	1.08E-02	1.89E-03
7633	499733.4	3733870	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7634	499724.4	3733866	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7635	499715.4	3733863	1.03E-02	0.00E+00	1.03E-02	1.80E-03
7636	499706.5	3733859	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7637	499697.5	3733855	9.97E-03	0.00E+00	9.97E-03	1.74E-03
7638	499688.5	3733851	9.78E-03	0.00E+00	9.78E-03	1.70E-03
7639	499679.5	3733848	9.58E-03	0.00E+00	9.58E-03	1.67E-03
7640	499670.5	3733844	9.38E-03	0.00E+00	9.38E-03	1.63E-03
7641	499661.6	3733840	9.18E-03	0.00E+00	9.18E-03	1.60E-03
7642	499652.6	3733836	8.97E-03	0.00E+00	8.97E-03	1.56E-03
7643	499643.6	3733833	8.77E-03	0.00E+00	8.77E-03	1.53E-03
7644	499634.6	3733829	8.56E-03	0.00E+00	8.56E-03	1.49E-03
7645	499625.6	3733825	8.35E-03	0.00E+00	8.35E-03	1.45E-03
7646	499616.6	3733821	8.14E-03	0.00E+00	8.14E-03	1.42E-03
7647	499607.7	3733817	7.93E-03	0.00E+00	7.93E-03	1.38E-03
7648	499598.7	3733814	7.73E-03	0.00E+00	7.73E-03	1.35E-03
7649	499586	3733801	7.47E-03	0.00E+00	7.47E-03	1.30E-03
7650	499582.4	3733792	7.42E-03	0.00E+00	7.42E-03	1.29E-03
7651	499578.7	3733783	7.36E-03	0.00E+00	7.36E-03	1.28E-03
7652	499575.1	3733774	7.29E-03	0.00E+00	7.29E-03	1.27E-03
7653	499571.4	3733765	7.22E-03	0.00E+00	7.22E-03	1.26E-03
7654	499567.7	3733756	7.15E-03	0.00E+00	7.15E-03	1.25E-03

7655	499564.1	3733747	7.08E-03	0.00E+00	7.08E-03	1.23E-03
7656	499560.4	3733738	7.00E-03	0.00E+00	7.00E-03	1.22E-03
7657	499556.8	3733729	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7658	499553.1	3733720	6.83E-03	0.00E+00	6.83E-03	1.19E-03
7659	499549.4	3733711	6.74E-03	0.00E+00	6.74E-03	1.18E-03
7660	499545.8	3733702	6.66E-03	0.00E+00	6.66E-03	1.16E-03
7661	499542.1	3733693	6.56E-03	0.00E+00	6.56E-03	1.14E-03
7662	499538.5	3733684	6.47E-03	0.00E+00	6.47E-03	1.13E-03
7663	499534.8	3733675	6.37E-03	0.00E+00	6.37E-03	1.11E-03
7664	499531.1	3733666	6.28E-03	0.00E+00	6.28E-03	1.09E-03
7665	499859.1	3733923	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7666	499869	3733923	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7667	499878.8	3733923	1.20E-02	0.00E+00	1.20E-02	2.09E-03
7668	499888.6	3733923	1.21E-02	0.00E+00	1.21E-02	2.10E-03
7669	499898.4	3733923	1.21E-02	0.00E+00	1.21E-02	2.12E-03
7670	499908.3	3733923	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7671	499918.1	3733923	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7672	499927.9	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7673	499937.7	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7674	499947.6	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7675	499957.4	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7676	499967.2	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7677	499977	3733923	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7678	499986.9	3733923	1.22E-02	0.00E+00	1.22E-02	2.12E-03
7679	499996.7	3733923	1.21E-02	0.00E+00	1.21E-02	2.11E-03
7680	500006.5	3733923	1.21E-02	0.00E+00	1.21E-02	2.10E-03
7681	500016.3	3733923	1.20E-02	0.00E+00	1.20E-02	2.09E-03
7682	500026.2	3733923	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7683	500036	3733923	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7684	500045.8	3733923	1.17E-02	0.00E+00	1.17E-02	2.03E-03
7685	500055.6	3733923	1.15E-02	0.00E+00	1.15E-02	2.01E-03
7686	500065.5	3733923	1.14E-02	0.00E+00	1.14E-02	1.99E-03
7687	500075.3	3733923	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7688	500085.1	3733923	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7689	500094.9	3733923	1.09E-02	0.00E+00	1.09E-02	1.90E-03
7690	500104.8	3733923	1.08E-02	0.00E+00	1.08E-02	1.88E-03
7691	500114.6	3733923	1.06E-02	0.00E+00	1.06E-02	1.84E-03
7692	500124.4	3733923	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7693	500134.2	3733923	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7694	500144.1	3733923	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7695	500153.9	3733923	9.83E-03	0.00E+00	9.83E-03	1.71E-03
7696	500163.7	3733923	9.63E-03	0.00E+00	9.63E-03	1.68E-03
7697	500173.5	3733923	9.43E-03	0.00E+00	9.43E-03	1.64E-03
7698	500183.3	3733923	9.23E-03	0.00E+00	9.23E-03	1.61E-03
7699	499850.3	3733949	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7700	499841.5	3733945	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7701	499832.7	3733942	1.10E-02	0.00E+00	1.10E-02	1.91E-03

7702	499823.8	3733938	1.09E-02	0.00E+00	1.09E-02	1.91E-03
7703	499815	3733934	1.09E-02	0.00E+00	1.09E-02	1.90E-03
7704	499806.2	3733931	1.09E-02	0.00E+00	1.09E-02	1.89E-03
7705	499797.4	3733927	1.08E-02	0.00E+00	1.08E-02	1.88E-03
7706	499788.6	3733923	1.08E-02	0.00E+00	1.08E-02	1.87E-03
7707	499779.8	3733920	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7708	499771	3733916	1.06E-02	0.00E+00	1.06E-02	1.85E-03
7709	499762.2	3733912	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7710	499753.4	3733908	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7711	499744.6	3733905	1.03E-02	0.00E+00	1.03E-02	1.79E-03
7712	499735.8	3733901	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7713	499726.9	3733897	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7714	499718.1	3733894	9.89E-03	0.00E+00	9.89E-03	1.72E-03
7715	499709.3	3733890	9.74E-03	0.00E+00	9.74E-03	1.70E-03
7716	499700.5	3733886	9.59E-03	0.00E+00	9.59E-03	1.67E-03
7717	499691.7	3733883	9.43E-03	0.00E+00	9.43E-03	1.64E-03
7718	499682.9	3733879	9.27E-03	0.00E+00	9.27E-03	1.62E-03
7719	499674.1	3733875	9.10E-03	0.00E+00	9.10E-03	1.59E-03
7720	499665.3	3733872	8.93E-03	0.00E+00	8.93E-03	1.56E-03
7721	499656.5	3733868	8.75E-03	0.00E+00	8.75E-03	1.53E-03
7722	499647.7	3733864	8.58E-03	0.00E+00	8.58E-03	1.49E-03
7723	499638.8	3733861	8.40E-03	0.00E+00	8.40E-03	1.46E-03
7724	499630	3733857	8.21E-03	0.00E+00	8.21E-03	1.43E-03
7725	499621.2	3733853	8.03E-03	0.00E+00	8.03E-03	1.40E-03
7726	499612.4	3733849	7.85E-03	0.00E+00	7.85E-03	1.37E-03
7727	499603.6	3733846	7.67E-03	0.00E+00	7.67E-03	1.34E-03
7728	499594.8	3733842	7.48E-03	0.00E+00	7.48E-03	1.30E-03
7729	499586	3733838	7.30E-03	0.00E+00	7.30E-03	1.27E-03
7730	499577.2	3733835	7.12E-03	0.00E+00	7.12E-03	1.24E-03
7731	499564.8	3733822	6.90E-03	0.00E+00	6.90E-03	1.20E-03
7732	499561.2	3733813	6.85E-03	0.00E+00	6.85E-03	1.19E-03
7733	499557.6	3733804	6.79E-03	0.00E+00	6.79E-03	1.18E-03
7734	499554	3733796	6.74E-03	0.00E+00	6.74E-03	1.17E-03
7735	499550.4	3733787	6.68E-03	0.00E+00	6.68E-03	1.16E-03
7736	499546.8	3733778	6.61E-03	0.00E+00	6.61E-03	1.15E-03
7737	499543.2	3733769	6.55E-03	0.00E+00	6.55E-03	1.14E-03
7738	499539.7	3733760	6.48E-03	0.00E+00	6.48E-03	1.13E-03
7739	499536.1	3733751	6.41E-03	0.00E+00	6.41E-03	1.12E-03
7740	499532.5	3733743	6.33E-03	0.00E+00	6.33E-03	1.10E-03
7741	499528.9	3733734	6.26E-03	0.00E+00	6.26E-03	1.09E-03
7742	499859.1	3733953	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7743	499868.9	3733953	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7744	499878.7	3733953	1.11E-02	0.00E+00	1.11E-02	1.94E-03
7745	499888.6	3733953	1.12E-02	0.00E+00	1.12E-02	1.95E-03
7746	499898.4	3733953	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7747	499908.2	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7748	499918	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03

7749	499927.9	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7750	499937.7	3733953	1.13E-02	0.00E+00	1.13E-02	1.98E-03
7751	499947.5	3733953	1.13E-02	0.00E+00	1.13E-02	1.98E-03
7752	499957.3	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7753	499967.2	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7754	499977	3733953	1.13E-02	0.00E+00	1.13E-02	1.96E-03
7755	499986.8	3733953	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7756	499996.6	3733953	1.12E-02	0.00E+00	1.12E-02	1.95E-03
7757	500006.5	3733953	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7758	500016.3	3733953	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7759	500026.1	3733953	1.09E-02	0.00E+00	1.09E-02	1.91E-03
7760	500035.9	3733953	1.08E-02	0.00E+00	1.08E-02	1.89E-03
7761	500045.7	3733953	1.07E-02	0.00E+00	1.07E-02	1.87E-03
7762	500055.6	3733953	1.06E-02	0.00E+00	1.06E-02	1.85E-03
7763	500065.4	3733953	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7764	500075.2	3733953	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7765	500085	3733953	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7766	500094.9	3733953	1.01E-02	0.00E+00	1.01E-02	1.76E-03
7767	500104.7	3733953	9.95E-03	0.00E+00	9.95E-03	1.73E-03
7768	500114.5	3733953	9.80E-03	0.00E+00	9.80E-03	1.71E-03
7769	500124.3	3733953	9.64E-03	0.00E+00	9.64E-03	1.68E-03
7770	500134.2	3733953	9.47E-03	0.00E+00	9.47E-03	1.65E-03
7771	500144	3733953	9.30E-03	0.00E+00	9.30E-03	1.62E-03
7772	500153.8	3733953	9.13E-03	0.00E+00	9.13E-03	1.59E-03
7773	500163.6	3733953	8.96E-03	0.00E+00	8.96E-03	1.56E-03
7774	500173.5	3733953	8.79E-03	0.00E+00	8.79E-03	1.53E-03
7775	500183.3	3733953	8.61E-03	0.00E+00	8.61E-03	1.50E-03
7776	499850.1	3733979	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7777	499841.2	3733975	1.02E-02	0.00E+00	1.02E-02	1.79E-03
7778	499832.3	3733972	1.02E-02	0.00E+00	1.02E-02	1.79E-03
7779	499823.4	3733968	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7780	499814.5	3733964	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7781	499805.5	3733960	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7782	499796.6	3733957	1.01E-02	0.00E+00	1.01E-02	1.77E-03
7783	499787.7	3733953	1.01E-02	0.00E+00	1.01E-02	1.76E-03
7784	499778.8	3733949	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7785	499769.9	3733945	9.97E-03	0.00E+00	9.97E-03	1.74E-03
7786	499761	3733942	9.90E-03	0.00E+00	9.90E-03	1.72E-03
7787	499752.1	3733938	9.81E-03	0.00E+00	9.81E-03	1.71E-03
7788	499743.1	3733934	9.72E-03	0.00E+00	9.72E-03	1.69E-03
7789	499734.2	3733931	9.61E-03	0.00E+00	9.61E-03	1.67E-03
7790	499725.3	3733927	9.50E-03	0.00E+00	9.50E-03	1.66E-03
7791	499716.4	3733923	9.39E-03	0.00E+00	9.39E-03	1.64E-03
7792	499707.5	3733919	9.26E-03	0.00E+00	9.26E-03	1.61E-03
7793	499698.6	3733916	9.13E-03	0.00E+00	9.13E-03	1.59E-03
7794	499689.7	3733912	8.99E-03	0.00E+00	8.99E-03	1.57E-03
7795	499680.7	3733908	8.85E-03	0.00E+00	8.85E-03	1.54E-03

7796	499671.8	3733904	8.71E-03	0.00E+00	8.71E-03	1.52E-03
7797	499662.9	3733901	8.55E-03	0.00E+00	8.55E-03	1.49E-03
7798	499654	3733897	8.40E-03	0.00E+00	8.40E-03	1.46E-03
7799	499645.1	3733893	8.24E-03	0.00E+00	8.24E-03	1.44E-03
7800	499636.2	3733889	8.08E-03	0.00E+00	8.08E-03	1.41E-03
7801	499627.3	3733886	7.92E-03	0.00E+00	7.92E-03	1.38E-03
7802	499618.4	3733882	7.75E-03	0.00E+00	7.75E-03	1.35E-03
7803	499609.4	3733878	7.59E-03	0.00E+00	7.59E-03	1.32E-03
7804	499600.5	3733875	7.42E-03	0.00E+00	7.42E-03	1.29E-03
7805	499591.6	3733871	7.26E-03	0.00E+00	7.26E-03	1.26E-03
7806	499582.7	3733867	7.09E-03	0.00E+00	7.09E-03	1.24E-03
7807	499573.8	3733863	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7808	499564.9	3733860	6.76E-03	0.00E+00	6.76E-03	1.18E-03
7809	499556	3733856	6.60E-03	0.00E+00	6.60E-03	1.15E-03
7810	499543.4	3733843	6.39E-03	0.00E+00	6.39E-03	1.11E-03
7811	499539.8	3733834	6.34E-03	0.00E+00	6.34E-03	1.11E-03
7812	499536.1	3733825	6.29E-03	0.00E+00	6.29E-03	1.10E-03
7813	499532.5	3733816	6.24E-03	0.00E+00	6.24E-03	1.09E-03
7814	499528.9	3733807	6.19E-03	0.00E+00	6.19E-03	1.08E-03
7815	499525.2	3733798	6.13E-03	0.00E+00	6.13E-03	1.07E-03
7816	499521.6	3733789	6.07E-03	0.00E+00	6.07E-03	1.06E-03
7817	499518	3733780	6.00E-03	0.00E+00	6.00E-03	1.05E-03
7818	499514.4	3733772	5.94E-03	0.00E+00	5.94E-03	1.03E-03
7819	499510.7	3733763	5.87E-03	0.00E+00	5.87E-03	1.02E-03
7820	499859	3733983	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7821	499868.9	3733983	1.03E-02	0.00E+00	1.03E-02	1.79E-03
7822	499878.7	3733983	1.03E-02	0.00E+00	1.03E-02	1.80E-03
7823	499888.5	3733983	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7824	499898.3	3733983	1.04E-02	0.00E+00	1.04E-02	1.82E-03
7825	499908.1	3733983	1.05E-02	0.00E+00	1.05E-02	1.82E-03
7826	499918	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7827	499927.8	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7828	499937.6	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7829	499947.4	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7830	499957.3	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7831	499967.1	3733983	1.04E-02	0.00E+00	1.04E-02	1.82E-03
7832	499976.9	3733983	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7833	499986.7	3733983	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7834	499996.6	3733983	1.03E-02	0.00E+00	1.03E-02	1.80E-03
7835	500006.4	3733983	1.03E-02	0.00E+00	1.03E-02	1.79E-03
7836	500016.2	3733983	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7837	500026	3733983	1.01E-02	0.00E+00	1.01E-02	1.76E-03
7838	500035.9	3733983	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7839	500045.7	3733983	9.93E-03	0.00E+00	9.93E-03	1.73E-03
7840	500055.5	3733983	9.83E-03	0.00E+00	9.83E-03	1.71E-03
7841	500065.3	3733983	9.72E-03	0.00E+00	9.72E-03	1.69E-03
7842	500075.2	3733983	9.61E-03	0.00E+00	9.61E-03	1.67E-03

7843	500085	3733983	9.49E-03	0.00E+00	9.49E-03	1.65E-03
7844	500094.8	3733983	9.36E-03	0.00E+00	9.36E-03	1.63E-03
7845	500104.6	3733983	9.23E-03	0.00E+00	9.23E-03	1.61E-03
7846	500114.5	3733983	9.09E-03	0.00E+00	9.09E-03	1.58E-03
7847	500124.3	3733983	8.96E-03	0.00E+00	8.96E-03	1.56E-03
7848	500134.1	3733983	8.81E-03	0.00E+00	8.81E-03	1.54E-03
7849	500143.9	3733983	8.67E-03	0.00E+00	8.67E-03	1.51E-03
7850	500153.8	3733983	8.52E-03	0.00E+00	8.52E-03	1.48E-03
7851	500163.6	3733983	8.37E-03	0.00E+00	8.37E-03	1.46E-03
7852	500173.4	3733983	8.21E-03	0.00E+00	8.21E-03	1.43E-03
7853	500183.2	3733983	8.06E-03	0.00E+00	8.06E-03	1.40E-03
7854	499850	3734009	9.57E-03	0.00E+00	9.57E-03	1.67E-03
7855	499841	3734005	9.59E-03	0.00E+00	9.59E-03	1.67E-03
7856	499831.9	3734001	9.60E-03	0.00E+00	9.60E-03	1.67E-03
7857	499822.9	3733998	9.59E-03	0.00E+00	9.59E-03	1.67E-03
7858	499813.9	3733994	9.58E-03	0.00E+00	9.58E-03	1.67E-03
7859	499804.9	3733990	9.56E-03	0.00E+00	9.56E-03	1.67E-03
7860	499795.9	3733986	9.54E-03	0.00E+00	9.54E-03	1.66E-03
7861	499786.9	3733983	9.50E-03	0.00E+00	9.50E-03	1.66E-03
7862	499777.9	3733979	9.46E-03	0.00E+00	9.46E-03	1.65E-03
7863	499768.9	3733975	9.40E-03	0.00E+00	9.40E-03	1.64E-03
7864	499759.9	3733971	9.34E-03	0.00E+00	9.34E-03	1.63E-03
7865	499750.9	3733967	9.27E-03	0.00E+00	9.27E-03	1.62E-03
7866	499741.9	3733964	9.19E-03	0.00E+00	9.19E-03	1.60E-03
7867	499732.9	3733960	9.11E-03	0.00E+00	9.11E-03	1.59E-03
7868	499723.9	3733956	9.02E-03	0.00E+00	9.02E-03	1.57E-03
7869	499714.9	3733952	8.92E-03	0.00E+00	8.92E-03	1.55E-03
7870	499705.8	3733949	8.81E-03	0.00E+00	8.81E-03	1.54E-03
7871	499696.8	3733945	8.70E-03	0.00E+00	8.70E-03	1.52E-03
7872	499687.8	3733941	8.58E-03	0.00E+00	8.58E-03	1.50E-03
7873	499678.8	3733937	8.46E-03	0.00E+00	8.46E-03	1.47E-03
7874	499669.8	3733934	8.33E-03	0.00E+00	8.33E-03	1.45E-03
7875	499660.8	3733930	8.20E-03	0.00E+00	8.20E-03	1.43E-03
7876	499651.8	3733926	8.06E-03	0.00E+00	8.06E-03	1.40E-03
7877	499642.8	3733922	7.92E-03	0.00E+00	7.92E-03	1.38E-03
7878	499633.8	3733918	7.78E-03	0.00E+00	7.78E-03	1.36E-03
7879	499624.8	3733915	7.63E-03	0.00E+00	7.63E-03	1.33E-03
7880	499615.8	3733911	7.48E-03	0.00E+00	7.48E-03	1.30E-03
7881	499606.8	3733907	7.34E-03	0.00E+00	7.34E-03	1.28E-03
7882	499597.8	3733903	7.18E-03	0.00E+00	7.18E-03	1.25E-03
7883	499588.8	3733900	7.03E-03	0.00E+00	7.03E-03	1.23E-03
7884	499579.8	3733896	6.88E-03	0.00E+00	6.88E-03	1.20E-03
7885	499570.7	3733892	6.73E-03	0.00E+00	6.73E-03	1.17E-03
7886	499561.7	3733888	6.58E-03	0.00E+00	6.58E-03	1.15E-03
7887	499552.7	3733885	6.43E-03	0.00E+00	6.43E-03	1.12E-03
7888	499543.7	3733881	6.28E-03	0.00E+00	6.28E-03	1.09E-03
7889	499534.7	3733877	6.13E-03	0.00E+00	6.13E-03	1.07E-03

7890	499522	3733864	5.94E-03	0.00E+00	5.94E-03	1.04E-03
7891	499518.4	3733855	5.90E-03	0.00E+00	5.90E-03	1.03E-03
7892	499514.7	3733846	5.85E-03	0.00E+00	5.85E-03	1.02E-03
7893	499511	3733837	5.80E-03	0.00E+00	5.80E-03	1.01E-03
7894	499507.4	3733828	5.75E-03	0.00E+00	5.75E-03	1.00E-03
7895	499503.7	3733819	5.70E-03	0.00E+00	5.70E-03	9.93E-04
7896	499500	3733810	5.64E-03	0.00E+00	5.64E-03	9.83E-04
7897	499496.3	3733801	5.58E-03	0.00E+00	5.58E-03	9.73E-04
7898	499481.7	3733765	5.33E-03	0.00E+00	5.33E-03	9.29E-04
7899	499478	3733756	5.26E-03	0.00E+00	5.26E-03	9.17E-04
7900	499474.3	3733747	5.20E-03	0.00E+00	5.20E-03	9.05E-04
7901	499470.7	3733738	5.13E-03	0.00E+00	5.13E-03	8.93E-04
7902	499459.6	3733710	4.91E-03	0.00E+00	4.91E-03	8.56E-04
7903	499456	3733701	4.84E-03	0.00E+00	4.84E-03	8.44E-04
7904	499859	3734013	9.55E-03	0.00E+00	9.55E-03	1.66E-03
7905	499868.8	3734013	9.60E-03	0.00E+00	9.60E-03	1.67E-03
7906	499878.6	3734013	9.65E-03	0.00E+00	9.65E-03	1.68E-03
7907	499888.4	3734013	9.69E-03	0.00E+00	9.69E-03	1.69E-03
7908	499898.3	3734013	9.71E-03	0.00E+00	9.71E-03	1.69E-03
7909	499908.1	3734013	9.74E-03	0.00E+00	9.74E-03	1.70E-03
7910	499917.9	3734013	9.75E-03	0.00E+00	9.75E-03	1.70E-03
7911	499927.7	3734013	9.76E-03	0.00E+00	9.76E-03	1.70E-03
7912	499937.6	3734013	9.75E-03	0.00E+00	9.75E-03	1.70E-03
7913	499947.4	3734013	9.74E-03	0.00E+00	9.74E-03	1.70E-03
7914	499957.2	3734013	9.72E-03	0.00E+00	9.72E-03	1.69E-03
7915	499967	3734013	9.70E-03	0.00E+00	9.70E-03	1.69E-03
7916	499976.9	3734013	9.66E-03	0.00E+00	9.66E-03	1.68E-03
7917	499986.7	3734013	9.62E-03	0.00E+00	9.62E-03	1.68E-03
7918	499996.5	3734013	9.57E-03	0.00E+00	9.57E-03	1.67E-03
7919	500006.3	3734013	9.51E-03	0.00E+00	9.51E-03	1.66E-03
7920	500016.2	3734013	9.45E-03	0.00E+00	9.45E-03	1.65E-03
7921	500026	3734013	9.38E-03	0.00E+00	9.38E-03	1.63E-03
7922	500035.8	3734013	9.30E-03	0.00E+00	9.30E-03	1.62E-03
7923	500045.6	3734013	9.22E-03	0.00E+00	9.22E-03	1.61E-03
7924	500055.5	3734013	9.13E-03	0.00E+00	9.13E-03	1.59E-03
7925	500065.3	3734013	9.03E-03	0.00E+00	9.03E-03	1.57E-03
7926	500075.1	3734013	8.93E-03	0.00E+00	8.93E-03	1.56E-03
7927	500084.9	3734013	8.82E-03	0.00E+00	8.82E-03	1.54E-03
7928	500094.8	3734013	8.71E-03	0.00E+00	8.71E-03	1.52E-03
7929	500104.6	3734013	8.59E-03	0.00E+00	8.59E-03	1.50E-03
7930	500114.4	3734013	8.47E-03	0.00E+00	8.47E-03	1.48E-03
7931	500124.2	3734013	8.35E-03	0.00E+00	8.35E-03	1.46E-03
7932	500134	3734013	8.23E-03	0.00E+00	8.23E-03	1.43E-03
7933	500143.9	3734013	8.10E-03	0.00E+00	8.10E-03	1.41E-03
7934	500153.7	3734013	7.97E-03	0.00E+00	7.97E-03	1.39E-03
7935	500163.5	3734013	7.83E-03	0.00E+00	7.83E-03	1.36E-03
7936	500173.3	3734013	7.70E-03	0.00E+00	7.70E-03	1.34E-03

7937	500183.2	3734013	7.56E-03	0.00E+00	7.56E-03	1.32E-03
7938	499850	3734039	8.97E-03	0.00E+00	8.97E-03	1.56E-03
7939	499841.2	3734035	8.99E-03	0.00E+00	8.99E-03	1.57E-03
7940	499832.3	3734032	9.00E-03	0.00E+00	9.00E-03	1.57E-03
7941	499823.5	3734028	9.01E-03	0.00E+00	9.01E-03	1.57E-03
7942	499814.6	3734024	9.01E-03	0.00E+00	9.01E-03	1.57E-03
7943	499805.7	3734020	9.00E-03	0.00E+00	9.00E-03	1.57E-03
7944	499796.9	3734017	8.98E-03	0.00E+00	8.98E-03	1.57E-03
7945	499788	3734013	8.96E-03	0.00E+00	8.96E-03	1.56E-03
7946	499779.1	3734009	8.93E-03	0.00E+00	8.93E-03	1.56E-03
7947	499770.3	3734006	8.89E-03	0.00E+00	8.89E-03	1.55E-03
7948	499761.4	3734002	8.84E-03	0.00E+00	8.84E-03	1.54E-03
7949	499752.5	3733998	8.79E-03	0.00E+00	8.79E-03	1.53E-03
7950	499743.7	3733995	8.73E-03	0.00E+00	8.73E-03	1.52E-03
7951	499734.8	3733991	8.67E-03	0.00E+00	8.67E-03	1.51E-03
7952	499726	3733987	8.59E-03	0.00E+00	8.59E-03	1.50E-03
7953	499717.1	3733983	8.51E-03	0.00E+00	8.51E-03	1.48E-03
7954	499708.2	3733980	8.43E-03	0.00E+00	8.43E-03	1.47E-03
7955	499699.4	3733976	8.34E-03	0.00E+00	8.34E-03	1.45E-03
7956	499690.5	3733972	8.24E-03	0.00E+00	8.24E-03	1.44E-03
7957	499681.6	3733969	8.14E-03	0.00E+00	8.14E-03	1.42E-03
7958	499672.8	3733965	8.03E-03	0.00E+00	8.03E-03	1.40E-03
7959	499663.9	3733961	7.92E-03	0.00E+00	7.92E-03	1.38E-03
7960	499655.1	3733957	7.81E-03	0.00E+00	7.81E-03	1.36E-03
7961	499646.2	3733954	7.69E-03	0.00E+00	7.69E-03	1.34E-03
7962	499637.3	3733950	7.57E-03	0.00E+00	7.57E-03	1.32E-03
7963	499628.5	3733946	7.44E-03	0.00E+00	7.44E-03	1.30E-03
7964	499619.6	3733943	7.31E-03	0.00E+00	7.31E-03	1.27E-03
7965	499610.7	3733939	7.18E-03	0.00E+00	7.18E-03	1.25E-03
7966	499601.9	3733935	7.05E-03	0.00E+00	7.05E-03	1.23E-03
7967	499593	3733931	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7968	499584.1	3733928	6.79E-03	0.00E+00	6.79E-03	1.18E-03
7969	499575.3	3733924	6.65E-03	0.00E+00	6.65E-03	1.16E-03
7970	499566.4	3733920	6.52E-03	0.00E+00	6.52E-03	1.14E-03
7971	499557.6	3733917	6.38E-03	0.00E+00	6.38E-03	1.11E-03
7972	499548.7	3733913	6.25E-03	0.00E+00	6.25E-03	1.09E-03
7973	499539.8	3733909	6.11E-03	0.00E+00	6.11E-03	1.06E-03
7974	499531	3733905	5.98E-03	0.00E+00	5.98E-03	1.04E-03
7975	499522.1	3733902	5.84E-03	0.00E+00	5.84E-03	1.02E-03
7976	499513.2	3733898	5.71E-03	0.00E+00	5.71E-03	9.95E-04
7977	499500.8	3733885	5.54E-03	0.00E+00	5.54E-03	9.65E-04
7978	499497.2	3733877	5.50E-03	0.00E+00	5.50E-03	9.59E-04
7979	499493.5	3733868	5.46E-03	0.00E+00	5.46E-03	9.51E-04
7980	499489.9	3733859	5.41E-03	0.00E+00	5.41E-03	9.43E-04
7981	499486.3	3733850	5.37E-03	0.00E+00	5.37E-03	9.35E-04
7982	499482.7	3733841	5.32E-03	0.00E+00	5.32E-03	9.27E-04
7983	499479.1	3733832	5.27E-03	0.00E+00	5.27E-03	9.18E-04

7984	499468.3	3733805	5.11E-03	0.00E+00	5.11E-03	8.90E-04
7985	499464.7	3733796	5.05E-03	0.00E+00	5.05E-03	8.80E-04
7986	499461	3733787	4.99E-03	0.00E+00	4.99E-03	8.70E-04
7987	499457.4	3733779	4.93E-03	0.00E+00	4.93E-03	8.60E-04
7988	499453.8	3733770	4.87E-03	0.00E+00	4.87E-03	8.49E-04
7989	499450.2	3733761	4.81E-03	0.00E+00	4.81E-03	8.39E-04
7990	499446.6	3733752	4.75E-03	0.00E+00	4.75E-03	8.28E-04
7991	499421.3	3733690	4.30E-03	0.00E+00	4.30E-03	7.50E-04
7992	499417.7	3733681	4.24E-03	0.00E+00	4.24E-03	7.38E-04
7993	499414.1	3733672	4.17E-03	0.00E+00	4.17E-03	7.27E-04
7994	499410.5	3733663	4.11E-03	0.00E+00	4.11E-03	7.16E-04
7995	499858.9	3734043	8.95E-03	0.00E+00	8.95E-03	1.56E-03
7996	499868.7	3734043	8.99E-03	0.00E+00	8.99E-03	1.57E-03
7997	499878.6	3734043	9.02E-03	0.00E+00	9.02E-03	1.57E-03
7998	499888.4	3734043	9.05E-03	0.00E+00	9.05E-03	1.58E-03
7999	499898.2	3734043	9.07E-03	0.00E+00	9.07E-03	1.58E-03
8000	499908	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8001	499917.9	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8002	499927.7	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8003	499937.5	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8004	499947.3	3734043	9.08E-03	0.00E+00	9.08E-03	1.58E-03
8005	499957.2	3734043	9.06E-03	0.00E+00	9.06E-03	1.58E-03
8006	499967	3734043	9.03E-03	0.00E+00	9.03E-03	1.57E-03
8007	499976.8	3734043	8.99E-03	0.00E+00	8.99E-03	1.57E-03
8008	499986.6	3734043	8.95E-03	0.00E+00	8.95E-03	1.56E-03
8009	499996.4	3734043	8.91E-03	0.00E+00	8.91E-03	1.55E-03
8010	500006.3	3734043	8.85E-03	0.00E+00	8.85E-03	1.54E-03
8011	500016.1	3734043	8.79E-03	0.00E+00	8.79E-03	1.53E-03
8012	500025.9	3734043	8.73E-03	0.00E+00	8.73E-03	1.52E-03
8013	500035.7	3734043	8.66E-03	0.00E+00	8.66E-03	1.51E-03
8014	500045.6	3734043	8.58E-03	0.00E+00	8.58E-03	1.50E-03
8015	500055.4	3734043	8.50E-03	0.00E+00	8.50E-03	1.48E-03
8016	500065.2	3734043	8.41E-03	0.00E+00	8.41E-03	1.47E-03
8017	500075	3734043	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8018	500084.9	3734043	8.23E-03	0.00E+00	8.23E-03	1.43E-03
8019	500094.7	3734043	8.13E-03	0.00E+00	8.13E-03	1.42E-03
8020	500104.5	3734043	8.03E-03	0.00E+00	8.03E-03	1.40E-03
8021	500114.3	3734043	7.92E-03	0.00E+00	7.92E-03	1.38E-03
8022	500124.2	3734043	7.81E-03	0.00E+00	7.81E-03	1.36E-03
8023	500134	3734043	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8024	500143.8	3734043	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8025	500153.6	3734043	7.47E-03	0.00E+00	7.47E-03	1.30E-03
8026	500163.5	3734043	7.35E-03	0.00E+00	7.35E-03	1.28E-03
8027	500173.3	3734043	7.23E-03	0.00E+00	7.23E-03	1.26E-03
8028	500183.1	3734043	7.11E-03	0.00E+00	7.11E-03	1.24E-03
8029	499849.9	3734079	8.26E-03	0.00E+00	8.26E-03	1.44E-03
8030	499841	3734075	8.28E-03	0.00E+00	8.28E-03	1.44E-03

8031	499832.1	3734072	8.30E-03	0.00E+00	8.30E-03	1.45E-03
8032	499823.2	3734068	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8033	499814.3	3734064	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8034	499805.4	3734060	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8035	499796.5	3734057	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8036	499787.6	3734053	8.30E-03	0.00E+00	8.30E-03	1.45E-03
8037	499778.7	3734049	8.28E-03	0.00E+00	8.28E-03	1.44E-03
8038	499769.8	3734045	8.25E-03	0.00E+00	8.25E-03	1.44E-03
8039	499760.9	3734042	8.22E-03	0.00E+00	8.22E-03	1.43E-03
8040	499752	3734038	8.18E-03	0.00E+00	8.18E-03	1.43E-03
8041	499743.1	3734034	8.14E-03	0.00E+00	8.14E-03	1.42E-03
8042	499734.2	3734031	8.09E-03	0.00E+00	8.09E-03	1.41E-03
8043	499725.3	3734027	8.03E-03	0.00E+00	8.03E-03	1.40E-03
8044	499716.4	3734023	7.97E-03	0.00E+00	7.97E-03	1.39E-03
8045	499707.5	3734019	7.90E-03	0.00E+00	7.90E-03	1.38E-03
8046	499698.5	3734016	7.83E-03	0.00E+00	7.83E-03	1.36E-03
8047	499689.6	3734012	7.75E-03	0.00E+00	7.75E-03	1.35E-03
8048	499680.7	3734008	7.67E-03	0.00E+00	7.67E-03	1.34E-03
8049	499671.8	3734004	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8050	499662.9	3734001	7.50E-03	0.00E+00	7.50E-03	1.31E-03
8051	499654	3733997	7.40E-03	0.00E+00	7.40E-03	1.29E-03
8052	499645.1	3733993	7.30E-03	0.00E+00	7.30E-03	1.27E-03
8053	499636.2	3733990	7.20E-03	0.00E+00	7.20E-03	1.25E-03
8054	499627.3	3733986	7.09E-03	0.00E+00	7.09E-03	1.24E-03
8055	499618.4	3733982	6.99E-03	0.00E+00	6.99E-03	1.22E-03
8056	499609.5	3733978	6.87E-03	0.00E+00	6.87E-03	1.20E-03
8057	499600.6	3733975	6.76E-03	0.00E+00	6.76E-03	1.18E-03
8058	499591.7	3733971	6.65E-03	0.00E+00	6.65E-03	1.16E-03
8059	499582.8	3733967	6.53E-03	0.00E+00	6.53E-03	1.14E-03
8060	499573.9	3733963	6.41E-03	0.00E+00	6.41E-03	1.12E-03
8061	499565	3733960	6.29E-03	0.00E+00	6.29E-03	1.10E-03
8062	499556.1	3733956	6.17E-03	0.00E+00	6.17E-03	1.08E-03
8063	499547.2	3733952	6.05E-03	0.00E+00	6.05E-03	1.05E-03
8064	499538.3	3733949	5.93E-03	0.00E+00	5.93E-03	1.03E-03
8065	499529.4	3733945	5.81E-03	0.00E+00	5.81E-03	1.01E-03
8066	499520.5	3733941	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8067	499511.6	3733937	5.58E-03	0.00E+00	5.58E-03	9.71E-04
8068	499502.7	3733934	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8069	499493.7	3733930	5.34E-03	0.00E+00	5.34E-03	9.30E-04
8070	499484.8	3733926	5.22E-03	0.00E+00	5.22E-03	9.10E-04
8071	499472.3	3733914	5.07E-03	0.00E+00	5.07E-03	8.83E-04
8072	499468.7	3733905	5.03E-03	0.00E+00	5.03E-03	8.77E-04
8073	499465.1	3733896	5.00E-03	0.00E+00	5.00E-03	8.70E-04
8074	499461.4	3733887	4.96E-03	0.00E+00	4.96E-03	8.63E-04
8075	499457.8	3733878	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8076	499454.2	3733869	4.87E-03	0.00E+00	4.87E-03	8.48E-04
8077	499450.5	3733860	4.82E-03	0.00E+00	4.82E-03	8.41E-04

8078	499443.3	3733842	4.73E-03	0.00E+00	4.73E-03	8.24E-04
8079	499439.7	3733833	4.68E-03	0.00E+00	4.68E-03	8.16E-04
8080	499436	3733824	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8081	499432.4	3733815	4.58E-03	0.00E+00	4.58E-03	7.98E-04
8082	499428.8	3733806	4.53E-03	0.00E+00	4.53E-03	7.89E-04
8083	499425.1	3733797	4.47E-03	0.00E+00	4.47E-03	7.80E-04
8084	499421.5	3733788	4.42E-03	0.00E+00	4.42E-03	7.70E-04
8085	499417.9	3733779	4.37E-03	0.00E+00	4.37E-03	7.61E-04
8086	499414.3	3733770	4.31E-03	0.00E+00	4.31E-03	7.51E-04
8087	499348.9	3733609	3.29E-03	0.00E+00	3.29E-03	5.74E-04
8088	499345.3	3733600	3.24E-03	0.00E+00	3.24E-03	5.64E-04
8089	499341.7	3733591	3.19E-03	0.00E+00	3.19E-03	5.55E-04
8090	499338.1	3733583	3.13E-03	0.00E+00	3.13E-03	5.46E-04
8091	499334.4	3733574	3.08E-03	0.00E+00	3.08E-03	5.37E-04
8092	499330.8	3733565	3.03E-03	0.00E+00	3.03E-03	5.28E-04
8093	499327.2	3733556	2.98E-03	0.00E+00	2.98E-03	5.20E-04
8094	499323.5	3733547	2.93E-03	0.00E+00	2.93E-03	5.11E-04
8095	499858.8	3734083	8.23E-03	0.00E+00	8.23E-03	1.43E-03
8096	499868.7	3734083	8.26E-03	0.00E+00	8.26E-03	1.44E-03
8097	499878.5	3734083	8.28E-03	0.00E+00	8.28E-03	1.44E-03
8098	499888.3	3734083	8.30E-03	0.00E+00	8.30E-03	1.45E-03
8099	499898.1	3734083	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8100	499908	3734083	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8101	499917.8	3734083	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8102	499927.6	3734083	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8103	499937.4	3734083	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8104	499947.2	3734083	8.29E-03	0.00E+00	8.29E-03	1.45E-03
8105	499957.1	3734083	8.27E-03	0.00E+00	8.27E-03	1.44E-03
8106	499966.9	3734083	8.25E-03	0.00E+00	8.25E-03	1.44E-03
8107	499976.7	3734083	8.21E-03	0.00E+00	8.21E-03	1.43E-03
8108	499986.5	3734083	8.18E-03	0.00E+00	8.18E-03	1.42E-03
8109	499996.4	3734083	8.13E-03	0.00E+00	8.13E-03	1.42E-03
8110	500006.2	3734083	8.08E-03	0.00E+00	8.08E-03	1.41E-03
8111	500016	3734083	8.03E-03	0.00E+00	8.03E-03	1.40E-03
8112	500025.8	3734083	7.97E-03	0.00E+00	7.97E-03	1.39E-03
8113	500035.7	3734083	7.91E-03	0.00E+00	7.91E-03	1.38E-03
8114	500045.5	3734083	7.84E-03	0.00E+00	7.84E-03	1.37E-03
8115	500055.3	3734083	7.77E-03	0.00E+00	7.77E-03	1.35E-03
8116	500065.1	3734083	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8117	500075	3734083	7.62E-03	0.00E+00	7.62E-03	1.33E-03
8118	500084.8	3734083	7.54E-03	0.00E+00	7.54E-03	1.31E-03
8119	500094.6	3734083	7.45E-03	0.00E+00	7.45E-03	1.30E-03
8120	500104.4	3734083	7.36E-03	0.00E+00	7.36E-03	1.28E-03
8121	500114.3	3734083	7.27E-03	0.00E+00	7.27E-03	1.27E-03
8122	500124.1	3734083	7.18E-03	0.00E+00	7.18E-03	1.25E-03
8123	500133.9	3734083	7.08E-03	0.00E+00	7.08E-03	1.23E-03
8124	500143.7	3734083	6.98E-03	0.00E+00	6.98E-03	1.22E-03

8125	500153.6	3734083	6.88E-03	0.00E+00	6.88E-03	1.20E-03
8126	500163.4	3734083	6.78E-03	0.00E+00	6.78E-03	1.18E-03
8127	500173.2	3734083	6.68E-03	0.00E+00	6.68E-03	1.16E-03
8128	500183	3734083	6.58E-03	0.00E+00	6.58E-03	1.15E-03
8129	499849.8	3734119	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8130	499840.9	3734115	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8131	499831.9	3734112	7.67E-03	0.00E+00	7.67E-03	1.34E-03
8132	499823	3734108	7.69E-03	0.00E+00	7.69E-03	1.34E-03
8133	499814	3734104	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8134	499805.1	3734100	7.71E-03	0.00E+00	7.71E-03	1.34E-03
8135	499796.2	3734097	7.71E-03	0.00E+00	7.71E-03	1.34E-03
8136	499787.2	3734093	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8137	499778.3	3734089	7.69E-03	0.00E+00	7.69E-03	1.34E-03
8138	499769.3	3734085	7.68E-03	0.00E+00	7.68E-03	1.34E-03
8139	499760.4	3734082	7.66E-03	0.00E+00	7.66E-03	1.33E-03
8140	499751.5	3734078	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8141	499742.5	3734074	7.60E-03	0.00E+00	7.60E-03	1.32E-03
8142	499733.6	3734070	7.56E-03	0.00E+00	7.56E-03	1.32E-03
8143	499724.6	3734067	7.52E-03	0.00E+00	7.52E-03	1.31E-03
8144	499715.7	3734063	7.47E-03	0.00E+00	7.47E-03	1.30E-03
8145	499706.8	3734059	7.42E-03	0.00E+00	7.42E-03	1.29E-03
8146	499697.8	3734055	7.36E-03	0.00E+00	7.36E-03	1.28E-03
8147	499688.9	3734052	7.30E-03	0.00E+00	7.30E-03	1.27E-03
8148	499679.9	3734048	7.24E-03	0.00E+00	7.24E-03	1.26E-03
8149	499671	3734044	7.16E-03	0.00E+00	7.16E-03	1.25E-03
8150	499662.1	3734040	7.09E-03	0.00E+00	7.09E-03	1.24E-03
8151	499653.1	3734037	7.01E-03	0.00E+00	7.01E-03	1.22E-03
8152	499644.2	3734033	6.93E-03	0.00E+00	6.93E-03	1.21E-03
8153	499635.2	3734029	6.85E-03	0.00E+00	6.85E-03	1.19E-03
8154	499626.3	3734025	6.76E-03	0.00E+00	6.76E-03	1.18E-03
8155	499617.4	3734022	6.67E-03	0.00E+00	6.67E-03	1.16E-03
8156	499608.4	3734018	6.57E-03	0.00E+00	6.57E-03	1.14E-03
8157	499599.5	3734014	6.47E-03	0.00E+00	6.47E-03	1.13E-03
8158	499590.5	3734010	6.38E-03	0.00E+00	6.38E-03	1.11E-03
8159	499581.6	3734007	6.27E-03	0.00E+00	6.27E-03	1.09E-03
8160	499572.7	3734003	6.17E-03	0.00E+00	6.17E-03	1.08E-03
8161	499563.7	3733999	6.07E-03	0.00E+00	6.07E-03	1.06E-03
8162	499554.8	3733995	5.96E-03	0.00E+00	5.96E-03	1.04E-03
8163	499545.8	3733992	5.86E-03	0.00E+00	5.86E-03	1.02E-03
8164	499536.9	3733988	5.75E-03	0.00E+00	5.75E-03	1.00E-03
8165	499528	3733984	5.65E-03	0.00E+00	5.65E-03	9.84E-04
8166	499519	3733981	5.54E-03	0.00E+00	5.54E-03	9.65E-04
8167	499510.1	3733977	5.43E-03	0.00E+00	5.43E-03	9.46E-04
8168	499501.1	3733973	5.32E-03	0.00E+00	5.32E-03	9.28E-04
8169	499492.2	3733969	5.22E-03	0.00E+00	5.22E-03	9.09E-04
8170	499483.3	3733966	5.11E-03	0.00E+00	5.11E-03	8.91E-04
8171	499474.3	3733962	5.01E-03	0.00E+00	5.01E-03	8.72E-04

8172	499465.4	3733958	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8173	499456.4	3733954	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8174	499443.9	3733942	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8175	499440.2	3733933	4.63E-03	0.00E+00	4.63E-03	8.06E-04
8176	499436.6	3733924	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8177	499432.9	3733915	4.56E-03	0.00E+00	4.56E-03	7.94E-04
8178	499429.3	3733906	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8179	499425.6	3733897	4.48E-03	0.00E+00	4.48E-03	7.80E-04
8180	499356.4	3733726	3.57E-03	0.00E+00	3.57E-03	6.22E-04
8181	499352.8	3733717	3.52E-03	0.00E+00	3.52E-03	6.14E-04
8182	499349.1	3733708	3.47E-03	0.00E+00	3.47E-03	6.05E-04
8183	499345.5	3733699	3.42E-03	0.00E+00	3.42E-03	5.96E-04
8184	499341.8	3733690	3.37E-03	0.00E+00	3.37E-03	5.87E-04
8185	499320	3733636	3.07E-03	0.00E+00	3.07E-03	5.35E-04
8186	499316.3	3733627	3.02E-03	0.00E+00	3.02E-03	5.27E-04
8187	499312.7	3733618	2.98E-03	0.00E+00	2.98E-03	5.19E-04
8188	499309.1	3733609	2.93E-03	0.00E+00	2.93E-03	5.11E-04
8189	499305.4	3733600	2.88E-03	0.00E+00	2.88E-03	5.02E-04
8190	499301.8	3733591	2.84E-03	0.00E+00	2.84E-03	4.95E-04
8191	499298.1	3733582	2.79E-03	0.00E+00	2.79E-03	4.87E-04
8192	499294.5	3733573	2.75E-03	0.00E+00	2.75E-03	4.79E-04
8193	499290.8	3733564	2.71E-03	0.00E+00	2.71E-03	4.71E-04
8194	499283.6	3733546	2.62E-03	0.00E+00	2.62E-03	4.57E-04
8195	499858.7	3734123	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8196	499868.6	3734123	7.62E-03	0.00E+00	7.62E-03	1.33E-03
8197	499878.4	3734123	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8198	499888.2	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8199	499898	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8200	499907.9	3734123	7.66E-03	0.00E+00	7.66E-03	1.33E-03
8201	499917.7	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8202	499927.5	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8203	499937.3	3734123	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8204	499947.2	3734123	7.62E-03	0.00E+00	7.62E-03	1.33E-03
8205	499957	3734123	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8206	499966.8	3734123	7.57E-03	0.00E+00	7.57E-03	1.32E-03
8207	499976.6	3734123	7.54E-03	0.00E+00	7.54E-03	1.31E-03
8208	499986.5	3734123	7.50E-03	0.00E+00	7.50E-03	1.31E-03
8209	499996.3	3734123	7.46E-03	0.00E+00	7.46E-03	1.30E-03
8210	500006.1	3734123	7.42E-03	0.00E+00	7.42E-03	1.29E-03
8211	500015.9	3734123	7.37E-03	0.00E+00	7.37E-03	1.28E-03
8212	500025.8	3734123	7.32E-03	0.00E+00	7.32E-03	1.27E-03
8213	500035.6	3734123	7.26E-03	0.00E+00	7.26E-03	1.27E-03
8214	500045.4	3734123	7.20E-03	0.00E+00	7.20E-03	1.25E-03
8215	500055.2	3734123	7.14E-03	0.00E+00	7.14E-03	1.24E-03
8216	500065.1	3734123	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8217	500074.9	3734123	7.01E-03	0.00E+00	7.01E-03	1.22E-03
8218	500084.7	3734123	6.93E-03	0.00E+00	6.93E-03	1.21E-03

8219	500094.5	3734123	6.86E-03	0.00E+00	6.86E-03	1.20E-03
8220	500104.4	3734123	6.78E-03	0.00E+00	6.78E-03	1.18E-03
8221	500114.2	3734123	6.70E-03	0.00E+00	6.70E-03	1.17E-03
8222	500124	3734123	6.62E-03	0.00E+00	6.62E-03	1.15E-03
8223	500133.8	3734123	6.54E-03	0.00E+00	6.54E-03	1.14E-03
8224	500143.7	3734123	6.46E-03	0.00E+00	6.46E-03	1.12E-03
8225	500153.5	3734123	6.37E-03	0.00E+00	6.37E-03	1.11E-03
8226	500163.3	3734123	6.28E-03	0.00E+00	6.28E-03	1.09E-03
8227	500173.1	3734123	6.19E-03	0.00E+00	6.19E-03	1.08E-03
8228	500183	3734123	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8229	499769	3734125	7.16E-03	0.00E+00	7.16E-03	1.25E-03
8230	499760	3734121	7.14E-03	0.00E+00	7.14E-03	1.24E-03
8231	499751	3734118	7.13E-03	0.00E+00	7.13E-03	1.24E-03
8232	499742	3734114	7.11E-03	0.00E+00	7.11E-03	1.24E-03
8233	499733.1	3734110	7.08E-03	0.00E+00	7.08E-03	1.23E-03
8234	499724.1	3734106	7.05E-03	0.00E+00	7.05E-03	1.23E-03
8235	499715.1	3734103	7.01E-03	0.00E+00	7.01E-03	1.22E-03
8236	499706.2	3734099	6.97E-03	0.00E+00	6.97E-03	1.21E-03
8237	499697.2	3734095	6.93E-03	0.00E+00	6.93E-03	1.21E-03
8238	499688.2	3734091	6.88E-03	0.00E+00	6.88E-03	1.20E-03
8239	499679.2	3734088	6.83E-03	0.00E+00	6.83E-03	1.19E-03
8240	499670.3	3734084	6.77E-03	0.00E+00	6.77E-03	1.18E-03
8241	499661.3	3734080	6.71E-03	0.00E+00	6.71E-03	1.17E-03
8242	499652.3	3734076	6.64E-03	0.00E+00	6.64E-03	1.16E-03
8243	499643.3	3734073	6.58E-03	0.00E+00	6.58E-03	1.15E-03
8244	499634.4	3734069	6.51E-03	0.00E+00	6.51E-03	1.13E-03
8245	499625.4	3734065	6.43E-03	0.00E+00	6.43E-03	1.12E-03
8246	499616.4	3734061	6.36E-03	0.00E+00	6.36E-03	1.11E-03
8247	499607.5	3734058	6.28E-03	0.00E+00	6.28E-03	1.09E-03
8248	499598.5	3734054	6.19E-03	0.00E+00	6.19E-03	1.08E-03
8249	499589.5	3734050	6.11E-03	0.00E+00	6.11E-03	1.06E-03
8250	499580.5	3734046	6.02E-03	0.00E+00	6.02E-03	1.05E-03
8251	499571.6	3734043	5.93E-03	0.00E+00	5.93E-03	1.03E-03
8252	499562.6	3734039	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8253	499553.6	3734035	5.75E-03	0.00E+00	5.75E-03	1.00E-03
8254	499544.7	3734031	5.66E-03	0.00E+00	5.66E-03	9.86E-04
8255	499535.7	3734028	5.57E-03	0.00E+00	5.57E-03	9.70E-04
8256	499526.7	3734024	5.47E-03	0.00E+00	5.47E-03	9.53E-04
8257	499517.7	3734020	5.38E-03	0.00E+00	5.38E-03	9.37E-04
8258	499508.8	3734016	5.28E-03	0.00E+00	5.28E-03	9.20E-04
8259	499499.8	3734013	5.18E-03	0.00E+00	5.18E-03	9.03E-04
8260	499490.8	3734009	5.09E-03	0.00E+00	5.09E-03	8.87E-04
8261	499481.9	3734005	4.99E-03	0.00E+00	4.99E-03	8.70E-04
8262	499472.9	3734001	4.90E-03	0.00E+00	4.90E-03	8.53E-04
8263	499463.9	3733997	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8264	499454.9	3733994	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8265	499446	3733990	4.61E-03	0.00E+00	4.61E-03	8.03E-04

8266	499437	3733986	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8267	499428	3733982	4.42E-03	0.00E+00	4.42E-03	7.71E-04
8268	499415.4	3733970	4.30E-03	0.00E+00	4.30E-03	7.49E-04
8269	499411.7	3733961	4.27E-03	0.00E+00	4.27E-03	7.44E-04
8270	499408.1	3733952	4.24E-03	0.00E+00	4.24E-03	7.39E-04
8271	499404.4	3733943	4.21E-03	0.00E+00	4.21E-03	7.33E-04
8272	499400.8	3733934	4.17E-03	0.00E+00	4.17E-03	7.27E-04
8273	499320.3	3733735	3.23E-03	0.00E+00	3.23E-03	5.63E-04
8274	499316.7	3733726	3.19E-03	0.00E+00	3.19E-03	5.55E-04
8275	499313	3733717	3.14E-03	0.00E+00	3.14E-03	5.47E-04
8276	499287.4	3733654	2.83E-03	0.00E+00	2.83E-03	4.93E-04
8277	499283.8	3733645	2.79E-03	0.00E+00	2.79E-03	4.86E-04
8278	499280.1	3733636	2.75E-03	0.00E+00	2.75E-03	4.79E-04
8279	499276.5	3733627	2.71E-03	0.00E+00	2.71E-03	4.72E-04
8280	499272.8	3733618	2.67E-03	0.00E+00	2.67E-03	4.64E-04
8281	499269.2	3733609	2.63E-03	0.00E+00	2.63E-03	4.57E-04
8282	499265.5	3733600	2.59E-03	0.00E+00	2.59E-03	4.51E-04
8283	499250.9	3733564	2.43E-03	0.00E+00	2.43E-03	4.24E-04
8284	499243.6	3733546	2.36E-03	0.00E+00	2.36E-03	4.11E-04
8285	499858.7	3734163	7.03E-03	0.00E+00	7.03E-03	1.23E-03
8286	499868.5	3734163	7.05E-03	0.00E+00	7.05E-03	1.23E-03
8287	499878.3	3734163	7.06E-03	0.00E+00	7.06E-03	1.23E-03
8288	499888.1	3734163	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8289	499898	3734163	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8290	499907.8	3734163	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8291	499917.6	3734163	7.06E-03	0.00E+00	7.06E-03	1.23E-03
8292	499927.4	3734163	7.05E-03	0.00E+00	7.05E-03	1.23E-03
8293	499937.3	3734163	7.04E-03	0.00E+00	7.04E-03	1.23E-03
8294	499947.1	3734163	7.02E-03	0.00E+00	7.02E-03	1.22E-03
8295	499956.9	3734163	7.00E-03	0.00E+00	7.00E-03	1.22E-03
8296	499966.7	3734163	6.97E-03	0.00E+00	6.97E-03	1.22E-03
8297	499976.6	3734163	6.95E-03	0.00E+00	6.95E-03	1.21E-03
8298	499986.4	3734163	6.91E-03	0.00E+00	6.91E-03	1.20E-03
8299	499996.2	3734163	6.88E-03	0.00E+00	6.88E-03	1.20E-03
8300	500006	3734163	6.84E-03	0.00E+00	6.84E-03	1.19E-03
8301	500015.9	3734163	6.79E-03	0.00E+00	6.79E-03	1.18E-03
8302	500025.7	3734163	6.75E-03	0.00E+00	6.75E-03	1.18E-03
8303	500035.5	3734163	6.70E-03	0.00E+00	6.70E-03	1.17E-03
8304	500045.3	3734163	6.64E-03	0.00E+00	6.64E-03	1.16E-03
8305	500055.2	3734163	6.59E-03	0.00E+00	6.59E-03	1.15E-03
8306	500065	3734163	6.53E-03	0.00E+00	6.53E-03	1.14E-03
8307	500074.8	3734163	6.47E-03	0.00E+00	6.47E-03	1.13E-03
8308	500084.6	3734163	6.41E-03	0.00E+00	6.41E-03	1.12E-03
8309	500094.5	3734163	6.34E-03	0.00E+00	6.34E-03	1.11E-03
8310	500104.3	3734163	6.28E-03	0.00E+00	6.28E-03	1.09E-03
8311	500114.1	3734163	6.21E-03	0.00E+00	6.21E-03	1.08E-03
8312	500123.9	3734163	6.13E-03	0.00E+00	6.13E-03	1.07E-03

8313	500133.8	3734163	6.06E-03	0.00E+00	6.06E-03	1.06E-03
8314	500143.6	3734163	5.99E-03	0.00E+00	5.99E-03	1.04E-03
8315	500153.4	3734163	5.91E-03	0.00E+00	5.91E-03	1.03E-03
8316	500163.2	3734163	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8317	500173.1	3734163	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8318	500182.9	3734163	5.68E-03	0.00E+00	5.68E-03	9.90E-04
8319	499849.6	3734199	6.57E-03	0.00E+00	6.57E-03	1.14E-03
8320	499840.6	3734195	6.60E-03	0.00E+00	6.60E-03	1.15E-03
8321	499831.6	3734191	6.62E-03	0.00E+00	6.62E-03	1.15E-03
8322	499822.6	3734188	6.64E-03	0.00E+00	6.64E-03	1.16E-03
8323	499813.6	3734184	6.66E-03	0.00E+00	6.66E-03	1.16E-03
8324	499804.6	3734180	6.67E-03	0.00E+00	6.67E-03	1.16E-03
8325	499795.6	3734176	6.68E-03	0.00E+00	6.68E-03	1.16E-03
8326	499786.6	3734173	6.69E-03	0.00E+00	6.69E-03	1.17E-03
8327	499777.6	3734169	6.69E-03	0.00E+00	6.69E-03	1.17E-03
8328	499768.6	3734165	6.69E-03	0.00E+00	6.69E-03	1.17E-03
8329	499759.6	3734161	6.68E-03	0.00E+00	6.68E-03	1.16E-03
8330	499669.6	3734124	6.40E-03	0.00E+00	6.40E-03	1.11E-03
8331	499660.6	3734120	6.35E-03	0.00E+00	6.35E-03	1.11E-03
8332	499651.6	3734116	6.30E-03	0.00E+00	6.30E-03	1.10E-03
8333	499642.6	3734112	6.24E-03	0.00E+00	6.24E-03	1.09E-03
8334	499633.6	3734109	6.18E-03	0.00E+00	6.18E-03	1.08E-03
8335	499624.6	3734105	6.12E-03	0.00E+00	6.12E-03	1.07E-03
8336	499615.6	3734101	6.06E-03	0.00E+00	6.06E-03	1.06E-03
8337	499606.6	3734097	5.99E-03	0.00E+00	5.99E-03	1.04E-03
8338	499597.6	3734093	5.92E-03	0.00E+00	5.92E-03	1.03E-03
8339	499588.6	3734090	5.85E-03	0.00E+00	5.85E-03	1.02E-03
8340	499579.6	3734086	5.77E-03	0.00E+00	5.77E-03	1.01E-03
8341	499570.6	3734082	5.70E-03	0.00E+00	5.70E-03	9.93E-04
8342	499561.6	3734078	5.62E-03	0.00E+00	5.62E-03	9.79E-04
8343	499552.6	3734075	5.54E-03	0.00E+00	5.54E-03	9.65E-04
8344	499543.6	3734071	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8345	499534.6	3734067	5.38E-03	0.00E+00	5.38E-03	9.37E-04
8346	499525.6	3734063	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8347	499516.6	3734060	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8348	499507.6	3734056	5.12E-03	0.00E+00	5.12E-03	8.93E-04
8349	499498.6	3734052	5.04E-03	0.00E+00	5.04E-03	8.78E-04
8350	499489.6	3734048	4.95E-03	0.00E+00	4.95E-03	8.63E-04
8351	499480.6	3734045	4.87E-03	0.00E+00	4.87E-03	8.48E-04
8352	499471.6	3734041	4.78E-03	0.00E+00	4.78E-03	8.33E-04
8353	499462.6	3734037	4.69E-03	0.00E+00	4.69E-03	8.18E-04
8354	499453.6	3734033	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8355	499444.6	3734029	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8356	499435.6	3734026	4.43E-03	0.00E+00	4.43E-03	7.72E-04
8357	499426.6	3734022	4.35E-03	0.00E+00	4.35E-03	7.57E-04
8358	499417.6	3734018	4.26E-03	0.00E+00	4.26E-03	7.43E-04
8359	499408.6	3734014	4.18E-03	0.00E+00	4.18E-03	7.28E-04

8360	499399.6	3734011	4.09E-03	0.00E+00	4.09E-03	7.13E-04
8361	499353.9	3733916	3.70E-03	0.00E+00	3.70E-03	6.44E-04
8362	499350.3	3733907	3.66E-03	0.00E+00	3.66E-03	6.38E-04
8363	499346.6	3733898	3.62E-03	0.00E+00	3.62E-03	6.31E-04
8364	499342.9	3733889	3.59E-03	0.00E+00	3.59E-03	6.25E-04
8365	499284.3	3733745	2.94E-03	0.00E+00	2.94E-03	5.12E-04
8366	499280.6	3733736	2.90E-03	0.00E+00	2.90E-03	5.05E-04
8367	499258.6	3733681	2.66E-03	0.00E+00	2.66E-03	4.64E-04
8368	499254.9	3733672	2.62E-03	0.00E+00	2.62E-03	4.57E-04
8369	499251.3	3733663	2.58E-03	0.00E+00	2.58E-03	4.50E-04
8370	499247.6	3733654	2.55E-03	0.00E+00	2.55E-03	4.44E-04
8371	499243.9	3733645	2.51E-03	0.00E+00	2.51E-03	4.37E-04
8372	499240.3	3733636	2.47E-03	0.00E+00	2.47E-03	4.31E-04
8373	499236.6	3733627	2.44E-03	0.00E+00	2.44E-03	4.25E-04
8374	499203.6	3733546	2.14E-03	0.00E+00	2.14E-03	3.72E-04
8375	499858.6	3734203	6.54E-03	0.00E+00	6.54E-03	1.14E-03
8376	499868.4	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8377	499878.2	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8378	499888.1	3734203	6.56E-03	0.00E+00	6.56E-03	1.14E-03
8379	499897.9	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8380	499907.7	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8381	499917.5	3734203	6.54E-03	0.00E+00	6.54E-03	1.14E-03
8382	499927.4	3734203	6.53E-03	0.00E+00	6.53E-03	1.14E-03
8383	499937.2	3734203	6.52E-03	0.00E+00	6.52E-03	1.14E-03
8384	499947	3734203	6.50E-03	0.00E+00	6.50E-03	1.13E-03
8385	499956.8	3734203	6.48E-03	0.00E+00	6.48E-03	1.13E-03
8386	499966.7	3734203	6.45E-03	0.00E+00	6.45E-03	1.12E-03
8387	499976.5	3734203	6.43E-03	0.00E+00	6.43E-03	1.12E-03
8388	499986.3	3734203	6.40E-03	0.00E+00	6.40E-03	1.11E-03
8389	499996.1	3734203	6.36E-03	0.00E+00	6.36E-03	1.11E-03
8390	500006	3734203	6.33E-03	0.00E+00	6.33E-03	1.10E-03
8391	500015.8	3734203	6.29E-03	0.00E+00	6.29E-03	1.10E-03
8392	500025.6	3734203	6.24E-03	0.00E+00	6.24E-03	1.09E-03
8393	500035.4	3734203	6.20E-03	0.00E+00	6.20E-03	1.08E-03
8394	500045.3	3734203	6.15E-03	0.00E+00	6.15E-03	1.07E-03
8395	500055.1	3734203	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8396	500064.9	3734203	6.05E-03	0.00E+00	6.05E-03	1.05E-03
8397	500074.7	3734203	6.00E-03	0.00E+00	6.00E-03	1.04E-03
8398	500084.6	3734203	5.94E-03	0.00E+00	5.94E-03	1.04E-03
8399	500094.4	3734203	5.88E-03	0.00E+00	5.88E-03	1.03E-03
8400	500104.2	3734203	5.82E-03	0.00E+00	5.82E-03	1.01E-03
8401	500114	3734203	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8402	500123.9	3734203	5.70E-03	0.00E+00	5.70E-03	9.93E-04
8403	500133.7	3734203	5.64E-03	0.00E+00	5.64E-03	9.82E-04
8404	500143.5	3734203	5.57E-03	0.00E+00	5.57E-03	9.71E-04
8405	500153.3	3734203	5.51E-03	0.00E+00	5.51E-03	9.60E-04
8406	500163.1	3734203	5.44E-03	0.00E+00	5.44E-03	9.48E-04

8407	500173	3734203	5.37E-03	0.00E+00	5.37E-03	9.36E-04
8408	500182.8	3734203	5.30E-03	0.00E+00	5.30E-03	9.24E-04
8409	499849.5	3734239	6.12E-03	0.00E+00	6.12E-03	1.07E-03
8410	499840.5	3734235	6.15E-03	0.00E+00	6.15E-03	1.07E-03
8411	499831.4	3734231	6.18E-03	0.00E+00	6.18E-03	1.08E-03
8412	499822.4	3734228	6.20E-03	0.00E+00	6.20E-03	1.08E-03
8413	499813.4	3734224	6.22E-03	0.00E+00	6.22E-03	1.08E-03
8414	499804.4	3734220	6.23E-03	0.00E+00	6.23E-03	1.09E-03
8415	499795.3	3734216	6.24E-03	0.00E+00	6.24E-03	1.09E-03
8416	499786.3	3734213	6.25E-03	0.00E+00	6.25E-03	1.09E-03
8417	499777.3	3734209	6.26E-03	0.00E+00	6.26E-03	1.09E-03
8418	499768.3	3734205	6.26E-03	0.00E+00	6.26E-03	1.09E-03
8419	499759.2	3734201	6.26E-03	0.00E+00	6.26E-03	1.09E-03
8420	499750.2	3734197	6.25E-03	0.00E+00	6.25E-03	1.09E-03
8421	499741.2	3734194	6.25E-03	0.00E+00	6.25E-03	1.09E-03
8422	499732.2	3734190	6.23E-03	0.00E+00	6.23E-03	1.09E-03
8423	499723.1	3734186	6.22E-03	0.00E+00	6.22E-03	1.08E-03
8424	499714.1	3734182	6.20E-03	0.00E+00	6.20E-03	1.08E-03
8425	499705.1	3734179	6.18E-03	0.00E+00	6.18E-03	1.08E-03
8426	499696.1	3734175	6.15E-03	0.00E+00	6.15E-03	1.07E-03
8427	499687	3734171	6.12E-03	0.00E+00	6.12E-03	1.07E-03
8428	499678	3734167	6.09E-03	0.00E+00	6.09E-03	1.06E-03
8429	499669	3734163	6.05E-03	0.00E+00	6.05E-03	1.05E-03
8430	499569.7	3734122	5.47E-03	0.00E+00	5.47E-03	9.52E-04
8431	499560.7	3734118	5.40E-03	0.00E+00	5.40E-03	9.41E-04
8432	499551.7	3734114	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8433	499542.7	3734111	5.26E-03	0.00E+00	5.26E-03	9.16E-04
8434	499533.6	3734107	5.19E-03	0.00E+00	5.19E-03	9.04E-04
8435	499524.6	3734103	5.11E-03	0.00E+00	5.11E-03	8.91E-04
8436	499515.6	3734099	5.04E-03	0.00E+00	5.04E-03	8.78E-04
8437	499506.6	3734095	4.96E-03	0.00E+00	4.96E-03	8.65E-04
8438	499497.5	3734092	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8439	499488.5	3734088	4.81E-03	0.00E+00	4.81E-03	8.38E-04
8440	499479.5	3734084	4.73E-03	0.00E+00	4.73E-03	8.25E-04
8441	499470.5	3734080	4.66E-03	0.00E+00	4.66E-03	8.11E-04
8442	499461.4	3734077	4.58E-03	0.00E+00	4.58E-03	7.98E-04
8443	499452.4	3734073	4.50E-03	0.00E+00	4.50E-03	7.84E-04
8444	499443.4	3734069	4.42E-03	0.00E+00	4.42E-03	7.70E-04
8445	499434.4	3734065	4.34E-03	0.00E+00	4.34E-03	7.57E-04
8446	499425.3	3734061	4.27E-03	0.00E+00	4.27E-03	7.43E-04
8447	499416.3	3734058	4.19E-03	0.00E+00	4.19E-03	7.30E-04
8448	499407.3	3734054	4.11E-03	0.00E+00	4.11E-03	7.16E-04
8449	499398.3	3734050	4.03E-03	0.00E+00	4.03E-03	7.02E-04
8450	499358.5	3734026	3.70E-03	0.00E+00	3.70E-03	6.45E-04
8451	499354.8	3734017	3.68E-03	0.00E+00	3.68E-03	6.41E-04
8452	499351.1	3734008	3.65E-03	0.00E+00	3.65E-03	6.36E-04
8453	499347.5	3733999	3.62E-03	0.00E+00	3.62E-03	6.32E-04

8454	499343.8	3733990	3.60E-03	0.00E+00	3.60E-03	6.27E-04
8455	499340.1	3733981	3.57E-03	0.00E+00	3.57E-03	6.21E-04
8456	499321.7	3733935	3.41E-03	0.00E+00	3.41E-03	5.94E-04
8457	499318	3733926	3.38E-03	0.00E+00	3.38E-03	5.88E-04
8458	499314.4	3733917	3.34E-03	0.00E+00	3.34E-03	5.82E-04
8459	499310.7	3733908	3.31E-03	0.00E+00	3.31E-03	5.76E-04
8460	499307	3733899	3.27E-03	0.00E+00	3.27E-03	5.70E-04
8461	499303.3	3733890	3.24E-03	0.00E+00	3.24E-03	5.64E-04
8462	499229.8	3733709	2.51E-03	0.00E+00	2.51E-03	4.37E-04
8463	499226.1	3733700	2.47E-03	0.00E+00	2.47E-03	4.31E-04
8464	499222.4	3733690	2.44E-03	0.00E+00	2.44E-03	4.25E-04
8465	499218.8	3733681	2.40E-03	0.00E+00	2.40E-03	4.19E-04
8466	499215.1	3733672	2.37E-03	0.00E+00	2.37E-03	4.13E-04
8467	499211.4	3733663	2.34E-03	0.00E+00	2.34E-03	4.07E-04
8468	499207.7	3733654	2.30E-03	0.00E+00	2.30E-03	4.01E-04
8469	499204.1	3733645	2.27E-03	0.00E+00	2.27E-03	3.96E-04
8470	499167.3	3733554	1.97E-03	0.00E+00	1.97E-03	3.44E-04
8471	499858.5	3734243	6.09E-03	0.00E+00	6.09E-03	1.06E-03
8472	499868.3	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8473	499878.2	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8474	499888	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8475	499897.8	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8476	499907.6	3734243	6.09E-03	0.00E+00	6.09E-03	1.06E-03
8477	499917.5	3734243	6.08E-03	0.00E+00	6.08E-03	1.06E-03
8478	499927.3	3734243	6.07E-03	0.00E+00	6.07E-03	1.06E-03
8479	499937.1	3734243	6.06E-03	0.00E+00	6.06E-03	1.06E-03
8480	499946.9	3734243	6.04E-03	0.00E+00	6.04E-03	1.05E-03
8481	499956.8	3734243	6.02E-03	0.00E+00	6.02E-03	1.05E-03
8482	499966.6	3734243	5.99E-03	0.00E+00	5.99E-03	1.04E-03
8483	499976.4	3734243	5.97E-03	0.00E+00	5.97E-03	1.04E-03
8484	499986.2	3734243	5.94E-03	0.00E+00	5.94E-03	1.03E-03
8485	499996.1	3734243	5.91E-03	0.00E+00	5.91E-03	1.03E-03
8486	500005.9	3734243	5.88E-03	0.00E+00	5.88E-03	1.02E-03
8487	500015.7	3734243	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8488	500025.5	3734243	5.80E-03	0.00E+00	5.80E-03	1.01E-03
8489	500035.4	3734243	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8490	500045.2	3734243	5.72E-03	0.00E+00	5.72E-03	9.96E-04
8491	500055	3734243	5.67E-03	0.00E+00	5.67E-03	9.89E-04
8492	500064.8	3734243	5.63E-03	0.00E+00	5.63E-03	9.81E-04
8493	500074.6	3734243	5.58E-03	0.00E+00	5.58E-03	9.72E-04
8494	500084.5	3734243	5.53E-03	0.00E+00	5.53E-03	9.64E-04
8495	500094.3	3734243	5.48E-03	0.00E+00	5.48E-03	9.55E-04
8496	500104.1	3734243	5.43E-03	0.00E+00	5.43E-03	9.46E-04
8497	500113.9	3734243	5.37E-03	0.00E+00	5.37E-03	9.36E-04
8498	500123.8	3734243	5.32E-03	0.00E+00	5.32E-03	9.27E-04
8499	500133.6	3734243	5.26E-03	0.00E+00	5.26E-03	9.17E-04
8500	500143.4	3734243	5.20E-03	0.00E+00	5.20E-03	9.07E-04

8501	500153.2	3734243	5.15E-03	0.00E+00	5.15E-03	8.97E-04
8502	500163.1	3734243	5.09E-03	0.00E+00	5.09E-03	8.86E-04
8503	500172.9	3734243	5.03E-03	0.00E+00	5.03E-03	8.76E-04
8504	500182.7	3734243	4.97E-03	0.00E+00	4.97E-03	8.65E-04
8505	499849.4	3734279	5.72E-03	0.00E+00	5.72E-03	9.97E-04
8506	499840.3	3734275	5.75E-03	0.00E+00	5.75E-03	1.00E-03
8507	499831.3	3734271	5.77E-03	0.00E+00	5.77E-03	1.01E-03
8508	499822.2	3734268	5.80E-03	0.00E+00	5.80E-03	1.01E-03
8509	499813.2	3734264	5.82E-03	0.00E+00	5.82E-03	1.01E-03
8510	499804.2	3734260	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8511	499795.1	3734256	5.85E-03	0.00E+00	5.85E-03	1.02E-03
8512	499786.1	3734252	5.86E-03	0.00E+00	5.86E-03	1.02E-03
8513	499777	3734249	5.87E-03	0.00E+00	5.87E-03	1.02E-03
8514	499768	3734245	5.87E-03	0.00E+00	5.87E-03	1.02E-03
8515	499758.9	3734241	5.88E-03	0.00E+00	5.88E-03	1.02E-03
8516	499749.9	3734237	5.88E-03	0.00E+00	5.88E-03	1.02E-03
8517	499740.8	3734234	5.87E-03	0.00E+00	5.87E-03	1.02E-03
8518	499731.8	3734230	5.86E-03	0.00E+00	5.86E-03	1.02E-03
8519	499722.7	3734226	5.85E-03	0.00E+00	5.85E-03	1.02E-03
8520	499713.7	3734222	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8521	499704.6	3734218	5.83E-03	0.00E+00	5.83E-03	1.02E-03
8522	499695.6	3734215	5.81E-03	0.00E+00	5.81E-03	1.01E-03
8523	499686.5	3734211	5.78E-03	0.00E+00	5.78E-03	1.01E-03
8524	499677.5	3734207	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8525	499668.5	3734203	5.73E-03	0.00E+00	5.73E-03	9.98E-04
8526	499659.4	3734199	5.70E-03	0.00E+00	5.70E-03	9.93E-04
8527	499650.4	3734196	5.66E-03	0.00E+00	5.66E-03	9.87E-04
8528	499641.3	3734192	5.63E-03	0.00E+00	5.63E-03	9.80E-04
8529	499632.3	3734188	5.59E-03	0.00E+00	5.59E-03	9.73E-04
8530	499623.2	3734184	5.54E-03	0.00E+00	5.54E-03	9.66E-04
8531	499614.2	3734180	5.50E-03	0.00E+00	5.50E-03	9.58E-04
8532	499605.1	3734177	5.45E-03	0.00E+00	5.45E-03	9.50E-04
8533	499596.1	3734173	5.40E-03	0.00E+00	5.40E-03	9.41E-04
8534	499587	3734169	5.35E-03	0.00E+00	5.35E-03	9.32E-04
8535	499578	3734165	5.30E-03	0.00E+00	5.30E-03	9.23E-04
8536	499568.9	3734162	5.24E-03	0.00E+00	5.24E-03	9.13E-04
8537	499478.5	3734124	4.60E-03	0.00E+00	4.60E-03	8.01E-04
8538	499469.4	3734120	4.53E-03	0.00E+00	4.53E-03	7.89E-04
8539	499460.4	3734116	4.46E-03	0.00E+00	4.46E-03	7.77E-04
8540	499451.3	3734112	4.39E-03	0.00E+00	4.39E-03	7.65E-04
8541	499442.3	3734109	4.32E-03	0.00E+00	4.32E-03	7.52E-04
8542	499433.2	3734105	4.25E-03	0.00E+00	4.25E-03	7.40E-04
8543	499424.2	3734101	4.18E-03	0.00E+00	4.18E-03	7.28E-04
8544	499415.1	3734097	4.10E-03	0.00E+00	4.10E-03	7.15E-04
8545	499406.1	3734093	4.03E-03	0.00E+00	4.03E-03	7.03E-04
8546	499360.9	3734074	3.68E-03	0.00E+00	3.68E-03	6.41E-04
8547	499351.8	3734071	3.61E-03	0.00E+00	3.61E-03	6.29E-04

8548	499342.8	3734067	3.54E-03	0.00E+00	3.54E-03	6.18E-04
8549	499330	3734054	3.45E-03	0.00E+00	3.45E-03	6.02E-04
8550	499326.4	3734045	3.43E-03	0.00E+00	3.43E-03	5.98E-04
8551	499322.7	3734036	3.41E-03	0.00E+00	3.41E-03	5.93E-04
8552	499319	3734027	3.38E-03	0.00E+00	3.38E-03	5.89E-04
8553	499315.3	3734018	3.35E-03	0.00E+00	3.35E-03	5.85E-04
8554	499293.2	3733963	3.18E-03	0.00E+00	3.18E-03	5.55E-04
8555	499289.5	3733954	3.15E-03	0.00E+00	3.15E-03	5.50E-04
8556	499285.8	3733945	3.12E-03	0.00E+00	3.12E-03	5.44E-04
8557	499282.1	3733936	3.09E-03	0.00E+00	3.09E-03	5.39E-04
8558	499278.4	3733927	3.06E-03	0.00E+00	3.06E-03	5.33E-04
8559	499274.7	3733918	3.03E-03	0.00E+00	3.03E-03	5.28E-04
8560	499271.1	3733909	3.00E-03	0.00E+00	3.00E-03	5.22E-04
8561	499197.3	3733727	2.33E-03	0.00E+00	2.33E-03	4.07E-04
8562	499193.7	3733718	2.30E-03	0.00E+00	2.30E-03	4.01E-04
8563	499190	3733709	2.27E-03	0.00E+00	2.27E-03	3.96E-04
8564	499186.3	3733700	2.24E-03	0.00E+00	2.24E-03	3.91E-04
8565	499182.6	3733690	2.21E-03	0.00E+00	2.21E-03	3.85E-04
8566	499178.9	3733681	2.18E-03	0.00E+00	2.18E-03	3.80E-04
8567	499175.2	3733672	2.15E-03	0.00E+00	2.15E-03	3.75E-04
8568	499160.5	3733636	2.04E-03	0.00E+00	2.04E-03	3.55E-04
8569	499127.3	3733554	1.81E-03	0.00E+00	1.81E-03	3.15E-04
8570	499123.6	3733545	1.78E-03	0.00E+00	1.78E-03	3.11E-04
8571	499858.4	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8572	499868.3	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8573	499878.1	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8574	499887.9	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8575	499897.7	3734283	5.69E-03	0.00E+00	5.69E-03	9.91E-04
8576	499907.6	3734283	5.68E-03	0.00E+00	5.68E-03	9.90E-04
8577	499917.4	3734283	5.67E-03	0.00E+00	5.67E-03	9.88E-04
8578	499927.2	3734283	5.66E-03	0.00E+00	5.66E-03	9.86E-04
8579	499937	3734283	5.64E-03	0.00E+00	5.64E-03	9.83E-04
8580	499946.9	3734283	5.63E-03	0.00E+00	5.63E-03	9.80E-04
8581	499956.7	3734283	5.61E-03	0.00E+00	5.61E-03	9.77E-04
8582	499966.5	3734283	5.59E-03	0.00E+00	5.59E-03	9.73E-04
8583	499976.3	3734283	5.56E-03	0.00E+00	5.56E-03	9.69E-04
8584	499986.2	3734283	5.53E-03	0.00E+00	5.53E-03	9.64E-04
8585	499996	3734283	5.51E-03	0.00E+00	5.51E-03	9.59E-04
8586	500005.8	3734283	5.47E-03	0.00E+00	5.47E-03	9.54E-04
8587	500015.6	3734283	5.44E-03	0.00E+00	5.44E-03	9.48E-04
8588	500025.4	3734283	5.41E-03	0.00E+00	5.41E-03	9.42E-04
8589	500035.3	3734283	5.37E-03	0.00E+00	5.37E-03	9.36E-04
8590	500045.1	3734283	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8591	500054.9	3734283	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8592	500064.7	3734283	5.25E-03	0.00E+00	5.25E-03	9.15E-04
8593	500074.6	3734283	5.21E-03	0.00E+00	5.21E-03	9.07E-04
8594	500084.4	3734283	5.16E-03	0.00E+00	5.16E-03	9.00E-04

8595	500094.2	3734283	5.12E-03	0.00E+00	5.12E-03	8.92E-04
8596	500104	3734283	5.07E-03	0.00E+00	5.07E-03	8.84E-04
8597	500113.9	3734283	5.02E-03	0.00E+00	5.02E-03	8.75E-04
8598	500123.7	3734283	4.97E-03	0.00E+00	4.97E-03	8.67E-04
8599	500133.5	3734283	4.92E-03	0.00E+00	4.92E-03	8.58E-04
8600	500143.3	3734283	4.87E-03	0.00E+00	4.87E-03	8.49E-04
8601	500153.2	3734283	4.82E-03	0.00E+00	4.82E-03	8.40E-04
8602	500163	3734283	4.77E-03	0.00E+00	4.77E-03	8.31E-04
8603	500172.8	3734283	4.72E-03	0.00E+00	4.72E-03	8.22E-04
8604	500182.6	3734283	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8605	499849.4	3734319	5.36E-03	0.00E+00	5.36E-03	9.34E-04
8606	499840.5	3734315	5.39E-03	0.00E+00	5.39E-03	9.39E-04
8607	499831.6	3734312	5.41E-03	0.00E+00	5.41E-03	9.43E-04
8608	499822.7	3734308	5.43E-03	0.00E+00	5.43E-03	9.47E-04
8609	499813.8	3734304	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8610	499804.8	3734300	5.47E-03	0.00E+00	5.47E-03	9.54E-04
8611	499795.9	3734297	5.49E-03	0.00E+00	5.49E-03	9.56E-04
8612	499787	3734293	5.50E-03	0.00E+00	5.50E-03	9.59E-04
8613	499778.1	3734289	5.51E-03	0.00E+00	5.51E-03	9.60E-04
8614	499769.1	3734285	5.52E-03	0.00E+00	5.52E-03	9.62E-04
8615	499760.2	3734282	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8616	499751.3	3734278	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8617	499742.4	3734274	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8618	499733.5	3734270	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8619	499724.5	3734267	5.52E-03	0.00E+00	5.52E-03	9.62E-04
8620	499715.6	3734263	5.51E-03	0.00E+00	5.51E-03	9.61E-04
8621	499706.7	3734259	5.50E-03	0.00E+00	5.50E-03	9.59E-04
8622	499697.8	3734256	5.49E-03	0.00E+00	5.49E-03	9.57E-04
8623	499688.9	3734252	5.48E-03	0.00E+00	5.48E-03	9.54E-04
8624	499679.9	3734248	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8625	499671	3734244	5.44E-03	0.00E+00	5.44E-03	9.47E-04
8626	499662.1	3734241	5.41E-03	0.00E+00	5.41E-03	9.43E-04
8627	499653.2	3734237	5.39E-03	0.00E+00	5.39E-03	9.38E-04
8628	499644.3	3734233	5.36E-03	0.00E+00	5.36E-03	9.33E-04
8629	499635.3	3734229	5.33E-03	0.00E+00	5.33E-03	9.28E-04
8630	499626.4	3734226	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8631	499617.5	3734222	5.26E-03	0.00E+00	5.26E-03	9.16E-04
8632	499608.6	3734218	5.22E-03	0.00E+00	5.22E-03	9.09E-04
8633	499599.7	3734214	5.18E-03	0.00E+00	5.18E-03	9.03E-04
8634	499590.7	3734211	5.14E-03	0.00E+00	5.14E-03	8.95E-04
8635	499581.8	3734207	5.09E-03	0.00E+00	5.09E-03	8.87E-04
8636	499572.9	3734203	5.05E-03	0.00E+00	5.05E-03	8.79E-04
8637	499564	3734200	5.00E-03	0.00E+00	5.00E-03	8.71E-04
8638	499555.1	3734196	4.95E-03	0.00E+00	4.95E-03	8.63E-04
8639	499546.1	3734192	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8640	499537.2	3734188	4.85E-03	0.00E+00	4.85E-03	8.44E-04
8641	499528.3	3734185	4.79E-03	0.00E+00	4.79E-03	8.35E-04

8642	499519.4	3734181	4.74E-03	0.00E+00	4.74E-03	8.25E-04
8643	499510.5	3734177	4.68E-03	0.00E+00	4.68E-03	8.15E-04
8644	499501.5	3734173	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8645	499492.6	3734170	4.56E-03	0.00E+00	4.56E-03	7.95E-04
8646	499483.7	3734166	4.50E-03	0.00E+00	4.50E-03	7.85E-04
8647	499474.8	3734162	4.44E-03	0.00E+00	4.44E-03	7.74E-04
8648	499358.8	3734114	3.62E-03	0.00E+00	3.62E-03	6.31E-04
8649	499349.9	3734110	3.56E-03	0.00E+00	3.56E-03	6.20E-04
8650	499341	3734106	3.50E-03	0.00E+00	3.50E-03	6.09E-04
8651	499332	3734102	3.43E-03	0.00E+00	3.43E-03	5.98E-04
8652	499323.1	3734099	3.37E-03	0.00E+00	3.37E-03	5.88E-04
8653	499314.2	3734095	3.31E-03	0.00E+00	3.31E-03	5.77E-04
8654	499301.7	3734082	3.23E-03	0.00E+00	3.23E-03	5.63E-04
8655	499298	3734073	3.21E-03	0.00E+00	3.21E-03	5.59E-04
8656	499294.4	3734064	3.19E-03	0.00E+00	3.19E-03	5.55E-04
8657	499290.7	3734055	3.16E-03	0.00E+00	3.16E-03	5.51E-04
8658	499287.1	3734046	3.14E-03	0.00E+00	3.14E-03	5.47E-04
8659	499283.5	3734037	3.12E-03	0.00E+00	3.12E-03	5.43E-04
8660	499279.8	3734028	3.09E-03	0.00E+00	3.09E-03	5.39E-04
8661	499258	3733975	2.93E-03	0.00E+00	2.93E-03	5.11E-04
8662	499254.4	3733966	2.91E-03	0.00E+00	2.91E-03	5.06E-04
8663	499250.8	3733957	2.88E-03	0.00E+00	2.88E-03	5.01E-04
8664	499247.1	3733948	2.85E-03	0.00E+00	2.85E-03	4.96E-04
8665	499243.5	3733939	2.82E-03	0.00E+00	2.82E-03	4.91E-04
8666	499239.9	3733930	2.79E-03	0.00E+00	2.79E-03	4.86E-04
8667	499218.1	3733876	2.61E-03	0.00E+00	2.61E-03	4.55E-04
8668	499214.4	3733867	2.58E-03	0.00E+00	2.58E-03	4.50E-04
8669	499210.8	3733858	2.55E-03	0.00E+00	2.55E-03	4.44E-04
8670	499163.5	3733742	2.17E-03	0.00E+00	2.17E-03	3.78E-04
8671	499159.9	3733733	2.14E-03	0.00E+00	2.14E-03	3.73E-04
8672	499156.3	3733724	2.12E-03	0.00E+00	2.12E-03	3.69E-04
8673	499152.6	3733715	2.09E-03	0.00E+00	2.09E-03	3.64E-04
8674	499149	3733706	2.06E-03	0.00E+00	2.06E-03	3.59E-04
8675	499127.2	3733652	1.91E-03	0.00E+00	1.91E-03	3.32E-04
8676	499119.9	3733634	1.86E-03	0.00E+00	1.86E-03	3.24E-04
8677	499083.6	3733545	1.64E-03	0.00E+00	1.64E-03	2.86E-04
8678	499858.4	3734323	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8679	499868.2	3734323	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8680	499878	3734323	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8681	499887.8	3734323	5.33E-03	0.00E+00	5.33E-03	9.28E-04
8682	499897.7	3734323	5.32E-03	0.00E+00	5.32E-03	9.27E-04
8683	499907.5	3734323	5.31E-03	0.00E+00	5.31E-03	9.26E-04
8684	499917.3	3734323	5.30E-03	0.00E+00	5.30E-03	9.24E-04
8685	499927.1	3734323	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8686	499936.9	3734323	5.28E-03	0.00E+00	5.28E-03	9.19E-04
8687	499946.8	3734323	5.26E-03	0.00E+00	5.26E-03	9.16E-04
8688	499956.6	3734323	5.24E-03	0.00E+00	5.24E-03	9.13E-04

8689	499966.4	3734323	5.22E-03	0.00E+00	5.22E-03	9.09E-04
8690	499976.2	3734323	5.20E-03	0.00E+00	5.20E-03	9.06E-04
8691	499986.1	3734323	5.17E-03	0.00E+00	5.17E-03	9.01E-04
8692	499995.9	3734323	5.15E-03	0.00E+00	5.15E-03	8.97E-04
8693	500005.7	3734323	5.12E-03	0.00E+00	5.12E-03	8.92E-04
8694	500015.5	3734323	5.09E-03	0.00E+00	5.09E-03	8.86E-04
8695	500025.4	3734323	5.05E-03	0.00E+00	5.05E-03	8.81E-04
8696	500035.2	3734323	5.02E-03	0.00E+00	5.02E-03	8.75E-04
8697	500045	3734323	4.99E-03	0.00E+00	4.99E-03	8.69E-04
8698	500054.8	3734323	4.95E-03	0.00E+00	4.95E-03	8.63E-04
8699	500064.7	3734323	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8700	500074.5	3734323	4.88E-03	0.00E+00	4.88E-03	8.49E-04
8701	500084.3	3734323	4.84E-03	0.00E+00	4.84E-03	8.43E-04
8702	500094.1	3734323	4.79E-03	0.00E+00	4.79E-03	8.35E-04
8703	500104	3734323	4.75E-03	0.00E+00	4.75E-03	8.28E-04
8704	500113.8	3734323	4.71E-03	0.00E+00	4.71E-03	8.21E-04
8705	500123.6	3734323	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8706	500133.4	3734323	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8707	500143.3	3734323	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8708	500153.1	3734323	4.53E-03	0.00E+00	4.53E-03	7.89E-04
8709	500162.9	3734323	4.48E-03	0.00E+00	4.48E-03	7.81E-04
8710	500172.7	3734323	4.43E-03	0.00E+00	4.43E-03	7.73E-04
8711	500182.6	3734323	4.39E-03	0.00E+00	4.39E-03	7.64E-04
8712	499849.3	3734359	5.03E-03	0.00E+00	5.03E-03	8.77E-04
8713	499840.4	3734355	5.06E-03	0.00E+00	5.06E-03	8.82E-04
8714	499831.4	3734352	5.08E-03	0.00E+00	5.08E-03	8.86E-04
8715	499822.5	3734348	5.11E-03	0.00E+00	5.11E-03	8.90E-04
8716	499813.5	3734344	5.13E-03	0.00E+00	5.13E-03	8.93E-04
8717	499804.6	3734340	5.15E-03	0.00E+00	5.15E-03	8.97E-04
8718	499795.7	3734337	5.16E-03	0.00E+00	5.16E-03	8.99E-04
8719	499786.7	3734333	5.18E-03	0.00E+00	5.18E-03	9.02E-04
8720	499777.8	3734329	5.19E-03	0.00E+00	5.19E-03	9.04E-04
8721	499768.8	3734325	5.20E-03	0.00E+00	5.20E-03	9.06E-04
8722	499759.9	3734322	5.21E-03	0.00E+00	5.21E-03	9.07E-04
8723	499750.9	3734318	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8724	499742	3734314	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8725	499733	3734310	5.21E-03	0.00E+00	5.21E-03	9.09E-04
8726	499724.1	3734307	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8727	499715.2	3734303	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8728	499706.2	3734299	5.20E-03	0.00E+00	5.20E-03	9.06E-04
8729	499697.3	3734295	5.19E-03	0.00E+00	5.19E-03	9.05E-04
8730	499688.3	3734292	5.18E-03	0.00E+00	5.18E-03	9.03E-04
8731	499679.4	3734288	5.17E-03	0.00E+00	5.17E-03	9.01E-04
8732	499670.4	3734284	5.15E-03	0.00E+00	5.15E-03	8.98E-04
8733	499661.5	3734280	5.13E-03	0.00E+00	5.13E-03	8.95E-04
8734	499652.5	3734277	5.11E-03	0.00E+00	5.11E-03	8.91E-04
8735	499643.6	3734273	5.09E-03	0.00E+00	5.09E-03	8.87E-04

8736	499634.6	3734269	5.07E-03	0.00E+00	5.07E-03	8.83E-04
8737	499625.7	3734265	5.04E-03	0.00E+00	5.04E-03	8.78E-04
8738	499616.8	3734262	5.01E-03	0.00E+00	5.01E-03	8.73E-04
8739	499607.8	3734258	4.98E-03	0.00E+00	4.98E-03	8.67E-04
8740	499598.9	3734254	4.94E-03	0.00E+00	4.94E-03	8.62E-04
8741	499589.9	3734250	4.91E-03	0.00E+00	4.91E-03	8.55E-04
8742	499581	3734247	4.87E-03	0.00E+00	4.87E-03	8.49E-04
8743	499572	3734243	4.83E-03	0.00E+00	4.83E-03	8.42E-04
8744	499563.1	3734239	4.79E-03	0.00E+00	4.79E-03	8.35E-04
8745	499554.1	3734235	4.75E-03	0.00E+00	4.75E-03	8.27E-04
8746	499545.2	3734232	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8747	499536.3	3734228	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8748	499527.3	3734224	4.61E-03	0.00E+00	4.61E-03	8.04E-04
8749	499518.4	3734220	4.56E-03	0.00E+00	4.56E-03	7.95E-04
8750	499509.4	3734217	4.51E-03	0.00E+00	4.51E-03	7.86E-04
8751	499500.5	3734213	4.46E-03	0.00E+00	4.46E-03	7.78E-04
8752	499491.5	3734209	4.41E-03	0.00E+00	4.41E-03	7.69E-04
8753	499482.6	3734205	4.36E-03	0.00E+00	4.36E-03	7.59E-04
8754	499473.6	3734202	4.30E-03	0.00E+00	4.30E-03	7.50E-04
8755	499464.7	3734198	4.25E-03	0.00E+00	4.25E-03	7.40E-04
8756	499455.7	3734194	4.19E-03	0.00E+00	4.19E-03	7.31E-04
8757	499446.8	3734190	4.14E-03	0.00E+00	4.14E-03	7.21E-04
8758	499437.9	3734187	4.08E-03	0.00E+00	4.08E-03	7.11E-04
8759	499428.9	3734183	4.02E-03	0.00E+00	4.02E-03	7.01E-04
8760	499420	3734179	3.97E-03	0.00E+00	3.97E-03	6.91E-04
8761	499411	3734176	3.91E-03	0.00E+00	3.91E-03	6.81E-04
8762	499285.8	3734123	3.10E-03	0.00E+00	3.10E-03	5.41E-04
8763	499273.2	3734110	3.03E-03	0.00E+00	3.03E-03	5.28E-04
8764	499262.3	3734083	2.97E-03	0.00E+00	2.97E-03	5.17E-04
8765	499258.6	3734074	2.95E-03	0.00E+00	2.95E-03	5.13E-04
8766	499255	3734065	2.92E-03	0.00E+00	2.92E-03	5.09E-04
8767	499251.3	3734056	2.90E-03	0.00E+00	2.90E-03	5.05E-04
8768	499247.7	3734047	2.88E-03	0.00E+00	2.88E-03	5.01E-04
8769	499244	3734038	2.85E-03	0.00E+00	2.85E-03	4.97E-04
8770	499222.2	3733985	2.70E-03	0.00E+00	2.70E-03	4.71E-04
8771	499218.5	3733976	2.68E-03	0.00E+00	2.68E-03	4.67E-04
8772	499214.9	3733967	2.65E-03	0.00E+00	2.65E-03	4.62E-04
8773	499211.2	3733958	2.62E-03	0.00E+00	2.62E-03	4.57E-04
8774	499207.6	3733949	2.60E-03	0.00E+00	2.60E-03	4.53E-04
8775	499203.9	3733940	2.57E-03	0.00E+00	2.57E-03	4.48E-04
8776	499200.3	3733931	2.54E-03	0.00E+00	2.54E-03	4.43E-04
8777	499182.1	3733886	2.41E-03	0.00E+00	2.41E-03	4.19E-04
8778	499178.4	3733877	2.38E-03	0.00E+00	2.38E-03	4.15E-04
8779	499174.8	3733868	2.35E-03	0.00E+00	2.35E-03	4.10E-04
8780	499171.1	3733859	2.32E-03	0.00E+00	2.32E-03	4.05E-04
8781	499123.8	3733742	1.98E-03	0.00E+00	1.98E-03	3.46E-04
8782	499120.1	3733733	1.96E-03	0.00E+00	1.96E-03	3.41E-04

8783	499116.5	3733724	1.93E-03	0.00E+00	1.93E-03	3.37E-04
8784	499094.6	3733670	1.80E-03	0.00E+00	1.80E-03	3.13E-04
8785	499091	3733661	1.77E-03	0.00E+00	1.77E-03	3.09E-04
8786	499087.3	3733652	1.75E-03	0.00E+00	1.75E-03	3.05E-04
8787	499043.6	3733544	1.51E-03	0.00E+00	1.51E-03	2.64E-04
8788	499858.3	3734363	5.01E-03	0.00E+00	5.01E-03	8.72E-04
8789	499868.1	3734363	5.01E-03	0.00E+00	5.01E-03	8.72E-04
8790	499877.9	3734363	5.00E-03	0.00E+00	5.00E-03	8.72E-04
8791	499887.7	3734363	5.00E-03	0.00E+00	5.00E-03	8.71E-04
8792	499897.6	3734363	4.99E-03	0.00E+00	4.99E-03	8.70E-04
8793	499907.4	3734363	4.98E-03	0.00E+00	4.98E-03	8.68E-04
8794	499917.2	3734363	4.97E-03	0.00E+00	4.97E-03	8.66E-04
8795	499927	3734363	4.96E-03	0.00E+00	4.96E-03	8.64E-04
8796	499936.9	3734363	4.95E-03	0.00E+00	4.95E-03	8.62E-04
8797	499946.7	3734363	4.93E-03	0.00E+00	4.93E-03	8.59E-04
8798	499956.5	3734363	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8799	499966.3	3734363	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8800	499976.2	3734363	4.87E-03	0.00E+00	4.87E-03	8.49E-04
8801	499986	3734363	4.85E-03	0.00E+00	4.85E-03	8.45E-04
8802	499995.8	3734363	4.82E-03	0.00E+00	4.82E-03	8.40E-04
8803	500005.6	3734363	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8804	500015.5	3734363	4.77E-03	0.00E+00	4.77E-03	8.31E-04
8805	500025.3	3734363	4.74E-03	0.00E+00	4.74E-03	8.26E-04
8806	500035.1	3734363	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8807	500044.9	3734363	4.68E-03	0.00E+00	4.68E-03	8.15E-04
8808	500054.8	3734363	4.64E-03	0.00E+00	4.64E-03	8.09E-04
8809	500064.6	3734363	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8810	500074.4	3734363	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8811	500084.2	3734363	4.54E-03	0.00E+00	4.54E-03	7.91E-04
8812	500094.1	3734363	4.50E-03	0.00E+00	4.50E-03	7.85E-04
8813	500103.9	3734363	4.47E-03	0.00E+00	4.47E-03	7.78E-04
8814	500113.7	3734363	4.43E-03	0.00E+00	4.43E-03	7.71E-04
8815	500123.5	3734363	4.39E-03	0.00E+00	4.39E-03	7.64E-04
8816	500133.4	3734363	4.35E-03	0.00E+00	4.35E-03	7.57E-04
8817	500143.2	3734363	4.31E-03	0.00E+00	4.31E-03	7.50E-04
8818	500153	3734363	4.26E-03	0.00E+00	4.26E-03	7.43E-04
8819	500162.8	3734363	4.22E-03	0.00E+00	4.22E-03	7.36E-04
8820	500172.7	3734363	4.18E-03	0.00E+00	4.18E-03	7.28E-04
8821	500182.5	3734363	4.14E-03	0.00E+00	4.14E-03	7.21E-04
8822	499849.2	3734399	4.74E-03	0.00E+00	4.74E-03	8.26E-04
8823	499840.3	3734395	4.76E-03	0.00E+00	4.76E-03	8.30E-04
8824	499831.3	3734391	4.79E-03	0.00E+00	4.79E-03	8.34E-04
8825	499822.3	3734388	4.81E-03	0.00E+00	4.81E-03	8.38E-04
8826	499813.4	3734384	4.83E-03	0.00E+00	4.83E-03	8.42E-04
8827	499804.4	3734380	4.85E-03	0.00E+00	4.85E-03	8.45E-04
8828	499795.4	3734376	4.86E-03	0.00E+00	4.86E-03	8.48E-04
8829	499786.5	3734373	4.88E-03	0.00E+00	4.88E-03	8.50E-04

8830	499777.5	3734369	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8831	499768.5	3734365	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8832	499759.6	3734361	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8833	499750.6	3734358	4.92E-03	0.00E+00	4.92E-03	8.57E-04
8834	499741.6	3734354	4.92E-03	0.00E+00	4.92E-03	8.58E-04
8835	499732.7	3734350	4.93E-03	0.00E+00	4.93E-03	8.59E-04
8836	499723.7	3734346	4.93E-03	0.00E+00	4.93E-03	8.59E-04
8837	499714.7	3734343	4.93E-03	0.00E+00	4.93E-03	8.58E-04
8838	499705.7	3734339	4.92E-03	0.00E+00	4.92E-03	8.58E-04
8839	499696.8	3734335	4.92E-03	0.00E+00	4.92E-03	8.57E-04
8840	499687.8	3734331	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8841	499678.8	3734328	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8842	499669.9	3734324	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8843	499660.9	3734320	4.88E-03	0.00E+00	4.88E-03	8.49E-04
8844	499651.9	3734316	4.86E-03	0.00E+00	4.86E-03	8.47E-04
8845	499643	3734313	4.84E-03	0.00E+00	4.84E-03	8.44E-04
8846	499634	3734309	4.82E-03	0.00E+00	4.82E-03	8.40E-04
8847	499625	3734305	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8848	499616.1	3734301	4.78E-03	0.00E+00	4.78E-03	8.32E-04
8849	499607.1	3734298	4.75E-03	0.00E+00	4.75E-03	8.27E-04
8850	499598.1	3734294	4.72E-03	0.00E+00	4.72E-03	8.23E-04
8851	499589.2	3734290	4.69E-03	0.00E+00	4.69E-03	8.17E-04
8852	499580.2	3734286	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8853	499571.2	3734283	4.63E-03	0.00E+00	4.63E-03	8.06E-04
8854	499562.3	3734279	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8855	499553.3	3734275	4.56E-03	0.00E+00	4.56E-03	7.94E-04
8856	499544.3	3734271	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8857	499535.4	3734268	4.48E-03	0.00E+00	4.48E-03	7.80E-04
8858	499526.4	3734264	4.44E-03	0.00E+00	4.44E-03	7.73E-04
8859	499517.4	3734260	4.40E-03	0.00E+00	4.40E-03	7.66E-04
8860	499508.5	3734256	4.35E-03	0.00E+00	4.35E-03	7.58E-04
8861	499499.5	3734253	4.31E-03	0.00E+00	4.31E-03	7.50E-04
8862	499490.5	3734249	4.26E-03	0.00E+00	4.26E-03	7.42E-04
8863	499481.6	3734245	4.21E-03	0.00E+00	4.21E-03	7.34E-04
8864	499472.6	3734241	4.17E-03	0.00E+00	4.17E-03	7.26E-04
8865	499463.6	3734238	4.12E-03	0.00E+00	4.12E-03	7.18E-04
8866	499454.7	3734234	4.07E-03	0.00E+00	4.07E-03	7.09E-04
8867	499445.7	3734230	4.02E-03	0.00E+00	4.02E-03	7.00E-04
8868	499436.7	3734226	3.97E-03	0.00E+00	3.97E-03	6.91E-04
8869	499427.8	3734223	3.92E-03	0.00E+00	3.92E-03	6.82E-04
8870	499418.8	3734219	3.87E-03	0.00E+00	3.87E-03	6.73E-04
8871	499409.8	3734215	3.81E-03	0.00E+00	3.81E-03	6.64E-04
8872	499400.9	3734211	3.76E-03	0.00E+00	3.76E-03	6.55E-04
8873	499374	3734200	3.60E-03	0.00E+00	3.60E-03	6.27E-04
8874	499365	3734196	3.55E-03	0.00E+00	3.55E-03	6.18E-04
8875	499356	3734193	3.49E-03	0.00E+00	3.49E-03	6.09E-04
8876	499347	3734189	3.44E-03	0.00E+00	3.44E-03	5.99E-04

8877	499338.1	3734185	3.39E-03	0.00E+00	3.39E-03	5.90E-04
8878	499329.1	3734181	3.33E-03	0.00E+00	3.33E-03	5.81E-04
8879	499320.1	3734177	3.28E-03	0.00E+00	3.28E-03	5.71E-04
8880	499311.2	3734174	3.23E-03	0.00E+00	3.23E-03	5.62E-04
8881	499302.2	3734170	3.17E-03	0.00E+00	3.17E-03	5.53E-04
8882	499293.2	3734166	3.12E-03	0.00E+00	3.12E-03	5.44E-04
8883	499230.1	3734102	2.77E-03	0.00E+00	2.77E-03	4.83E-04
8884	499226.5	3734093	2.75E-03	0.00E+00	2.75E-03	4.79E-04
8885	499222.8	3734084	2.73E-03	0.00E+00	2.73E-03	4.75E-04
8886	499219.2	3734075	2.71E-03	0.00E+00	2.71E-03	4.72E-04
8887	499215.5	3734066	2.69E-03	0.00E+00	2.69E-03	4.68E-04
8888	499211.9	3734057	2.66E-03	0.00E+00	2.66E-03	4.64E-04
8889	499189.9	3734003	2.52E-03	0.00E+00	2.52E-03	4.40E-04
8890	499186.3	3733994	2.50E-03	0.00E+00	2.50E-03	4.35E-04
8891	499182.6	3733985	2.47E-03	0.00E+00	2.47E-03	4.31E-04
8892	499179	3733976	2.45E-03	0.00E+00	2.45E-03	4.27E-04
8893	499175.3	3733967	2.43E-03	0.00E+00	2.43E-03	4.23E-04
8894	499171.7	3733958	2.40E-03	0.00E+00	2.40E-03	4.18E-04
8895	499168	3733949	2.38E-03	0.00E+00	2.38E-03	4.14E-04
8896	499146.1	3733895	2.23E-03	0.00E+00	2.23E-03	3.88E-04
8897	499142.4	3733886	2.20E-03	0.00E+00	2.20E-03	3.83E-04
8898	499138.8	3733877	2.18E-03	0.00E+00	2.18E-03	3.79E-04
8899	499135.1	3733868	2.15E-03	0.00E+00	2.15E-03	3.75E-04
8900	499131.5	3733859	2.13E-03	0.00E+00	2.13E-03	3.70E-04
8901	499065.7	3733697	1.71E-03	0.00E+00	1.71E-03	2.99E-04
8902	499062	3733688	1.69E-03	0.00E+00	1.69E-03	2.95E-04
8903	499058.4	3733679	1.67E-03	0.00E+00	1.67E-03	2.91E-04
8904	499054.7	3733670	1.65E-03	0.00E+00	1.65E-03	2.88E-04
8905	499051.1	3733661	1.63E-03	0.00E+00	1.63E-03	2.85E-04
8906	499047.4	3733652	1.61E-03	0.00E+00	1.61E-03	2.81E-04
8907	499010.9	3733562	1.44E-03	0.00E+00	1.44E-03	2.50E-04
8908	499003.6	3733544	1.40E-03	0.00E+00	1.40E-03	2.45E-04
8909	499858.2	3734403	4.71E-03	0.00E+00	4.71E-03	8.21E-04
8910	499868	3734403	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8911	499877.8	3734403	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8912	499887.7	3734403	4.70E-03	0.00E+00	4.70E-03	8.19E-04
8913	499897.5	3734403	4.69E-03	0.00E+00	4.69E-03	8.18E-04
8914	499907.3	3734403	4.68E-03	0.00E+00	4.68E-03	8.16E-04
8915	499917.1	3734403	4.67E-03	0.00E+00	4.67E-03	8.14E-04
8916	499927	3734403	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8917	499936.8	3734403	4.65E-03	0.00E+00	4.65E-03	8.10E-04
8918	499946.6	3734403	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8919	499956.4	3734403	4.61E-03	0.00E+00	4.61E-03	8.04E-04
8920	499966.3	3734403	4.60E-03	0.00E+00	4.60E-03	8.01E-04
8921	499976.1	3734403	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8922	499985.9	3734403	4.55E-03	0.00E+00	4.55E-03	7.93E-04
8923	499995.7	3734403	4.53E-03	0.00E+00	4.53E-03	7.89E-04

8924	500005.6	3734403	4.51E-03	0.00E+00	4.51E-03	7.85E-04
8925	500015.4	3734403	4.48E-03	0.00E+00	4.48E-03	7.81E-04
8926	500025.2	3734403	4.45E-03	0.00E+00	4.45E-03	7.76E-04
8927	500035	3734403	4.43E-03	0.00E+00	4.43E-03	7.71E-04
8928	500044.9	3734403	4.40E-03	0.00E+00	4.40E-03	7.66E-04
8929	500054.7	3734403	4.37E-03	0.00E+00	4.37E-03	7.61E-04
8930	500064.5	3734403	4.34E-03	0.00E+00	4.34E-03	7.56E-04
8931	500074.3	3734403	4.31E-03	0.00E+00	4.31E-03	7.50E-04
8932	500084.2	3734403	4.27E-03	0.00E+00	4.27E-03	7.44E-04
8933	500094	3734403	4.24E-03	0.00E+00	4.24E-03	7.39E-04
8934	500103.8	3734403	4.21E-03	0.00E+00	4.21E-03	7.33E-04
8935	500113.6	3734403	4.17E-03	0.00E+00	4.17E-03	7.27E-04
8936	500123.5	3734403	4.13E-03	0.00E+00	4.13E-03	7.20E-04
8937	500133.3	3734403	4.10E-03	0.00E+00	4.10E-03	7.14E-04
8938	500143.1	3734403	4.06E-03	0.00E+00	4.06E-03	7.08E-04
8939	500152.9	3734403	4.02E-03	0.00E+00	4.02E-03	7.01E-04
8940	500162.8	3734403	3.99E-03	0.00E+00	3.99E-03	6.94E-04
8941	500172.6	3734403	3.95E-03	0.00E+00	3.95E-03	6.88E-04
8942	500182.4	3734403	3.91E-03	0.00E+00	3.91E-03	6.81E-04
8943	499849.1	3734439	4.47E-03	0.00E+00	4.47E-03	7.79E-04
8944	499840.1	3734435	4.49E-03	0.00E+00	4.49E-03	7.83E-04
8945	499831.2	3734431	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8946	499822.2	3734428	4.54E-03	0.00E+00	4.54E-03	7.91E-04
8947	499813.2	3734424	4.56E-03	0.00E+00	4.56E-03	7.94E-04
8948	499804.2	3734420	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8949	499795.2	3734416	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8950	499786.2	3734413	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8951	499777.2	3734409	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8952	499768.2	3734405	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8953	499759.2	3734401	4.64E-03	0.00E+00	4.64E-03	8.09E-04
8954	499750.3	3734398	4.65E-03	0.00E+00	4.65E-03	8.11E-04
8955	499741.3	3734394	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8956	499732.3	3734390	4.66E-03	0.00E+00	4.66E-03	8.13E-04
8957	499723.3	3734386	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8958	499714.3	3734383	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8959	499705.3	3734379	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8960	499696.3	3734375	4.66E-03	0.00E+00	4.66E-03	8.13E-04
8961	499687.3	3734371	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8962	499678.4	3734367	4.65E-03	0.00E+00	4.65E-03	8.11E-04
8963	499669.4	3734364	4.64E-03	0.00E+00	4.64E-03	8.09E-04
8964	499660.4	3734360	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8965	499651.4	3734356	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8966	499642.4	3734352	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8967	499633.4	3734349	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8968	499624.4	3734345	4.57E-03	0.00E+00	4.57E-03	7.97E-04
8969	499615.4	3734341	4.55E-03	0.00E+00	4.55E-03	7.94E-04
8970	499606.5	3734337	4.53E-03	0.00E+00	4.53E-03	7.90E-04

8971	499597.5	3734334	4.51E-03	0.00E+00	4.51E-03	7.86E-04
8972	499588.5	3734330	4.49E-03	0.00E+00	4.49E-03	7.81E-04
8973	499579.5	3734326	4.46E-03	0.00E+00	4.46E-03	7.77E-04
8974	499570.5	3734322	4.43E-03	0.00E+00	4.43E-03	7.72E-04
8975	499561.5	3734319	4.40E-03	0.00E+00	4.40E-03	7.67E-04
8976	499552.5	3734315	4.37E-03	0.00E+00	4.37E-03	7.61E-04
8977	499543.5	3734311	4.34E-03	0.00E+00	4.34E-03	7.56E-04
8978	499534.5	3734307	4.30E-03	0.00E+00	4.30E-03	7.50E-04
8979	499525.6	3734304	4.27E-03	0.00E+00	4.27E-03	7.44E-04
8980	499516.6	3734300	4.23E-03	0.00E+00	4.23E-03	7.37E-04
8981	499507.6	3734296	4.19E-03	0.00E+00	4.19E-03	7.31E-04
8982	499498.6	3734292	4.15E-03	0.00E+00	4.15E-03	7.24E-04
8983	499489.6	3734288	4.11E-03	0.00E+00	4.11E-03	7.17E-04
8984	499480.6	3734285	4.07E-03	0.00E+00	4.07E-03	7.10E-04
8985	499471.6	3734281	4.03E-03	0.00E+00	4.03E-03	7.02E-04
8986	499462.6	3734277	3.99E-03	0.00E+00	3.99E-03	6.95E-04
8987	499453.7	3734273	3.94E-03	0.00E+00	3.94E-03	6.87E-04
8988	499444.7	3734270	3.90E-03	0.00E+00	3.90E-03	6.79E-04
8989	499435.7	3734266	3.85E-03	0.00E+00	3.85E-03	6.72E-04
8990	499426.7	3734262	3.81E-03	0.00E+00	3.81E-03	6.63E-04
8991	499417.7	3734258	3.76E-03	0.00E+00	3.76E-03	6.55E-04
8992	499408.7	3734255	3.71E-03	0.00E+00	3.71E-03	6.47E-04
8993	499372.8	3734240	3.52E-03	0.00E+00	3.52E-03	6.14E-04
8994	499363.8	3734236	3.47E-03	0.00E+00	3.47E-03	6.05E-04
8995	499354.8	3734232	3.42E-03	0.00E+00	3.42E-03	5.96E-04
8996	499345.8	3734228	3.37E-03	0.00E+00	3.37E-03	5.88E-04
8997	499336.8	3734225	3.32E-03	0.00E+00	3.32E-03	5.79E-04
8998	499327.8	3734221	3.27E-03	0.00E+00	3.27E-03	5.71E-04
8999	499318.8	3734217	3.23E-03	0.00E+00	3.23E-03	5.62E-04
9000	499309.8	3734213	3.18E-03	0.00E+00	3.18E-03	5.53E-04
9001	499300.9	3734209	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9002	499291.9	3734206	3.08E-03	0.00E+00	3.08E-03	5.36E-04
9003	499282.9	3734202	3.03E-03	0.00E+00	3.03E-03	5.28E-04
9004	499273.9	3734198	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9005	499264.9	3734194	2.93E-03	0.00E+00	2.93E-03	5.11E-04
9006	499255.9	3734191	2.89E-03	0.00E+00	2.89E-03	5.03E-04
9007	499246.9	3734187	2.84E-03	0.00E+00	2.84E-03	4.94E-04
9008	499237.9	3734183	2.79E-03	0.00E+00	2.79E-03	4.86E-04
9009	499229	3734179	2.74E-03	0.00E+00	2.74E-03	4.78E-04
9010	499216.3	3734167	2.68E-03	0.00E+00	2.68E-03	4.67E-04
9011	499194.3	3734112	2.57E-03	0.00E+00	2.57E-03	4.48E-04
9012	499190.7	3734103	2.55E-03	0.00E+00	2.55E-03	4.45E-04
9013	499187	3734094	2.53E-03	0.00E+00	2.53E-03	4.41E-04
9014	499183.3	3734085	2.51E-03	0.00E+00	2.51E-03	4.38E-04
9015	499179.7	3734076	2.49E-03	0.00E+00	2.49E-03	4.34E-04
9016	499176	3734067	2.47E-03	0.00E+00	2.47E-03	4.30E-04
9017	499157.7	3734022	2.36E-03	0.00E+00	2.36E-03	4.11E-04

9018	499154	3734013	2.34E-03	0.00E+00	2.34E-03	4.08E-04
9019	499150.4	3734004	2.32E-03	0.00E+00	2.32E-03	4.04E-04
9020	499146.7	3733995	2.29E-03	0.00E+00	2.29E-03	4.00E-04
9021	499143.1	3733986	2.27E-03	0.00E+00	2.27E-03	3.96E-04
9022	499139.4	3733977	2.25E-03	0.00E+00	2.25E-03	3.92E-04
9023	499135.7	3733968	2.22E-03	0.00E+00	2.22E-03	3.88E-04
9024	499113.8	3733914	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9025	499110.1	3733905	2.06E-03	0.00E+00	2.06E-03	3.60E-04
9026	499106.4	3733896	2.04E-03	0.00E+00	2.04E-03	3.56E-04
9027	499102.8	3733887	2.02E-03	0.00E+00	2.02E-03	3.52E-04
9028	499099.1	3733878	2.00E-03	0.00E+00	2.00E-03	3.48E-04
9029	499095.4	3733869	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9030	499091.8	3733860	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9031	499029.5	3733706	1.60E-03	0.00E+00	1.60E-03	2.79E-04
9032	499025.9	3733697	1.58E-03	0.00E+00	1.58E-03	2.75E-04
9033	499022.2	3733688	1.56E-03	0.00E+00	1.56E-03	2.72E-04
9034	499018.5	3733679	1.54E-03	0.00E+00	1.54E-03	2.69E-04
9035	499014.9	3733670	1.53E-03	0.00E+00	1.53E-03	2.66E-04
9036	498978.2	3733580	1.36E-03	0.00E+00	1.36E-03	2.38E-04
9037	498970.9	3733562	1.34E-03	0.00E+00	1.34E-03	2.33E-04
9038	498967.3	3733553	1.32E-03	0.00E+00	1.32E-03	2.30E-04
9039	498963.6	3733544	1.31E-03	0.00E+00	1.31E-03	2.28E-04
9040	499858.1	3734443	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9041	499867.9	3734443	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9042	499877.8	3734443	4.44E-03	0.00E+00	4.44E-03	7.73E-04
9043	499887.6	3734443	4.43E-03	0.00E+00	4.43E-03	7.72E-04
9044	499897.4	3734443	4.42E-03	0.00E+00	4.42E-03	7.70E-04
9045	499907.2	3734443	4.41E-03	0.00E+00	4.41E-03	7.69E-04
9046	499917.1	3734443	4.40E-03	0.00E+00	4.40E-03	7.67E-04
9047	499926.9	3734443	4.39E-03	0.00E+00	4.39E-03	7.65E-04
9048	499936.7	3734443	4.38E-03	0.00E+00	4.38E-03	7.62E-04
9049	499946.5	3734443	4.36E-03	0.00E+00	4.36E-03	7.60E-04
9050	499956.4	3734443	4.34E-03	0.00E+00	4.34E-03	7.57E-04
9051	499966.2	3734443	4.33E-03	0.00E+00	4.33E-03	7.54E-04
9052	499976	3734443	4.31E-03	0.00E+00	4.31E-03	7.51E-04
9053	499985.8	3734443	4.29E-03	0.00E+00	4.29E-03	7.47E-04
9054	499995.7	3734443	4.27E-03	0.00E+00	4.27E-03	7.44E-04
9055	500005.5	3734443	4.24E-03	0.00E+00	4.24E-03	7.40E-04
9056	500015.3	3734443	4.22E-03	0.00E+00	4.22E-03	7.35E-04
9057	500025.1	3734443	4.20E-03	0.00E+00	4.20E-03	7.31E-04
9058	500035	3734443	4.17E-03	0.00E+00	4.17E-03	7.27E-04
9059	500044.8	3734443	4.14E-03	0.00E+00	4.14E-03	7.22E-04
9060	500054.6	3734443	4.12E-03	0.00E+00	4.12E-03	7.17E-04
9061	500064.4	3734443	4.09E-03	0.00E+00	4.09E-03	7.12E-04
9062	500074.3	3734443	4.06E-03	0.00E+00	4.06E-03	7.07E-04
9063	500084.1	3734443	4.03E-03	0.00E+00	4.03E-03	7.02E-04
9064	500093.9	3734443	4.00E-03	0.00E+00	4.00E-03	6.97E-04

9065	500103.7	3734443	3.97E-03	0.00E+00	3.97E-03	6.92E-04
9066	500113.6	3734443	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9067	500123.4	3734443	3.90E-03	0.00E+00	3.90E-03	6.80E-04
9068	500133.2	3734443	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9069	500143	3734443	3.84E-03	0.00E+00	3.84E-03	6.69E-04
9070	500152.8	3734443	3.80E-03	0.00E+00	3.80E-03	6.63E-04
9071	500162.7	3734443	3.77E-03	0.00E+00	3.77E-03	6.57E-04
9072	500172.5	3734443	3.73E-03	0.00E+00	3.73E-03	6.51E-04
9073	500182.3	3734443	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9074	499849.1	3734475	4.25E-03	0.00E+00	4.25E-03	7.40E-04
9075	499840.1	3734471	4.27E-03	0.00E+00	4.27E-03	7.44E-04
9076	499831.1	3734467	4.29E-03	0.00E+00	4.29E-03	7.48E-04
9077	499822.2	3734463	4.31E-03	0.00E+00	4.31E-03	7.52E-04
9078	499813.2	3734460	4.33E-03	0.00E+00	4.33E-03	7.55E-04
9079	499804.3	3734456	4.35E-03	0.00E+00	4.35E-03	7.58E-04
9080	499795.3	3734452	4.37E-03	0.00E+00	4.37E-03	7.61E-04
9081	499786.3	3734448	4.38E-03	0.00E+00	4.38E-03	7.64E-04
9082	499777.4	3734445	4.40E-03	0.00E+00	4.40E-03	7.66E-04
9083	499768.4	3734441	4.41E-03	0.00E+00	4.41E-03	7.68E-04
9084	499759.4	3734437	4.42E-03	0.00E+00	4.42E-03	7.70E-04
9085	499750.5	3734433	4.43E-03	0.00E+00	4.43E-03	7.72E-04
9086	499741.5	3734430	4.44E-03	0.00E+00	4.44E-03	7.73E-04
9087	499732.5	3734426	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9088	499723.6	3734422	4.45E-03	0.00E+00	4.45E-03	7.75E-04
9089	499714.6	3734418	4.45E-03	0.00E+00	4.45E-03	7.76E-04
9090	499705.6	3734415	4.45E-03	0.00E+00	4.45E-03	7.76E-04
9091	499696.7	3734411	4.45E-03	0.00E+00	4.45E-03	7.76E-04
9092	499687.7	3734407	4.45E-03	0.00E+00	4.45E-03	7.75E-04
9093	499678.7	3734403	4.45E-03	0.00E+00	4.45E-03	7.75E-04
9094	499669.8	3734400	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9095	499660.8	3734396	4.43E-03	0.00E+00	4.43E-03	7.72E-04
9096	499651.8	3734392	4.42E-03	0.00E+00	4.42E-03	7.71E-04
9097	499642.9	3734388	4.41E-03	0.00E+00	4.41E-03	7.69E-04
9098	499633.9	3734385	4.40E-03	0.00E+00	4.40E-03	7.67E-04
9099	499624.9	3734381	4.39E-03	0.00E+00	4.39E-03	7.64E-04
9100	499616	3734377	4.37E-03	0.00E+00	4.37E-03	7.61E-04
9101	499607	3734373	4.35E-03	0.00E+00	4.35E-03	7.58E-04
9102	499598	3734370	4.33E-03	0.00E+00	4.33E-03	7.55E-04
9103	499589.1	3734366	4.31E-03	0.00E+00	4.31E-03	7.51E-04
9104	499580.1	3734362	4.29E-03	0.00E+00	4.29E-03	7.48E-04
9105	499571.1	3734358	4.27E-03	0.00E+00	4.27E-03	7.43E-04
9106	499562.2	3734355	4.24E-03	0.00E+00	4.24E-03	7.39E-04
9107	499553.2	3734351	4.22E-03	0.00E+00	4.22E-03	7.34E-04
9108	499544.2	3734347	4.19E-03	0.00E+00	4.19E-03	7.30E-04
9109	499535.3	3734343	4.16E-03	0.00E+00	4.16E-03	7.24E-04
9110	499526.3	3734340	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9111	499517.3	3734336	4.10E-03	0.00E+00	4.10E-03	7.14E-04

9112	499508.4	3734332	4.06E-03	0.00E+00	4.06E-03	7.08E-04
9113	499499.4	3734328	4.03E-03	0.00E+00	4.03E-03	7.02E-04
9114	499490.4	3734325	3.99E-03	0.00E+00	3.99E-03	6.96E-04
9115	499481.5	3734321	3.96E-03	0.00E+00	3.96E-03	6.89E-04
9116	499472.5	3734317	3.92E-03	0.00E+00	3.92E-03	6.83E-04
9117	499463.5	3734313	3.88E-03	0.00E+00	3.88E-03	6.76E-04
9118	499454.6	3734310	3.84E-03	0.00E+00	3.84E-03	6.69E-04
9119	499445.6	3734306	3.80E-03	0.00E+00	3.80E-03	6.62E-04
9120	499436.6	3734302	3.76E-03	0.00E+00	3.76E-03	6.55E-04
9121	499427.7	3734298	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9122	499418.7	3734295	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9123	499409.8	3734291	3.63E-03	0.00E+00	3.63E-03	6.33E-04
9124	499364.9	3734272	3.41E-03	0.00E+00	3.41E-03	5.95E-04
9125	499356	3734268	3.37E-03	0.00E+00	3.37E-03	5.87E-04
9126	499347	3734265	3.32E-03	0.00E+00	3.32E-03	5.79E-04
9127	499338	3734261	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9128	499329.1	3734257	3.23E-03	0.00E+00	3.23E-03	5.63E-04
9129	499320.1	3734253	3.19E-03	0.00E+00	3.19E-03	5.55E-04
9130	499311.1	3734249	3.14E-03	0.00E+00	3.14E-03	5.47E-04
9131	499302.2	3734246	3.10E-03	0.00E+00	3.10E-03	5.39E-04
9132	499293.2	3734242	3.05E-03	0.00E+00	3.05E-03	5.31E-04
9133	499284.2	3734238	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9134	499275.3	3734234	2.96E-03	0.00E+00	2.96E-03	5.16E-04
9135	499266.3	3734231	2.91E-03	0.00E+00	2.91E-03	5.08E-04
9136	499257.3	3734227	2.87E-03	0.00E+00	2.87E-03	5.00E-04
9137	499248.4	3734223	2.82E-03	0.00E+00	2.82E-03	4.92E-04
9138	499239.4	3734219	2.78E-03	0.00E+00	2.78E-03	4.84E-04
9139	499230.4	3734216	2.74E-03	0.00E+00	2.74E-03	4.77E-04
9140	499221.5	3734212	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9141	499212.5	3734208	2.65E-03	0.00E+00	2.65E-03	4.61E-04
9142	499203.5	3734204	2.60E-03	0.00E+00	2.60E-03	4.54E-04
9143	499190.9	3734192	2.55E-03	0.00E+00	2.55E-03	4.44E-04
9144	499154.4	3734102	2.37E-03	0.00E+00	2.37E-03	4.13E-04
9145	499150.7	3734093	2.35E-03	0.00E+00	2.35E-03	4.10E-04
9146	499147.1	3734084	2.33E-03	0.00E+00	2.33E-03	4.06E-04
9147	499128.8	3734039	2.23E-03	0.00E+00	2.23E-03	3.88E-04
9148	499125.2	3734030	2.21E-03	0.00E+00	2.21E-03	3.85E-04
9149	499121.5	3734021	2.19E-03	0.00E+00	2.19E-03	3.81E-04
9150	499117.8	3734012	2.17E-03	0.00E+00	2.17E-03	3.77E-04
9151	499114.2	3734003	2.15E-03	0.00E+00	2.15E-03	3.74E-04
9152	499110.5	3733994	2.12E-03	0.00E+00	2.12E-03	3.70E-04
9153	499106.9	3733985	2.10E-03	0.00E+00	2.10E-03	3.66E-04
9154	499085	3733930	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9155	499081.3	3733921	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9156	499077.7	3733912	1.93E-03	0.00E+00	1.93E-03	3.37E-04
9157	499074	3733903	1.91E-03	0.00E+00	1.91E-03	3.33E-04
9158	499070.4	3733894	1.89E-03	0.00E+00	1.89E-03	3.29E-04

9159	499008.2	3733741	1.56E-03	0.00E+00	1.56E-03	2.72E-04
9160	499004.6	3733732	1.54E-03	0.00E+00	1.54E-03	2.69E-04
9161	499000.9	3733723	1.53E-03	0.00E+00	1.53E-03	2.66E-04
9162	498997.3	3733714	1.51E-03	0.00E+00	1.51E-03	2.63E-04
9163	498993.6	3733705	1.49E-03	0.00E+00	1.49E-03	2.60E-04
9164	498990	3733696	1.48E-03	0.00E+00	1.48E-03	2.57E-04
9165	498986.3	3733687	1.46E-03	0.00E+00	1.46E-03	2.54E-04
9166	498982.7	3733678	1.44E-03	0.00E+00	1.44E-03	2.51E-04
9167	498979	3733669	1.43E-03	0.00E+00	1.43E-03	2.49E-04
9168	498942.5	3733579	1.28E-03	0.00E+00	1.28E-03	2.23E-04
9169	498935.2	3733561	1.25E-03	0.00E+00	1.25E-03	2.19E-04
9170	498931.5	3733552	1.24E-03	0.00E+00	1.24E-03	2.16E-04
9171	498927.9	3733543	1.23E-03	0.00E+00	1.23E-03	2.14E-04
9172	499858	3734478	4.22E-03	0.00E+00	4.22E-03	7.36E-04
9173	499867.9	3734478	4.22E-03	0.00E+00	4.22E-03	7.35E-04
9174	499877.7	3734478	4.21E-03	0.00E+00	4.21E-03	7.34E-04
9175	499887.5	3734479	4.21E-03	0.00E+00	4.21E-03	7.33E-04
9176	499897.3	3734479	4.20E-03	0.00E+00	4.20E-03	7.32E-04
9177	499907.2	3734479	4.19E-03	0.00E+00	4.19E-03	7.30E-04
9178	499917	3734479	4.18E-03	0.00E+00	4.18E-03	7.28E-04
9179	499926.8	3734479	4.17E-03	0.00E+00	4.17E-03	7.26E-04
9180	499936.6	3734479	4.15E-03	0.00E+00	4.15E-03	7.24E-04
9181	499946.5	3734479	4.14E-03	0.00E+00	4.14E-03	7.21E-04
9182	499956.3	3734479	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9183	499966.1	3734479	4.11E-03	0.00E+00	4.11E-03	7.16E-04
9184	499975.9	3734479	4.09E-03	0.00E+00	4.09E-03	7.13E-04
9185	499985.8	3734479	4.07E-03	0.00E+00	4.07E-03	7.10E-04
9186	499995.6	3734479	4.05E-03	0.00E+00	4.05E-03	7.06E-04
9187	500005.4	3734479	4.03E-03	0.00E+00	4.03E-03	7.02E-04
9188	500015.2	3734479	4.01E-03	0.00E+00	4.01E-03	6.98E-04
9189	500025.1	3734479	3.99E-03	0.00E+00	3.99E-03	6.95E-04
9190	500034.9	3734479	3.96E-03	0.00E+00	3.96E-03	6.90E-04
9191	500044.7	3734479	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9192	500054.5	3734479	3.91E-03	0.00E+00	3.91E-03	6.82E-04
9193	500064.4	3734479	3.89E-03	0.00E+00	3.89E-03	6.77E-04
9194	500074.2	3734479	3.86E-03	0.00E+00	3.86E-03	6.73E-04
9195	500084	3734479	3.83E-03	0.00E+00	3.83E-03	6.68E-04
9196	500093.8	3734479	3.80E-03	0.00E+00	3.80E-03	6.63E-04
9197	500103.7	3734479	3.78E-03	0.00E+00	3.78E-03	6.58E-04
9198	500113.5	3734479	3.75E-03	0.00E+00	3.75E-03	6.53E-04
9199	500123.3	3734479	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9200	500133.1	3734479	3.69E-03	0.00E+00	3.69E-03	6.42E-04
9201	500143	3734479	3.66E-03	0.00E+00	3.66E-03	6.37E-04
9202	500152.8	3734479	3.62E-03	0.00E+00	3.62E-03	6.32E-04
9203	500162.6	3734479	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9204	500172.4	3734479	3.56E-03	0.00E+00	3.56E-03	6.20E-04
9205	500182.3	3734479	3.53E-03	0.00E+00	3.53E-03	6.15E-04

9206	499849	3734510	4.04E-03	0.00E+00	4.04E-03	7.05E-04
9207	499840.1	3734507	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9208	499831.1	3734503	4.09E-03	0.00E+00	4.09E-03	7.12E-04
9209	499822.2	3734499	4.11E-03	0.00E+00	4.11E-03	7.16E-04
9210	499813.2	3734495	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9211	499804.3	3734492	4.14E-03	0.00E+00	4.14E-03	7.22E-04
9212	499795.4	3734488	4.16E-03	0.00E+00	4.16E-03	7.25E-04
9213	499786.4	3734484	4.18E-03	0.00E+00	4.18E-03	7.28E-04
9214	499777.5	3734480	4.19E-03	0.00E+00	4.19E-03	7.30E-04
9215	499768.5	3734477	4.20E-03	0.00E+00	4.20E-03	7.32E-04
9216	499759.6	3734473	4.21E-03	0.00E+00	4.21E-03	7.34E-04
9217	499750.6	3734469	4.22E-03	0.00E+00	4.22E-03	7.36E-04
9218	499741.7	3734465	4.23E-03	0.00E+00	4.23E-03	7.38E-04
9219	499732.7	3734462	4.24E-03	0.00E+00	4.24E-03	7.39E-04
9220	499723.8	3734458	4.25E-03	0.00E+00	4.25E-03	7.40E-04
9221	499714.8	3734454	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9222	499705.9	3734451	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9223	499697	3734447	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9224	499688	3734443	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9225	499679.1	3734439	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9226	499670.1	3734436	4.25E-03	0.00E+00	4.25E-03	7.40E-04
9227	499661.2	3734432	4.24E-03	0.00E+00	4.24E-03	7.39E-04
9228	499652.2	3734428	4.24E-03	0.00E+00	4.24E-03	7.38E-04
9229	499643.3	3734424	4.23E-03	0.00E+00	4.23E-03	7.37E-04
9230	499634.3	3734421	4.22E-03	0.00E+00	4.22E-03	7.35E-04
9231	499625.4	3734417	4.21E-03	0.00E+00	4.21E-03	7.33E-04
9232	499616.4	3734413	4.19E-03	0.00E+00	4.19E-03	7.31E-04
9233	499607.5	3734409	4.18E-03	0.00E+00	4.18E-03	7.28E-04
9234	499598.6	3734406	4.16E-03	0.00E+00	4.16E-03	7.26E-04
9235	499589.6	3734402	4.15E-03	0.00E+00	4.15E-03	7.23E-04
9236	499580.7	3734398	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9237	499571.7	3734394	4.11E-03	0.00E+00	4.11E-03	7.16E-04
9238	499562.8	3734391	4.09E-03	0.00E+00	4.09E-03	7.12E-04
9239	499553.8	3734387	4.07E-03	0.00E+00	4.07E-03	7.08E-04
9240	499544.9	3734383	4.04E-03	0.00E+00	4.04E-03	7.04E-04
9241	499535.9	3734379	4.02E-03	0.00E+00	4.02E-03	7.00E-04
9242	499527	3734376	3.99E-03	0.00E+00	3.99E-03	6.95E-04
9243	499518	3734372	3.96E-03	0.00E+00	3.96E-03	6.90E-04
9244	499509.1	3734368	3.93E-03	0.00E+00	3.93E-03	6.85E-04
9245	499500.2	3734364	3.90E-03	0.00E+00	3.90E-03	6.80E-04
9246	499491.2	3734361	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9247	499482.3	3734357	3.84E-03	0.00E+00	3.84E-03	6.69E-04
9248	499473.3	3734353	3.81E-03	0.00E+00	3.81E-03	6.63E-04
9249	499464.4	3734349	3.77E-03	0.00E+00	3.77E-03	6.57E-04
9250	499455.4	3734346	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9251	499446.5	3734342	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9252	499437.5	3734338	3.67E-03	0.00E+00	3.67E-03	6.39E-04

9253	499428.6	3734334	3.63E-03	0.00E+00	3.63E-03	6.32E-04
9254	499419.6	3734331	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9255	499410.7	3734327	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9256	499366	3734308	3.35E-03	0.00E+00	3.35E-03	5.84E-04
9257	499357	3734304	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9258	499348.1	3734301	3.27E-03	0.00E+00	3.27E-03	5.70E-04
9259	499339.1	3734297	3.23E-03	0.00E+00	3.23E-03	5.62E-04
9260	499330.2	3734293	3.19E-03	0.00E+00	3.19E-03	5.55E-04
9261	499321.2	3734289	3.14E-03	0.00E+00	3.14E-03	5.48E-04
9262	499312.3	3734286	3.10E-03	0.00E+00	3.10E-03	5.40E-04
9263	499303.4	3734282	3.06E-03	0.00E+00	3.06E-03	5.33E-04
9264	499294.4	3734278	3.02E-03	0.00E+00	3.02E-03	5.25E-04
9265	499285.5	3734274	2.97E-03	0.00E+00	2.97E-03	5.18E-04
9266	499276.5	3734271	2.93E-03	0.00E+00	2.93E-03	5.11E-04
9267	499267.6	3734267	2.89E-03	0.00E+00	2.89E-03	5.03E-04
9268	499258.6	3734263	2.85E-03	0.00E+00	2.85E-03	4.96E-04
9269	499249.7	3734260	2.80E-03	0.00E+00	2.80E-03	4.89E-04
9270	499240.7	3734256	2.76E-03	0.00E+00	2.76E-03	4.81E-04
9271	499231.8	3734252	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9272	499222.8	3734248	2.68E-03	0.00E+00	2.68E-03	4.67E-04
9273	499213.9	3734245	2.64E-03	0.00E+00	2.64E-03	4.60E-04
9274	499205	3734241	2.60E-03	0.00E+00	2.60E-03	4.53E-04
9275	499196	3734237	2.56E-03	0.00E+00	2.56E-03	4.45E-04
9276	499187.1	3734233	2.52E-03	0.00E+00	2.52E-03	4.38E-04
9277	499178.1	3734230	2.48E-03	0.00E+00	2.48E-03	4.31E-04
9278	499165.5	3734217	2.42E-03	0.00E+00	2.42E-03	4.22E-04
9279	499140	3734154	2.31E-03	0.00E+00	2.31E-03	4.03E-04
9280	499118.1	3734100	2.20E-03	0.00E+00	2.20E-03	3.84E-04
9281	499099.9	3734055	2.11E-03	0.00E+00	2.11E-03	3.67E-04
9282	499096.3	3734046	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9283	499092.6	3734037	2.07E-03	0.00E+00	2.07E-03	3.61E-04
9284	499089	3734028	2.05E-03	0.00E+00	2.05E-03	3.57E-04
9285	499085.3	3734019	2.03E-03	0.00E+00	2.03E-03	3.54E-04
9286	499081.7	3734010	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9287	499063.5	3733965	1.91E-03	0.00E+00	1.91E-03	3.33E-04
9288	499059.8	3733956	1.89E-03	0.00E+00	1.89E-03	3.30E-04
9289	499056.2	3733947	1.87E-03	0.00E+00	1.87E-03	3.26E-04
9290	499052.5	3733938	1.85E-03	0.00E+00	1.85E-03	3.23E-04
9291	499048.9	3733929	1.83E-03	0.00E+00	1.83E-03	3.19E-04
9292	499045.2	3733920	1.81E-03	0.00E+00	1.81E-03	3.16E-04
9293	499041.6	3733911	1.79E-03	0.00E+00	1.79E-03	3.13E-04
9294	498972.3	3733741	1.46E-03	0.00E+00	1.46E-03	2.54E-04
9295	498968.7	3733732	1.44E-03	0.00E+00	1.44E-03	2.51E-04
9296	498965.1	3733723	1.43E-03	0.00E+00	1.43E-03	2.48E-04
9297	498961.4	3733714	1.41E-03	0.00E+00	1.41E-03	2.46E-04
9298	498957.8	3733705	1.40E-03	0.00E+00	1.40E-03	2.43E-04
9299	498954.1	3733696	1.38E-03	0.00E+00	1.38E-03	2.40E-04

9300	498950.5	3733687	1.37E-03	0.00E+00	1.37E-03	2.38E-04
9301	498946.8	3733678	1.35E-03	0.00E+00	1.35E-03	2.35E-04
9302	498943.2	3733669	1.34E-03	0.00E+00	1.34E-03	2.33E-04
9303	498906.7	3733579	1.21E-03	0.00E+00	1.21E-03	2.10E-04
9304	498899.4	3733561	1.18E-03	0.00E+00	1.18E-03	2.06E-04
9305	498895.8	3733552	1.17E-03	0.00E+00	1.17E-03	2.04E-04
9306	498892.2	3733543	1.16E-03	0.00E+00	1.16E-03	2.02E-04
9307	499858	3734514	4.02E-03	0.00E+00	4.02E-03	7.01E-04
9308	499867.8	3734514	4.02E-03	0.00E+00	4.02E-03	7.00E-04
9309	499877.6	3734514	4.01E-03	0.00E+00	4.01E-03	6.99E-04
9310	499887.4	3734514	4.00E-03	0.00E+00	4.00E-03	6.98E-04
9311	499897.3	3734514	4.00E-03	0.00E+00	4.00E-03	6.96E-04
9312	499907.1	3734514	3.99E-03	0.00E+00	3.99E-03	6.95E-04
9313	499916.9	3734514	3.98E-03	0.00E+00	3.98E-03	6.93E-04
9314	499926.7	3734514	3.96E-03	0.00E+00	3.96E-03	6.91E-04
9315	499936.6	3734514	3.95E-03	0.00E+00	3.95E-03	6.89E-04
9316	499946.4	3734514	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9317	499956.2	3734514	3.92E-03	0.00E+00	3.92E-03	6.84E-04
9318	499966	3734514	3.91E-03	0.00E+00	3.91E-03	6.81E-04
9319	499975.9	3734514	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9320	499985.7	3734514	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9321	499995.5	3734514	3.85E-03	0.00E+00	3.85E-03	6.72E-04
9322	500005.3	3734514	3.83E-03	0.00E+00	3.83E-03	6.68E-04
9323	500015.2	3734514	3.81E-03	0.00E+00	3.81E-03	6.64E-04
9324	500025	3734515	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9325	500034.8	3734515	3.77E-03	0.00E+00	3.77E-03	6.57E-04
9326	500044.6	3734515	3.75E-03	0.00E+00	3.75E-03	6.53E-04
9327	500054.5	3734515	3.72E-03	0.00E+00	3.72E-03	6.49E-04
9328	500064.3	3734515	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9329	500074.1	3734515	3.68E-03	0.00E+00	3.68E-03	6.40E-04
9330	500083.9	3734515	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9331	500093.8	3734515	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9332	500103.6	3734515	3.60E-03	0.00E+00	3.60E-03	6.27E-04
9333	500113.4	3734515	3.57E-03	0.00E+00	3.57E-03	6.22E-04
9334	500123.2	3734515	3.54E-03	0.00E+00	3.54E-03	6.17E-04
9335	500133.1	3734515	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9336	500142.9	3734515	3.49E-03	0.00E+00	3.49E-03	6.08E-04
9337	500152.7	3734515	3.46E-03	0.00E+00	3.46E-03	6.03E-04
9338	500162.5	3734515	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9339	500172.4	3734515	3.40E-03	0.00E+00	3.40E-03	5.92E-04
9340	500182.2	3734515	3.37E-03	0.00E+00	3.37E-03	5.87E-04
9341	499830.8	3734539	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9342	499821.7	3734535	3.92E-03	0.00E+00	3.92E-03	6.83E-04
9343	499812.7	3734531	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9344	499803.7	3734527	3.95E-03	0.00E+00	3.95E-03	6.89E-04
9345	499794.6	3734523	3.97E-03	0.00E+00	3.97E-03	6.92E-04
9346	499785.6	3734520	3.99E-03	0.00E+00	3.99E-03	6.94E-04

9347	499776.5	3734516	4.00E-03	0.00E+00	4.00E-03	6.97E-04
9348	499767.5	3734512	4.01E-03	0.00E+00	4.01E-03	6.99E-04
9349	499758.5	3734508	4.02E-03	0.00E+00	4.02E-03	7.01E-04
9350	499749.4	3734504	4.03E-03	0.00E+00	4.03E-03	7.03E-04
9351	499740.4	3734501	4.04E-03	0.00E+00	4.04E-03	7.05E-04
9352	499731.4	3734497	4.05E-03	0.00E+00	4.05E-03	7.06E-04
9353	499722.3	3734493	4.06E-03	0.00E+00	4.06E-03	7.07E-04
9354	499713.3	3734489	4.06E-03	0.00E+00	4.06E-03	7.08E-04
9355	499704.2	3734486	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9356	499695.2	3734482	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9357	499686.2	3734478	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9358	499677.1	3734474	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9359	499668.1	3734470	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9360	499659	3734467	4.06E-03	0.00E+00	4.06E-03	7.08E-04
9361	499650	3734463	4.06E-03	0.00E+00	4.06E-03	7.07E-04
9362	499641	3734459	4.05E-03	0.00E+00	4.05E-03	7.06E-04
9363	499631.9	3734455	4.04E-03	0.00E+00	4.04E-03	7.05E-04
9364	499622.9	3734451	4.04E-03	0.00E+00	4.04E-03	7.03E-04
9365	499613.8	3734448	4.02E-03	0.00E+00	4.02E-03	7.01E-04
9366	499604.8	3734444	4.01E-03	0.00E+00	4.01E-03	6.99E-04
9367	499595.8	3734440	4.00E-03	0.00E+00	4.00E-03	6.97E-04
9368	499586.7	3734436	3.98E-03	0.00E+00	3.98E-03	6.94E-04
9369	499577.7	3734433	3.97E-03	0.00E+00	3.97E-03	6.91E-04
9370	499568.6	3734429	3.95E-03	0.00E+00	3.95E-03	6.88E-04
9371	499559.6	3734425	3.93E-03	0.00E+00	3.93E-03	6.85E-04
9372	499550.6	3734421	3.91E-03	0.00E+00	3.91E-03	6.82E-04
9373	499541.5	3734417	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9374	499532.5	3734414	3.87E-03	0.00E+00	3.87E-03	6.74E-04
9375	499523.4	3734410	3.84E-03	0.00E+00	3.84E-03	6.70E-04
9376	499514.4	3734406	3.82E-03	0.00E+00	3.82E-03	6.66E-04
9377	499505.4	3734402	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9378	499496.3	3734399	3.77E-03	0.00E+00	3.77E-03	6.56E-04
9379	499487.3	3734395	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9380	499478.2	3734391	3.71E-03	0.00E+00	3.71E-03	6.46E-04
9381	499469.2	3734387	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9382	499460.2	3734383	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9383	499451.1	3734380	3.62E-03	0.00E+00	3.62E-03	6.30E-04
9384	499442.1	3734376	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9385	499433	3734372	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9386	499424	3734368	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9387	499415	3734364	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9388	499369.8	3734346	3.30E-03	0.00E+00	3.30E-03	5.75E-04
9389	499360.7	3734342	3.26E-03	0.00E+00	3.26E-03	5.68E-04
9390	499351.7	3734338	3.22E-03	0.00E+00	3.22E-03	5.61E-04
9391	499342.7	3734334	3.18E-03	0.00E+00	3.18E-03	5.55E-04
9392	499333.6	3734330	3.14E-03	0.00E+00	3.14E-03	5.48E-04
9393	499324.6	3734327	3.11E-03	0.00E+00	3.11E-03	5.41E-04

9394	499315.5	3734323	3.07E-03	0.00E+00	3.07E-03	5.34E-04
9395	499306.5	3734319	3.03E-03	0.00E+00	3.03E-03	5.27E-04
9396	499297.5	3734315	2.99E-03	0.00E+00	2.99E-03	5.20E-04
9397	499288.4	3734311	2.95E-03	0.00E+00	2.95E-03	5.13E-04
9398	499279.4	3734308	2.91E-03	0.00E+00	2.91E-03	5.06E-04
9399	499270.3	3734304	2.87E-03	0.00E+00	2.87E-03	4.99E-04
9400	499261.3	3734300	2.83E-03	0.00E+00	2.83E-03	4.92E-04
9401	499252.3	3734296	2.79E-03	0.00E+00	2.79E-03	4.85E-04
9402	499243.2	3734293	2.75E-03	0.00E+00	2.75E-03	4.78E-04
9403	499234.2	3734289	2.71E-03	0.00E+00	2.71E-03	4.72E-04
9404	499225.1	3734285	2.67E-03	0.00E+00	2.67E-03	4.65E-04
9405	499216.1	3734281	2.63E-03	0.00E+00	2.63E-03	4.58E-04
9406	499207.1	3734277	2.59E-03	0.00E+00	2.59E-03	4.51E-04
9407	499198	3734274	2.55E-03	0.00E+00	2.55E-03	4.44E-04
9408	499189	3734270	2.51E-03	0.00E+00	2.51E-03	4.37E-04
9409	499179.9	3734266	2.47E-03	0.00E+00	2.47E-03	4.31E-04
9410	499170.9	3734262	2.43E-03	0.00E+00	2.43E-03	4.24E-04
9411	499161.9	3734258	2.40E-03	0.00E+00	2.40E-03	4.17E-04
9412	499152.8	3734255	2.36E-03	0.00E+00	2.36E-03	4.11E-04
9413	499140.1	3734242	2.31E-03	0.00E+00	2.31E-03	4.02E-04
9414	499136.4	3734233	2.29E-03	0.00E+00	2.29E-03	3.99E-04
9415	499132.7	3734224	2.28E-03	0.00E+00	2.28E-03	3.97E-04
9416	499129	3734215	2.26E-03	0.00E+00	2.26E-03	3.94E-04
9417	499125.4	3734206	2.25E-03	0.00E+00	2.25E-03	3.92E-04
9418	499121.7	3734196	2.23E-03	0.00E+00	2.23E-03	3.89E-04
9419	499118	3734187	2.22E-03	0.00E+00	2.22E-03	3.86E-04
9420	499114.3	3734178	2.20E-03	0.00E+00	2.20E-03	3.84E-04
9421	499110.6	3734169	2.19E-03	0.00E+00	2.19E-03	3.81E-04
9422	499106.9	3734160	2.17E-03	0.00E+00	2.17E-03	3.78E-04
9423	499103.3	3734151	2.15E-03	0.00E+00	2.15E-03	3.75E-04
9424	499099.6	3734142	2.13E-03	0.00E+00	2.13E-03	3.72E-04
9425	499073.8	3734078	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9426	499070.1	3734069	1.99E-03	0.00E+00	1.99E-03	3.47E-04
9427	499066.4	3734060	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9428	499062.7	3734051	1.96E-03	0.00E+00	1.96E-03	3.41E-04
9429	499059.1	3734042	1.94E-03	0.00E+00	1.94E-03	3.38E-04
9430	499055.4	3734033	1.92E-03	0.00E+00	1.92E-03	3.34E-04
9431	499033.3	3733978	1.81E-03	0.00E+00	1.81E-03	3.15E-04
9432	499029.6	3733969	1.79E-03	0.00E+00	1.79E-03	3.12E-04
9433	499025.9	3733960	1.77E-03	0.00E+00	1.77E-03	3.08E-04
9434	499022.2	3733951	1.75E-03	0.00E+00	1.75E-03	3.05E-04
9435	499018.5	3733942	1.73E-03	0.00E+00	1.73E-03	3.02E-04
9436	499014.9	3733933	1.72E-03	0.00E+00	1.72E-03	2.99E-04
9437	499011.2	3733924	1.70E-03	0.00E+00	1.70E-03	2.96E-04
9438	498937.5	3733742	1.37E-03	0.00E+00	1.37E-03	2.38E-04
9439	498933.8	3733733	1.35E-03	0.00E+00	1.35E-03	2.36E-04
9440	498930.1	3733724	1.34E-03	0.00E+00	1.34E-03	2.33E-04

9441	498926.5	3733715	1.33E-03	0.00E+00	1.33E-03	2.31E-04
9442	498922.8	3733706	1.31E-03	0.00E+00	1.31E-03	2.29E-04
9443	498919.1	3733697	1.30E-03	0.00E+00	1.30E-03	2.26E-04
9444	498915.4	3733688	1.28E-03	0.00E+00	1.28E-03	2.24E-04
9445	498911.7	3733679	1.27E-03	0.00E+00	1.27E-03	2.22E-04
9446	498908	3733670	1.26E-03	0.00E+00	1.26E-03	2.19E-04
9447	498871.2	3733579	1.14E-03	0.00E+00	1.14E-03	1.98E-04
9448	498863.8	3733561	1.12E-03	0.00E+00	1.12E-03	1.94E-04
9449	498860.2	3733552	1.11E-03	0.00E+00	1.11E-03	1.93E-04
9450	498856.5	3733543	1.09E-03	0.00E+00	1.09E-03	1.91E-04
9451	499848.8	3734582	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9452	499839.8	3734578	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9453	499830.8	3734574	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9454	499821.8	3734570	3.74E-03	0.00E+00	3.74E-03	6.52E-04
9455	499812.7	3734567	3.76E-03	0.00E+00	3.76E-03	6.55E-04
9456	499803.7	3734563	3.77E-03	0.00E+00	3.77E-03	6.58E-04
9457	499794.7	3734559	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9458	499740.6	3734537	3.87E-03	0.00E+00	3.87E-03	6.73E-04
9459	499731.6	3734533	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9460	499722.6	3734529	3.88E-03	0.00E+00	3.88E-03	6.76E-04
9461	499713.6	3734525	3.89E-03	0.00E+00	3.89E-03	6.77E-04
9462	499704.5	3734521	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9463	499695.5	3734518	3.89E-03	0.00E+00	3.89E-03	6.79E-04
9464	499686.5	3734514	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9465	499677.5	3734510	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9466	499668.5	3734506	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9467	499659.4	3734503	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9468	499650.4	3734499	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9469	499641.4	3734495	3.89E-03	0.00E+00	3.89E-03	6.77E-04
9470	499632.4	3734491	3.88E-03	0.00E+00	3.88E-03	6.76E-04
9471	499623.4	3734487	3.88E-03	0.00E+00	3.88E-03	6.75E-04
9472	499614.4	3734484	3.87E-03	0.00E+00	3.87E-03	6.74E-04
9473	499605.3	3734480	3.86E-03	0.00E+00	3.86E-03	6.72E-04
9474	499596.3	3734476	3.85E-03	0.00E+00	3.85E-03	6.70E-04
9475	499587.3	3734472	3.83E-03	0.00E+00	3.83E-03	6.68E-04
9476	499578.3	3734469	3.82E-03	0.00E+00	3.82E-03	6.66E-04
9477	499569.3	3734465	3.81E-03	0.00E+00	3.81E-03	6.63E-04
9478	499560.3	3734461	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9479	499551.2	3734457	3.77E-03	0.00E+00	3.77E-03	6.58E-04
9480	499542.2	3734453	3.76E-03	0.00E+00	3.76E-03	6.54E-04
9481	499533.2	3734450	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9482	499524.2	3734446	3.72E-03	0.00E+00	3.72E-03	6.47E-04
9483	499515.2	3734442	3.69E-03	0.00E+00	3.69E-03	6.44E-04
9484	499506.1	3734438	3.67E-03	0.00E+00	3.67E-03	6.40E-04
9485	499497.1	3734435	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9486	499488.1	3734431	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9487	499370.9	3734382	3.23E-03	0.00E+00	3.23E-03	5.63E-04

9488	499361.9	3734378	3.20E-03	0.00E+00	3.20E-03	5.57E-04
9489	499352.8	3734374	3.16E-03	0.00E+00	3.16E-03	5.51E-04
9490	499343.8	3734370	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9491	499334.8	3734367	3.09E-03	0.00E+00	3.09E-03	5.38E-04
9492	499325.8	3734363	3.05E-03	0.00E+00	3.05E-03	5.32E-04
9493	499316.8	3734359	3.02E-03	0.00E+00	3.02E-03	5.26E-04
9494	499307.8	3734355	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9495	499298.7	3734352	2.94E-03	0.00E+00	2.94E-03	5.13E-04
9496	499289.7	3734348	2.91E-03	0.00E+00	2.91E-03	5.06E-04
9497	499280.7	3734344	2.87E-03	0.00E+00	2.87E-03	5.00E-04
9498	499271.7	3734340	2.83E-03	0.00E+00	2.83E-03	4.94E-04
9499	499262.7	3734336	2.80E-03	0.00E+00	2.80E-03	4.87E-04
9500	499253.7	3734333	2.76E-03	0.00E+00	2.76E-03	4.81E-04
9501	499244.6	3734329	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9502	499235.6	3734325	2.68E-03	0.00E+00	2.68E-03	4.68E-04
9503	499226.6	3734321	2.65E-03	0.00E+00	2.65E-03	4.61E-04
9504	499217.6	3734318	2.61E-03	0.00E+00	2.61E-03	4.55E-04
9505	499208.6	3734314	2.57E-03	0.00E+00	2.57E-03	4.48E-04
9506	499199.5	3734310	2.54E-03	0.00E+00	2.54E-03	4.42E-04
9507	499190.5	3734306	2.50E-03	0.00E+00	2.50E-03	4.35E-04
9508	499181.5	3734302	2.46E-03	0.00E+00	2.46E-03	4.29E-04
9509	499172.5	3734299	2.43E-03	0.00E+00	2.43E-03	4.23E-04
9510	499163.5	3734295	2.39E-03	0.00E+00	2.39E-03	4.16E-04
9511	499154.5	3734291	2.35E-03	0.00E+00	2.35E-03	4.10E-04
9512	499145.4	3734287	2.32E-03	0.00E+00	2.32E-03	4.04E-04
9513	499136.4	3734284	2.28E-03	0.00E+00	2.28E-03	3.98E-04
9514	499127.4	3734280	2.25E-03	0.00E+00	2.25E-03	3.92E-04
9515	499114.7	3734267	2.20E-03	0.00E+00	2.20E-03	3.83E-04
9516	499111	3734258	2.19E-03	0.00E+00	2.19E-03	3.81E-04
9517	499107.4	3734249	2.17E-03	0.00E+00	2.17E-03	3.79E-04
9518	499103.7	3734240	2.16E-03	0.00E+00	2.16E-03	3.76E-04
9519	499100	3734231	2.15E-03	0.00E+00	2.15E-03	3.74E-04
9520	499096.3	3734222	2.13E-03	0.00E+00	2.13E-03	3.71E-04
9521	499092.7	3734213	2.12E-03	0.00E+00	2.12E-03	3.69E-04
9522	499089	3734204	2.10E-03	0.00E+00	2.10E-03	3.66E-04
9523	499085.3	3734195	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9524	499081.6	3734185	2.07E-03	0.00E+00	2.07E-03	3.61E-04
9525	499078	3734176	2.06E-03	0.00E+00	2.06E-03	3.58E-04
9526	499074.3	3734167	2.04E-03	0.00E+00	2.04E-03	3.55E-04
9527	499070.6	3734158	2.02E-03	0.00E+00	2.02E-03	3.53E-04
9528	499066.9	3734149	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9529	499063.3	3734140	1.99E-03	0.00E+00	1.99E-03	3.47E-04
9530	499059.6	3734131	1.98E-03	0.00E+00	1.98E-03	3.44E-04
9531	499037.5	3734077	1.87E-03	0.00E+00	1.87E-03	3.26E-04
9532	499033.9	3734068	1.86E-03	0.00E+00	1.86E-03	3.23E-04
9533	499030.2	3734059	1.84E-03	0.00E+00	1.84E-03	3.20E-04
9534	499004.5	3733995	1.72E-03	0.00E+00	1.72E-03	2.99E-04

9535	499000.8	3733986	1.70E-03	0.00E+00	1.70E-03	2.96E-04
9536	498997.1	3733977	1.68E-03	0.00E+00	1.68E-03	2.93E-04
9537	498993.5	3733968	1.67E-03	0.00E+00	1.67E-03	2.90E-04
9538	498989.8	3733959	1.65E-03	0.00E+00	1.65E-03	2.87E-04
9539	498986.1	3733950	1.63E-03	0.00E+00	1.63E-03	2.84E-04
9540	498967.7	3733905	1.55E-03	0.00E+00	1.55E-03	2.70E-04
9541	498964.1	3733896	1.53E-03	0.00E+00	1.53E-03	2.67E-04
9542	498901.6	3733742	1.28E-03	0.00E+00	1.28E-03	2.24E-04
9543	498897.9	3733732	1.27E-03	0.00E+00	1.27E-03	2.21E-04
9544	498894.2	3733723	1.26E-03	0.00E+00	1.26E-03	2.19E-04
9545	498890.6	3733714	1.25E-03	0.00E+00	1.25E-03	2.17E-04
9546	498886.9	3733705	1.23E-03	0.00E+00	1.23E-03	2.15E-04
9547	498883.2	3733696	1.22E-03	0.00E+00	1.22E-03	2.13E-04
9548	498879.5	3733687	1.21E-03	0.00E+00	1.21E-03	2.11E-04
9549	498875.9	3733678	1.20E-03	0.00E+00	1.20E-03	2.09E-04
9550	498872.2	3733669	1.18E-03	0.00E+00	1.18E-03	2.06E-04
9551	498828.1	3733560	1.06E-03	0.00E+00	1.06E-03	1.84E-04
9552	498824.4	3733551	1.05E-03	0.00E+00	1.05E-03	1.82E-04
9553	498820.8	3733542	1.04E-03	0.00E+00	1.04E-03	1.81E-04
9554	499857.8	3734586	3.66E-03	0.00E+00	3.66E-03	6.37E-04
9555	499867.7	3734586	3.65E-03	0.00E+00	3.65E-03	6.37E-04
9556	499877.5	3734586	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9557	499887.3	3734586	3.64E-03	0.00E+00	3.64E-03	6.34E-04
9558	499897.1	3734586	3.63E-03	0.00E+00	3.63E-03	6.33E-04
9559	499907	3734586	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9560	499916.8	3734586	3.61E-03	0.00E+00	3.61E-03	6.29E-04
9561	499926.6	3734586	3.60E-03	0.00E+00	3.60E-03	6.28E-04
9562	499936.4	3734586	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9563	499946.3	3734586	3.58E-03	0.00E+00	3.58E-03	6.23E-04
9564	499956.1	3734586	3.56E-03	0.00E+00	3.56E-03	6.21E-04
9565	499965.9	3734586	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9566	499975.7	3734586	3.53E-03	0.00E+00	3.53E-03	6.16E-04
9567	499985.6	3734586	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9568	499995.4	3734586	3.50E-03	0.00E+00	3.50E-03	6.10E-04
9569	500005.2	3734586	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9570	500015	3734586	3.47E-03	0.00E+00	3.47E-03	6.04E-04
9571	500024.8	3734586	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9572	500034.7	3734586	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9573	500044.5	3734586	3.41E-03	0.00E+00	3.41E-03	5.94E-04
9574	500054.3	3734586	3.39E-03	0.00E+00	3.39E-03	5.90E-04
9575	500064.1	3734586	3.37E-03	0.00E+00	3.37E-03	5.87E-04
9576	500074	3734586	3.35E-03	0.00E+00	3.35E-03	5.83E-04
9577	500083.8	3734586	3.32E-03	0.00E+00	3.32E-03	5.79E-04
9578	500093.6	3734586	3.30E-03	0.00E+00	3.30E-03	5.75E-04
9579	500103.4	3734586	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9580	500113.3	3734586	3.26E-03	0.00E+00	3.26E-03	5.67E-04
9581	500123.1	3734586	3.23E-03	0.00E+00	3.23E-03	5.63E-04

9582	500132.9	3734586	3.21E-03	0.00E+00	3.21E-03	5.59E-04
9583	500142.7	3734586	3.19E-03	0.00E+00	3.19E-03	5.55E-04
9584	500152.6	3734586	3.16E-03	0.00E+00	3.16E-03	5.51E-04
9585	500162.4	3734586	3.14E-03	0.00E+00	3.14E-03	5.46E-04
9586	500172.2	3734586	3.11E-03	0.00E+00	3.11E-03	5.42E-04
9587	500182	3734586	3.09E-03	0.00E+00	3.09E-03	5.38E-04
9588	499848.8	3734618	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9589	499839.8	3734614	3.54E-03	0.00E+00	3.54E-03	6.16E-04
9590	499830.8	3734610	3.56E-03	0.00E+00	3.56E-03	6.20E-04
9591	499821.8	3734606	3.57E-03	0.00E+00	3.57E-03	6.23E-04
9592	499812.8	3734602	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9593	499803.8	3734599	3.61E-03	0.00E+00	3.61E-03	6.29E-04
9594	499794.8	3734595	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9595	499785.8	3734591	3.64E-03	0.00E+00	3.64E-03	6.34E-04
9596	499776.8	3734587	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9597	499767.8	3734584	3.67E-03	0.00E+00	3.67E-03	6.39E-04
9598	499758.8	3734580	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9599	499749.8	3734576	3.69E-03	0.00E+00	3.69E-03	6.43E-04
9600	499740.8	3734572	3.70E-03	0.00E+00	3.70E-03	6.44E-04
9601	499731.8	3734569	3.71E-03	0.00E+00	3.71E-03	6.46E-04
9602	499722.8	3734565	3.72E-03	0.00E+00	3.72E-03	6.47E-04
9603	499713.8	3734561	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9604	499704.8	3734557	3.73E-03	0.00E+00	3.73E-03	6.49E-04
9605	499659.8	3734538	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9606	499650.8	3734535	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9607	499641.8	3734531	3.73E-03	0.00E+00	3.73E-03	6.50E-04
9608	499632.8	3734527	3.73E-03	0.00E+00	3.73E-03	6.50E-04
9609	499623.8	3734523	3.72E-03	0.00E+00	3.72E-03	6.49E-04
9610	499614.8	3734520	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9611	499605.8	3734516	3.71E-03	0.00E+00	3.71E-03	6.46E-04
9612	499596.8	3734512	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9613	499587.8	3734508	3.69E-03	0.00E+00	3.69E-03	6.43E-04
9614	499578.8	3734505	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9615	499569.9	3734501	3.67E-03	0.00E+00	3.67E-03	6.39E-04
9616	499560.9	3734497	3.66E-03	0.00E+00	3.66E-03	6.37E-04
9617	499551.9	3734493	3.64E-03	0.00E+00	3.64E-03	6.34E-04
9618	499542.9	3734489	3.63E-03	0.00E+00	3.63E-03	6.32E-04
9619	499533.9	3734486	3.61E-03	0.00E+00	3.61E-03	6.29E-04
9620	499524.9	3734482	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9621	499515.9	3734478	3.57E-03	0.00E+00	3.57E-03	6.23E-04
9622	499506.9	3734474	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9623	499497.9	3734471	3.53E-03	0.00E+00	3.53E-03	6.16E-04
9624	499488.9	3734467	3.51E-03	0.00E+00	3.51E-03	6.12E-04
9625	499479.9	3734463	3.49E-03	0.00E+00	3.49E-03	6.08E-04
9626	499470.9	3734459	3.47E-03	0.00E+00	3.47E-03	6.04E-04
9627	499461.9	3734456	3.44E-03	0.00E+00	3.44E-03	6.00E-04
9628	499452.9	3734452	3.42E-03	0.00E+00	3.42E-03	5.95E-04

9629	499443.9	3734448	3.39E-03	0.00E+00	3.39E-03	5.91E-04
9630	499434.9	3734444	3.37E-03	0.00E+00	3.37E-03	5.86E-04
9631	499371.9	3734418	3.16E-03	0.00E+00	3.16E-03	5.51E-04
9632	499362.9	3734414	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9633	499353.9	3734410	3.10E-03	0.00E+00	3.10E-03	5.40E-04
9634	499344.9	3734407	3.07E-03	0.00E+00	3.07E-03	5.34E-04
9635	499335.9	3734403	3.03E-03	0.00E+00	3.03E-03	5.28E-04
9636	499326.9	3734399	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9637	499317.9	3734395	2.97E-03	0.00E+00	2.97E-03	5.17E-04
9638	499308.9	3734392	2.93E-03	0.00E+00	2.93E-03	5.11E-04
9639	499299.9	3734388	2.90E-03	0.00E+00	2.90E-03	5.05E-04
9640	499290.9	3734384	2.86E-03	0.00E+00	2.86E-03	4.99E-04
9641	499281.9	3734380	2.83E-03	0.00E+00	2.83E-03	4.93E-04
9642	499272.9	3734376	2.80E-03	0.00E+00	2.80E-03	4.87E-04
9643	499263.9	3734373	2.76E-03	0.00E+00	2.76E-03	4.81E-04
9644	499254.9	3734369	2.73E-03	0.00E+00	2.73E-03	4.75E-04
9645	499245.9	3734365	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9646	499237	3734361	2.66E-03	0.00E+00	2.66E-03	4.63E-04
9647	499228	3734358	2.62E-03	0.00E+00	2.62E-03	4.57E-04
9648	499219	3734354	2.59E-03	0.00E+00	2.59E-03	4.51E-04
9649	499210	3734350	2.55E-03	0.00E+00	2.55E-03	4.45E-04
9650	499201	3734346	2.52E-03	0.00E+00	2.52E-03	4.39E-04
9651	499192	3734343	2.48E-03	0.00E+00	2.48E-03	4.33E-04
9652	499183	3734339	2.45E-03	0.00E+00	2.45E-03	4.27E-04
9653	499174	3734335	2.41E-03	0.00E+00	2.41E-03	4.21E-04
9654	499165	3734331	2.38E-03	0.00E+00	2.38E-03	4.15E-04
9655	499156	3734328	2.35E-03	0.00E+00	2.35E-03	4.09E-04
9656	499147	3734324	2.31E-03	0.00E+00	2.31E-03	4.03E-04
9657	499138	3734320	2.28E-03	0.00E+00	2.28E-03	3.97E-04
9658	499129	3734316	2.25E-03	0.00E+00	2.25E-03	3.91E-04
9659	499120	3734312	2.21E-03	0.00E+00	2.21E-03	3.85E-04
9660	499111	3734309	2.18E-03	0.00E+00	2.18E-03	3.80E-04
9661	499102	3734305	2.15E-03	0.00E+00	2.15E-03	3.74E-04
9662	499089.3	3734292	2.10E-03	0.00E+00	2.10E-03	3.66E-04
9663	499085.7	3734283	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9664	499082	3734274	2.08E-03	0.00E+00	2.08E-03	3.62E-04
9665	499078.3	3734265	2.06E-03	0.00E+00	2.06E-03	3.60E-04
9666	499074.7	3734256	2.05E-03	0.00E+00	2.05E-03	3.57E-04
9667	499071	3734247	2.04E-03	0.00E+00	2.04E-03	3.55E-04
9668	499067.3	3734238	2.02E-03	0.00E+00	2.02E-03	3.53E-04
9669	499063.7	3734229	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9670	499060	3734220	2.00E-03	0.00E+00	2.00E-03	3.48E-04
9671	499056.3	3734211	1.98E-03	0.00E+00	1.98E-03	3.45E-04
9672	499052.7	3734202	1.97E-03	0.00E+00	1.97E-03	3.43E-04
9673	499049	3734193	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9674	499045.3	3734184	1.94E-03	0.00E+00	1.94E-03	3.38E-04
9675	499041.7	3734175	1.92E-03	0.00E+00	1.92E-03	3.35E-04

9676	499038	3734166	1.91E-03	0.00E+00	1.91E-03	3.32E-04
9677	499034.3	3734157	1.89E-03	0.00E+00	1.89E-03	3.30E-04
9678	499030.7	3734147	1.88E-03	0.00E+00	1.88E-03	3.27E-04
9679	499027	3734138	1.86E-03	0.00E+00	1.86E-03	3.24E-04
9680	499023.3	3734129	1.84E-03	0.00E+00	1.84E-03	3.21E-04
9681	499019.7	3734120	1.83E-03	0.00E+00	1.83E-03	3.19E-04
9682	498994	3734057	1.72E-03	0.00E+00	1.72E-03	2.99E-04
9683	498990.3	3734048	1.70E-03	0.00E+00	1.70E-03	2.96E-04
9684	498986.7	3734039	1.68E-03	0.00E+00	1.68E-03	2.93E-04
9685	498983	3734030	1.67E-03	0.00E+00	1.67E-03	2.91E-04
9686	498979.3	3734021	1.65E-03	0.00E+00	1.65E-03	2.88E-04
9687	498975.7	3734012	1.64E-03	0.00E+00	1.64E-03	2.85E-04
9688	498972	3734003	1.62E-03	0.00E+00	1.62E-03	2.82E-04
9689	498968.3	3733994	1.60E-03	0.00E+00	1.60E-03	2.79E-04
9690	498964.7	3733985	1.59E-03	0.00E+00	1.59E-03	2.77E-04
9691	498961	3733976	1.57E-03	0.00E+00	1.57E-03	2.74E-04
9692	498957.3	3733967	1.56E-03	0.00E+00	1.56E-03	2.71E-04
9693	498865.7	3733741	1.21E-03	0.00E+00	1.21E-03	2.11E-04
9694	498862	3733732	1.20E-03	0.00E+00	1.20E-03	2.08E-04
9695	498858.4	3733723	1.18E-03	0.00E+00	1.18E-03	2.06E-04
9696	498854.7	3733714	1.17E-03	0.00E+00	1.17E-03	2.04E-04
9697	498851	3733705	1.16E-03	0.00E+00	1.16E-03	2.02E-04
9698	498847.4	3733696	1.15E-03	0.00E+00	1.15E-03	2.01E-04
9699	498843.7	3733687	1.14E-03	0.00E+00	1.14E-03	1.99E-04
9700	498840	3733677	1.13E-03	0.00E+00	1.13E-03	1.97E-04
9701	498796	3733569	1.01E-03	0.00E+00	1.01E-03	1.76E-04
9702	498792.4	3733560	1.00E-03	0.00E+00	1.00E-03	1.74E-04
9703	498788.7	3733551	9.92E-04	0.00E+00	9.92E-04	1.73E-04
9704	498785	3733542	9.83E-04	0.00E+00	9.83E-04	1.71E-04
9705	499857.8	3734621	3.50E-03	0.00E+00	3.50E-03	6.09E-04
9706	499867.6	3734621	3.49E-03	0.00E+00	3.49E-03	6.08E-04
9707	499877.4	3734621	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9708	499887.2	3734621	3.48E-03	0.00E+00	3.48E-03	6.06E-04
9709	499897.1	3734621	3.47E-03	0.00E+00	3.47E-03	6.05E-04
9710	499906.9	3734621	3.46E-03	0.00E+00	3.46E-03	6.03E-04
9711	499916.7	3734621	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9712	499926.5	3734621	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9713	499936.4	3734621	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9714	499946.2	3734621	3.42E-03	0.00E+00	3.42E-03	5.95E-04
9715	499956	3734622	3.40E-03	0.00E+00	3.40E-03	5.93E-04
9716	499965.8	3734622	3.39E-03	0.00E+00	3.39E-03	5.91E-04
9717	499975.7	3734622	3.38E-03	0.00E+00	3.38E-03	5.88E-04
9718	499985.5	3734622	3.36E-03	0.00E+00	3.36E-03	5.86E-04
9719	499995.3	3734622	3.35E-03	0.00E+00	3.35E-03	5.83E-04
9720	500005.1	3734622	3.33E-03	0.00E+00	3.33E-03	5.80E-04
9721	500015	3734622	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9722	500024.8	3734622	3.29E-03	0.00E+00	3.29E-03	5.74E-04

9723	500034.6	3734622	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9724	500044.4	3734622	3.26E-03	0.00E+00	3.26E-03	5.68E-04
9725	500054.3	3734622	3.24E-03	0.00E+00	3.24E-03	5.64E-04
9726	500064.1	3734622	3.22E-03	0.00E+00	3.22E-03	5.61E-04
9727	500073.9	3734622	3.20E-03	0.00E+00	3.20E-03	5.58E-04
9728	500083.7	3734622	3.18E-03	0.00E+00	3.18E-03	5.54E-04
9729	500093.5	3734622	3.16E-03	0.00E+00	3.16E-03	5.50E-04
9730	500103.4	3734622	3.14E-03	0.00E+00	3.14E-03	5.47E-04
9731	500113.2	3734622	3.12E-03	0.00E+00	3.12E-03	5.43E-04
9732	500123	3734622	3.09E-03	0.00E+00	3.09E-03	5.39E-04
9733	500132.8	3734622	3.07E-03	0.00E+00	3.07E-03	5.35E-04
9734	500142.7	3734622	3.05E-03	0.00E+00	3.05E-03	5.31E-04
9735	500152.5	3734622	3.03E-03	0.00E+00	3.03E-03	5.27E-04
9736	500162.3	3734622	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9737	500172.1	3734622	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9738	500182	3734622	2.96E-03	0.00E+00	2.96E-03	5.15E-04
9739	499848.7	3734653	3.37E-03	0.00E+00	3.37E-03	5.86E-04
9740	499839.7	3734650	3.38E-03	0.00E+00	3.38E-03	5.90E-04
9741	499830.8	3734646	3.40E-03	0.00E+00	3.40E-03	5.93E-04
9742	499821.8	3734642	3.42E-03	0.00E+00	3.42E-03	5.96E-04
9743	499812.8	3734638	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9744	499803.8	3734634	3.45E-03	0.00E+00	3.45E-03	6.02E-04
9745	499794.8	3734631	3.47E-03	0.00E+00	3.47E-03	6.04E-04
9746	499785.9	3734627	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9747	499776.9	3734623	3.50E-03	0.00E+00	3.50E-03	6.09E-04
9748	499767.9	3734619	3.51E-03	0.00E+00	3.51E-03	6.11E-04
9749	499758.9	3734616	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9750	499750	3734612	3.53E-03	0.00E+00	3.53E-03	6.15E-04
9751	499741	3734608	3.54E-03	0.00E+00	3.54E-03	6.17E-04
9752	499732	3734604	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9753	499723	3734601	3.56E-03	0.00E+00	3.56E-03	6.20E-04
9754	499714	3734597	3.57E-03	0.00E+00	3.57E-03	6.21E-04
9755	499705.1	3734593	3.57E-03	0.00E+00	3.57E-03	6.23E-04
9756	499696.1	3734589	3.58E-03	0.00E+00	3.58E-03	6.23E-04
9757	499687.1	3734586	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9758	499678.1	3734582	3.58E-03	0.00E+00	3.58E-03	6.25E-04
9759	499669.1	3734578	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9760	499660.2	3734574	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9761	499651.2	3734571	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9762	499642.2	3734567	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9763	499633.2	3734563	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9764	499624.3	3734559	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9765	499570.4	3734537	3.54E-03	0.00E+00	3.54E-03	6.16E-04
9766	499561.4	3734533	3.53E-03	0.00E+00	3.53E-03	6.14E-04
9767	499552.4	3734529	3.51E-03	0.00E+00	3.51E-03	6.12E-04
9768	499543.5	3734525	3.50E-03	0.00E+00	3.50E-03	6.10E-04
9769	499534.5	3734522	3.49E-03	0.00E+00	3.49E-03	6.08E-04

9770	499525.5	3734518	3.47E-03	0.00E+00	3.47E-03	6.05E-04
9771	499516.5	3734514	3.46E-03	0.00E+00	3.46E-03	6.02E-04
9772	499507.5	3734510	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9773	499498.6	3734507	3.42E-03	0.00E+00	3.42E-03	5.96E-04
9774	499489.6	3734503	3.40E-03	0.00E+00	3.40E-03	5.93E-04
9775	499480.6	3734499	3.38E-03	0.00E+00	3.38E-03	5.90E-04
9776	499471.6	3734495	3.36E-03	0.00E+00	3.36E-03	5.86E-04
9777	499462.6	3734492	3.34E-03	0.00E+00	3.34E-03	5.82E-04
9778	499453.7	3734488	3.32E-03	0.00E+00	3.32E-03	5.78E-04
9779	499444.7	3734484	3.30E-03	0.00E+00	3.30E-03	5.74E-04
9780	499435.7	3734480	3.27E-03	0.00E+00	3.27E-03	5.70E-04
9781	499426.7	3734477	3.25E-03	0.00E+00	3.25E-03	5.66E-04
9782	499417.8	3734473	3.22E-03	0.00E+00	3.22E-03	5.62E-04
9783	499408.8	3734469	3.20E-03	0.00E+00	3.20E-03	5.57E-04
9784	499372.9	3734454	3.09E-03	0.00E+00	3.09E-03	5.38E-04
9785	499363.9	3734450	3.06E-03	0.00E+00	3.06E-03	5.33E-04
9786	499354.9	3734447	3.03E-03	0.00E+00	3.03E-03	5.28E-04
9787	499345.9	3734443	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9788	499337	3734439	2.97E-03	0.00E+00	2.97E-03	5.18E-04
9789	499328	3734435	2.94E-03	0.00E+00	2.94E-03	5.13E-04
9790	499319	3734432	2.91E-03	0.00E+00	2.91E-03	5.07E-04
9791	499310	3734428	2.88E-03	0.00E+00	2.88E-03	5.02E-04
9792	499301	3734424	2.85E-03	0.00E+00	2.85E-03	4.97E-04
9793	499292.1	3734420	2.82E-03	0.00E+00	2.82E-03	4.91E-04
9794	499283.1	3734416	2.79E-03	0.00E+00	2.79E-03	4.86E-04
9795	499274.1	3734413	2.76E-03	0.00E+00	2.76E-03	4.80E-04
9796	499265.1	3734409	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9797	499256.1	3734405	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9798	499247.2	3734401	2.66E-03	0.00E+00	2.66E-03	4.63E-04
9799	499238.2	3734398	2.63E-03	0.00E+00	2.63E-03	4.58E-04
9800	499229.2	3734394	2.59E-03	0.00E+00	2.59E-03	4.52E-04
9801	499220.2	3734390	2.56E-03	0.00E+00	2.56E-03	4.46E-04
9802	499211.3	3734386	2.53E-03	0.00E+00	2.53E-03	4.41E-04
9803	499202.3	3734383	2.50E-03	0.00E+00	2.50E-03	4.35E-04
9804	499193.3	3734379	2.46E-03	0.00E+00	2.46E-03	4.29E-04
9805	499184.3	3734375	2.43E-03	0.00E+00	2.43E-03	4.24E-04
9806	499175.3	3734371	2.40E-03	0.00E+00	2.40E-03	4.18E-04
9807	499166.4	3734368	2.37E-03	0.00E+00	2.37E-03	4.12E-04
9808	499157.4	3734364	2.33E-03	0.00E+00	2.33E-03	4.07E-04
9809	499148.4	3734360	2.30E-03	0.00E+00	2.30E-03	4.01E-04
9810	499139.4	3734356	2.27E-03	0.00E+00	2.27E-03	3.96E-04
9811	499130.4	3734353	2.24E-03	0.00E+00	2.24E-03	3.90E-04
9812	499121.5	3734349	2.21E-03	0.00E+00	2.21E-03	3.84E-04
9813	499112.5	3734345	2.18E-03	0.00E+00	2.18E-03	3.79E-04
9814	499103.5	3734341	2.14E-03	0.00E+00	2.14E-03	3.74E-04
9815	499094.5	3734338	2.11E-03	0.00E+00	2.11E-03	3.68E-04
9816	499085.6	3734334	2.08E-03	0.00E+00	2.08E-03	3.63E-04

9817	499076.6	3734330	2.05E-03	0.00E+00	2.05E-03	3.58E-04
9818	499063.9	3734317	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9819	499060.3	3734308	2.00E-03	0.00E+00	2.00E-03	3.48E-04
9820	499056.6	3734299	1.99E-03	0.00E+00	1.99E-03	3.46E-04
9821	499053	3734290	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9822	499049.3	3734281	1.96E-03	0.00E+00	1.96E-03	3.42E-04
9823	499045.6	3734272	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9824	499042	3734263	1.94E-03	0.00E+00	1.94E-03	3.38E-04
9825	499038.3	3734254	1.92E-03	0.00E+00	1.92E-03	3.35E-04
9826	499034.7	3734245	1.91E-03	0.00E+00	1.91E-03	3.33E-04
9827	499031	3734236	1.90E-03	0.00E+00	1.90E-03	3.31E-04
9828	499027.4	3734227	1.88E-03	0.00E+00	1.88E-03	3.28E-04
9829	499023.7	3734218	1.87E-03	0.00E+00	1.87E-03	3.26E-04
9830	499020	3734209	1.86E-03	0.00E+00	1.86E-03	3.23E-04
9831	499016.4	3734200	1.84E-03	0.00E+00	1.84E-03	3.21E-04
9832	499012.7	3734191	1.83E-03	0.00E+00	1.83E-03	3.18E-04
9833	499009.1	3734182	1.81E-03	0.00E+00	1.81E-03	3.16E-04
9834	499005.4	3734173	1.80E-03	0.00E+00	1.80E-03	3.13E-04
9835	499001.7	3734164	1.78E-03	0.00E+00	1.78E-03	3.11E-04
9836	498998.1	3734155	1.77E-03	0.00E+00	1.77E-03	3.08E-04
9837	498994.4	3734146	1.75E-03	0.00E+00	1.75E-03	3.06E-04
9838	498950.5	3734038	1.57E-03	0.00E+00	1.57E-03	2.74E-04
9839	498946.9	3734029	1.56E-03	0.00E+00	1.56E-03	2.72E-04
9840	498943.2	3734020	1.54E-03	0.00E+00	1.54E-03	2.69E-04
9841	498939.6	3734011	1.53E-03	0.00E+00	1.53E-03	2.67E-04
9842	498935.9	3734002	1.52E-03	0.00E+00	1.52E-03	2.64E-04
9843	498932.2	3733993	1.50E-03	0.00E+00	1.50E-03	2.61E-04
9844	498928.6	3733984	1.49E-03	0.00E+00	1.49E-03	2.59E-04
9845	498924.9	3733974	1.47E-03	0.00E+00	1.47E-03	2.56E-04
9846	498921.3	3733965	1.46E-03	0.00E+00	1.46E-03	2.54E-04
9847	498917.6	3733956	1.44E-03	0.00E+00	1.44E-03	2.51E-04
9848	498913.9	3733947	1.43E-03	0.00E+00	1.43E-03	2.49E-04
9849	498910.3	3733938	1.41E-03	0.00E+00	1.41E-03	2.46E-04
9850	498906.6	3733929	1.40E-03	0.00E+00	1.40E-03	2.44E-04
9851	498829.8	3733740	1.14E-03	0.00E+00	1.14E-03	1.99E-04
9852	498826.1	3733731	1.13E-03	0.00E+00	1.13E-03	1.97E-04
9853	498822.5	3733722	1.12E-03	0.00E+00	1.12E-03	1.95E-04
9854	498818.8	3733713	1.11E-03	0.00E+00	1.11E-03	1.93E-04
9855	498815.2	3733704	1.10E-03	0.00E+00	1.10E-03	1.91E-04
9856	498811.5	3733695	1.09E-03	0.00E+00	1.09E-03	1.89E-04
9857	498807.8	3733686	1.08E-03	0.00E+00	1.08E-03	1.88E-04
9858	498804.2	3733677	1.07E-03	0.00E+00	1.07E-03	1.86E-04
9859	498796.9	3733659	1.05E-03	0.00E+00	1.05E-03	1.83E-04
9860	498760.3	3733569	9.58E-04	0.00E+00	9.58E-04	1.67E-04
9861	498756.6	3733560	9.50E-04	0.00E+00	9.50E-04	1.66E-04
9862	498753	3733551	9.42E-04	0.00E+00	9.42E-04	1.64E-04
9863	498749.3	3733542	9.34E-04	0.00E+00	9.34E-04	1.63E-04

9864	499857.7	3734657	3.35E-03	0.00E+00	3.35E-03	5.83E-04
9865	499867.5	3734657	3.34E-03	0.00E+00	3.34E-03	5.82E-04
9866	499877.3	3734657	3.33E-03	0.00E+00	3.33E-03	5.81E-04
9867	499887.2	3734657	3.33E-03	0.00E+00	3.33E-03	5.80E-04
9868	499897	3734657	3.32E-03	0.00E+00	3.32E-03	5.78E-04
9869	499906.8	3734657	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9870	499916.6	3734657	3.30E-03	0.00E+00	3.30E-03	5.75E-04
9871	499926.5	3734657	3.29E-03	0.00E+00	3.29E-03	5.73E-04
9872	499936.3	3734657	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9873	499946.1	3734657	3.27E-03	0.00E+00	3.27E-03	5.69E-04
9874	499955.9	3734657	3.26E-03	0.00E+00	3.26E-03	5.67E-04
9875	499965.8	3734657	3.24E-03	0.00E+00	3.24E-03	5.65E-04
9876	499975.6	3734657	3.23E-03	0.00E+00	3.23E-03	5.63E-04
9877	499985.4	3734657	3.21E-03	0.00E+00	3.21E-03	5.60E-04
9878	499995.2	3734657	3.20E-03	0.00E+00	3.20E-03	5.58E-04
9879	500005.1	3734657	3.18E-03	0.00E+00	3.18E-03	5.55E-04
9880	500014.9	3734657	3.17E-03	0.00E+00	3.17E-03	5.52E-04
9881	500024.7	3734657	3.15E-03	0.00E+00	3.15E-03	5.49E-04
9882	500034.5	3734657	3.14E-03	0.00E+00	3.14E-03	5.46E-04
9883	500044.4	3734657	3.12E-03	0.00E+00	3.12E-03	5.43E-04
9884	500054.2	3734657	3.10E-03	0.00E+00	3.10E-03	5.40E-04
9885	500064	3734657	3.08E-03	0.00E+00	3.08E-03	5.37E-04
9886	500073.8	3734657	3.06E-03	0.00E+00	3.06E-03	5.34E-04
9887	500083.7	3734657	3.04E-03	0.00E+00	3.04E-03	5.30E-04
9888	500093.5	3734657	3.03E-03	0.00E+00	3.03E-03	5.27E-04
9889	500103.3	3734658	3.01E-03	0.00E+00	3.01E-03	5.24E-04
9890	500113.1	3734658	2.99E-03	0.00E+00	2.99E-03	5.20E-04
9891	500123	3734658	2.97E-03	0.00E+00	2.97E-03	5.17E-04
9892	500132.8	3734658	2.94E-03	0.00E+00	2.94E-03	5.13E-04
9893	500142.6	3734658	2.92E-03	0.00E+00	2.92E-03	5.09E-04
9894	500152.4	3734658	2.90E-03	0.00E+00	2.90E-03	5.06E-04
9895	500162.3	3734658	2.88E-03	0.00E+00	2.88E-03	5.02E-04
9896	500172.1	3734658	2.86E-03	0.00E+00	2.86E-03	4.98E-04
9897	500181.9	3734658	2.84E-03	0.00E+00	2.84E-03	4.94E-04
9898	499848.6	3734689	3.22E-03	0.00E+00	3.22E-03	5.62E-04
9899	499839.5	3734685	3.24E-03	0.00E+00	3.24E-03	5.65E-04
9900	499830.4	3734681	3.26E-03	0.00E+00	3.26E-03	5.68E-04
9901	499821.4	3734678	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9902	499812.3	3734674	3.29E-03	0.00E+00	3.29E-03	5.74E-04
9903	499803.3	3734670	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9904	499794.2	3734666	3.32E-03	0.00E+00	3.32E-03	5.79E-04
9905	499785.1	3734662	3.34E-03	0.00E+00	3.34E-03	5.82E-04
9906	499776.1	3734659	3.35E-03	0.00E+00	3.35E-03	5.84E-04
9907	499767	3734655	3.36E-03	0.00E+00	3.36E-03	5.86E-04
9908	499758	3734651	3.38E-03	0.00E+00	3.38E-03	5.88E-04
9909	499748.9	3734647	3.39E-03	0.00E+00	3.39E-03	5.90E-04
9910	499739.8	3734643	3.40E-03	0.00E+00	3.40E-03	5.92E-04

9911	499730.8	3734640	3.41E-03	0.00E+00	3.41E-03	5.94E-04
9912	499721.7	3734636	3.42E-03	0.00E+00	3.42E-03	5.95E-04
9913	499712.7	3734632	3.42E-03	0.00E+00	3.42E-03	5.96E-04
9914	499703.6	3734628	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9915	499694.5	3734624	3.43E-03	0.00E+00	3.43E-03	5.98E-04
9916	499685.5	3734621	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9917	499676.4	3734617	3.44E-03	0.00E+00	3.44E-03	6.00E-04
9918	499667.4	3734613	3.45E-03	0.00E+00	3.45E-03	6.00E-04
9919	499658.3	3734609	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9920	499649.2	3734606	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9921	499640.2	3734602	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9922	499631.1	3734598	3.45E-03	0.00E+00	3.45E-03	6.00E-04
9923	499622.1	3734594	3.44E-03	0.00E+00	3.44E-03	6.00E-04
9924	499613	3734590	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9925	499603.9	3734587	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9926	499594.9	3734583	3.43E-03	0.00E+00	3.43E-03	5.98E-04
9927	499585.8	3734579	3.42E-03	0.00E+00	3.42E-03	5.97E-04
9928	499576.8	3734575	3.42E-03	0.00E+00	3.42E-03	5.95E-04
9929	499549.6	3734564	3.39E-03	0.00E+00	3.39E-03	5.90E-04
9930	499540.5	3734560	3.38E-03	0.00E+00	3.38E-03	5.88E-04
9931	499477.1	3734533	3.27E-03	0.00E+00	3.27E-03	5.70E-04
9932	499468	3734530	3.25E-03	0.00E+00	3.25E-03	5.67E-04
9933	499459	3734526	3.23E-03	0.00E+00	3.23E-03	5.63E-04
9934	499449.9	3734522	3.21E-03	0.00E+00	3.21E-03	5.60E-04
9935	499440.9	3734518	3.19E-03	0.00E+00	3.19E-03	5.56E-04
9936	499431.8	3734514	3.17E-03	0.00E+00	3.17E-03	5.53E-04
9937	499422.7	3734511	3.15E-03	0.00E+00	3.15E-03	5.49E-04
9938	499413.7	3734507	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9939	499368.4	3734488	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9940	499359.3	3734484	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9941	499350.3	3734480	2.95E-03	0.00E+00	2.95E-03	5.14E-04
9942	499341.2	3734477	2.92E-03	0.00E+00	2.92E-03	5.09E-04
9943	499332.1	3734473	2.89E-03	0.00E+00	2.89E-03	5.04E-04
9944	499323.1	3734469	2.87E-03	0.00E+00	2.87E-03	4.99E-04
9945	499314	3734465	2.84E-03	0.00E+00	2.84E-03	4.94E-04
9946	499305	3734461	2.81E-03	0.00E+00	2.81E-03	4.89E-04
9947	499295.9	3734458	2.78E-03	0.00E+00	2.78E-03	4.84E-04
9948	499286.8	3734454	2.75E-03	0.00E+00	2.75E-03	4.79E-04
9949	499277.8	3734450	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9950	499268.7	3734446	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9951	499259.7	3734442	2.66E-03	0.00E+00	2.66E-03	4.64E-04
9952	499250.6	3734439	2.63E-03	0.00E+00	2.63E-03	4.58E-04
9953	499241.5	3734435	2.60E-03	0.00E+00	2.60E-03	4.53E-04
9954	499232.5	3734431	2.57E-03	0.00E+00	2.57E-03	4.48E-04
9955	499223.4	3734427	2.54E-03	0.00E+00	2.54E-03	4.42E-04
9956	499214.3	3734423	2.51E-03	0.00E+00	2.51E-03	4.37E-04
9957	499205.3	3734420	2.48E-03	0.00E+00	2.48E-03	4.32E-04

9958	499196.2	3734416	2.45E-03	0.00E+00	2.45E-03	4.26E-04
9959	499187.2	3734412	2.42E-03	0.00E+00	2.42E-03	4.21E-04
9960	499178.1	3734408	2.38E-03	0.00E+00	2.38E-03	4.15E-04
9961	499169	3734404	2.35E-03	0.00E+00	2.35E-03	4.10E-04
9962	499160	3734401	2.32E-03	0.00E+00	2.32E-03	4.05E-04
9963	499150.9	3734397	2.29E-03	0.00E+00	2.29E-03	3.99E-04
9964	499141.9	3734393	2.26E-03	0.00E+00	2.26E-03	3.94E-04
9965	499132.8	3734389	2.23E-03	0.00E+00	2.23E-03	3.89E-04
9966	499123.7	3734386	2.20E-03	0.00E+00	2.20E-03	3.83E-04
9967	499114.7	3734382	2.17E-03	0.00E+00	2.17E-03	3.78E-04
9968	499105.6	3734378	2.14E-03	0.00E+00	2.14E-03	3.73E-04
9969	499096.6	3734374	2.11E-03	0.00E+00	2.11E-03	3.68E-04
9970	499087.5	3734370	2.08E-03	0.00E+00	2.08E-03	3.63E-04
9971	499078.4	3734367	2.05E-03	0.00E+00	2.05E-03	3.57E-04
9972	499069.4	3734363	2.02E-03	0.00E+00	2.02E-03	3.52E-04
9973	499060.3	3734359	1.99E-03	0.00E+00	1.99E-03	3.47E-04
9974	499051.3	3734355	1.96E-03	0.00E+00	1.96E-03	3.42E-04
9975	499038.5	3734342	1.93E-03	0.00E+00	1.93E-03	3.35E-04
9976	499034.8	3734333	1.91E-03	0.00E+00	1.91E-03	3.34E-04
9977	499031.1	3734324	1.90E-03	0.00E+00	1.90E-03	3.32E-04
9978	499027.4	3734315	1.89E-03	0.00E+00	1.89E-03	3.30E-04
9979	499023.7	3734306	1.88E-03	0.00E+00	1.88E-03	3.27E-04
9980	499020.1	3734297	1.87E-03	0.00E+00	1.87E-03	3.25E-04
9981	499016.4	3734288	1.86E-03	0.00E+00	1.86E-03	3.23E-04
9982	499012.7	3734279	1.84E-03	0.00E+00	1.84E-03	3.21E-04
9983	499009	3734269	1.83E-03	0.00E+00	1.83E-03	3.19E-04
9984	499005.3	3734260	1.82E-03	0.00E+00	1.82E-03	3.17E-04
9985	499001.6	3734251	1.80E-03	0.00E+00	1.80E-03	3.14E-04
9986	498997.9	3734242	1.79E-03	0.00E+00	1.79E-03	3.12E-04
9987	498994.2	3734233	1.78E-03	0.00E+00	1.78E-03	3.10E-04
9988	498990.5	3734224	1.76E-03	0.00E+00	1.76E-03	3.08E-04
9989	498986.8	3734215	1.75E-03	0.00E+00	1.75E-03	3.05E-04
9990	498983.1	3734206	1.74E-03	0.00E+00	1.74E-03	3.03E-04
9991	498979.4	3734197	1.72E-03	0.00E+00	1.72E-03	3.00E-04
9992	498975.8	3734188	1.71E-03	0.00E+00	1.71E-03	2.98E-04
9993	498957.3	3734142	1.64E-03	0.00E+00	1.64E-03	2.86E-04
9994	498953.6	3734133	1.63E-03	0.00E+00	1.63E-03	2.83E-04
9995	498949.9	3734124	1.61E-03	0.00E+00	1.61E-03	2.81E-04
9996	498946.2	3734115	1.60E-03	0.00E+00	1.60E-03	2.78E-04
9997	498942.5	3734106	1.58E-03	0.00E+00	1.58E-03	2.76E-04
9998	498938.8	3734097	1.57E-03	0.00E+00	1.57E-03	2.73E-04
9999	498909.3	3734024	1.46E-03	0.00E+00	1.46E-03	2.54E-04
10000	498905.6	3734015	1.44E-03	0.00E+00	1.44E-03	2.51E-04
10001	498901.9	3734006	1.43E-03	0.00E+00	1.43E-03	2.49E-04
10002	498898.2	3733996	1.41E-03	0.00E+00	1.41E-03	2.46E-04
10003	498894.5	3733987	1.40E-03	0.00E+00	1.40E-03	2.44E-04
10004	498890.8	3733978	1.39E-03	0.00E+00	1.39E-03	2.42E-04

10005	498887.2	3733969	1.37E-03	0.00E+00	1.37E-03	2.39E-04
10006	498883.5	3733960	1.36E-03	0.00E+00	1.36E-03	2.37E-04
10007	498879.8	3733951	1.35E-03	0.00E+00	1.35E-03	2.35E-04
10008	498876.1	3733942	1.33E-03	0.00E+00	1.33E-03	2.32E-04
10009	498872.4	3733933	1.32E-03	0.00E+00	1.32E-03	2.30E-04
10010	498794.9	3733742	1.08E-03	0.00E+00	1.08E-03	1.88E-04
10011	498791.2	3733732	1.07E-03	0.00E+00	1.07E-03	1.86E-04
10012	498787.5	3733723	1.06E-03	0.00E+00	1.06E-03	1.85E-04
10013	498783.8	3733714	1.05E-03	0.00E+00	1.05E-03	1.83E-04
10014	498780.1	3733705	1.04E-03	0.00E+00	1.04E-03	1.81E-04
10015	498776.4	3733696	1.03E-03	0.00E+00	1.03E-03	1.80E-04
10016	498772.7	3733687	1.02E-03	0.00E+00	1.02E-03	1.78E-04
10017	498769	3733678	1.01E-03	0.00E+00	1.01E-03	1.76E-04
10018	498765.3	3733669	1.00E-03	0.00E+00	1.00E-03	1.75E-04
10019	498761.6	3733660	9.95E-04	0.00E+00	9.95E-04	1.73E-04
10020	498757.9	3733651	9.86E-04	0.00E+00	9.86E-04	1.72E-04
10021	498754.2	3733641	9.77E-04	0.00E+00	9.77E-04	1.70E-04
10022	498750.6	3733632	9.69E-04	0.00E+00	9.69E-04	1.69E-04
10023	498746.9	3733623	9.60E-04	0.00E+00	9.60E-04	1.67E-04
10024	498743.2	3733614	9.52E-04	0.00E+00	9.52E-04	1.66E-04
10025	498739.5	3733605	9.44E-04	0.00E+00	9.44E-04	1.64E-04
10026	498735.8	3733596	9.36E-04	0.00E+00	9.36E-04	1.63E-04
10027	498732.1	3733587	9.28E-04	0.00E+00	9.28E-04	1.62E-04
10028	498728.4	3733578	9.20E-04	0.00E+00	9.20E-04	1.60E-04
10029	498724.7	3733569	9.12E-04	0.00E+00	9.12E-04	1.59E-04
10030	498721	3733560	9.04E-04	0.00E+00	9.04E-04	1.58E-04
10031	498717.3	3733550	8.97E-04	0.00E+00	8.97E-04	1.56E-04
10032	498713.6	3733541	8.89E-04	0.00E+00	8.89E-04	1.55E-04
10033	499857.6	3734693	3.20E-03	0.00E+00	3.20E-03	5.58E-04
10034	499867.4	3734693	3.20E-03	0.00E+00	3.20E-03	5.57E-04
10035	499877.3	3734693	3.19E-03	0.00E+00	3.19E-03	5.56E-04
10036	499887.1	3734693	3.19E-03	0.00E+00	3.19E-03	5.55E-04
10037	499896.9	3734693	3.18E-03	0.00E+00	3.18E-03	5.54E-04
10038	499906.7	3734693	3.17E-03	0.00E+00	3.17E-03	5.52E-04
10039	499916.6	3734693	3.16E-03	0.00E+00	3.16E-03	5.51E-04
10040	499926.4	3734693	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10041	499936.2	3734693	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10042	499946	3734693	3.13E-03	0.00E+00	3.13E-03	5.45E-04
10043	499955.9	3734693	3.12E-03	0.00E+00	3.12E-03	5.43E-04
10044	499965.7	3734693	3.11E-03	0.00E+00	3.11E-03	5.41E-04
10045	499975.5	3734693	3.09E-03	0.00E+00	3.09E-03	5.39E-04
10046	499985.3	3734693	3.08E-03	0.00E+00	3.08E-03	5.36E-04
10047	499995.2	3734693	3.06E-03	0.00E+00	3.06E-03	5.34E-04
10048	500005	3734693	3.05E-03	0.00E+00	3.05E-03	5.31E-04
10049	500014.8	3734693	3.04E-03	0.00E+00	3.04E-03	5.29E-04
10050	500024.6	3734693	3.02E-03	0.00E+00	3.02E-03	5.26E-04
10051	500034.5	3734693	3.00E-03	0.00E+00	3.00E-03	5.23E-04

10052	500044.3	3734693	2.99E-03	0.00E+00	2.99E-03	5.21E-04
10053	500054.1	3734693	2.97E-03	0.00E+00	2.97E-03	5.18E-04
10054	500063.9	3734693	2.95E-03	0.00E+00	2.95E-03	5.15E-04
10055	500073.8	3734693	2.94E-03	0.00E+00	2.94E-03	5.12E-04
10056	500083.6	3734693	2.92E-03	0.00E+00	2.92E-03	5.09E-04
10057	500093.4	3734693	2.90E-03	0.00E+00	2.90E-03	5.05E-04
10058	500103.2	3734693	2.88E-03	0.00E+00	2.88E-03	5.02E-04
10059	500113.1	3734693	2.86E-03	0.00E+00	2.86E-03	4.99E-04
10060	500122.9	3734693	2.84E-03	0.00E+00	2.84E-03	4.96E-04
10061	500132.7	3734693	2.83E-03	0.00E+00	2.83E-03	4.92E-04
10062	500142.5	3734693	2.81E-03	0.00E+00	2.81E-03	4.89E-04
10063	500152.4	3734693	2.79E-03	0.00E+00	2.79E-03	4.85E-04
10064	500162.2	3734693	2.77E-03	0.00E+00	2.77E-03	4.82E-04
10065	500172	3734693	2.75E-03	0.00E+00	2.75E-03	4.78E-04
10066	500181.8	3734693	2.73E-03	0.00E+00	2.73E-03	4.75E-04
10067	500225.1	3733565	2.22E-02	0.00E+00	2.22E-02	3.87E-03
10068	500233.9	3733534	2.20E-02	0.00E+00	2.20E-02	3.84E-03
10069	500233.9	3733524	2.26E-02	0.00E+00	2.26E-02	3.94E-03
10070	500234	3733514	2.32E-02	0.00E+00	2.32E-02	4.05E-03
10071	500234	3733505	2.39E-02	0.00E+00	2.39E-02	4.17E-03
10072	500234	3733495	2.47E-02	0.00E+00	2.47E-02	4.30E-03
10073	500234	3733485	2.55E-02	0.00E+00	2.55E-02	4.43E-03
10074	500234	3733475	2.62E-02	0.00E+00	2.62E-02	4.57E-03
10075	500234	3733466	2.69E-02	0.00E+00	2.69E-02	4.69E-03
10076	500234	3733456	2.76E-02	0.00E+00	2.76E-02	4.81E-03
10077	500234	3733446	2.83E-02	0.00E+00	2.83E-02	4.92E-03
10078	500234	3733436	2.89E-02	0.00E+00	2.89E-02	5.04E-03
10079	500234	3733427	2.95E-02	0.00E+00	2.95E-02	5.14E-03
10080	500234.1	3733417	3.00E-02	0.00E+00	3.00E-02	5.23E-03
10081	500234.1	3733407	3.05E-02	0.00E+00	3.05E-02	5.32E-03
10082	500234.1	3733378	3.18E-02	0.00E+00	3.18E-02	5.54E-03
10083	500234.1	3733368	3.21E-02	0.00E+00	3.21E-02	5.59E-03
10084	500234.1	3733359	3.24E-02	0.00E+00	3.24E-02	5.64E-03
10085	500234.1	3733349	3.26E-02	0.00E+00	3.26E-02	5.69E-03
10086	500234.1	3733339	3.28E-02	0.00E+00	3.28E-02	5.72E-03
10087	500234.1	3733330	3.30E-02	0.00E+00	3.30E-02	5.75E-03
10088	500234.2	3733320	3.31E-02	0.00E+00	3.31E-02	5.77E-03
10089	500234.2	3733310	3.32E-02	0.00E+00	3.32E-02	5.79E-03
10090	500234.2	3733300	3.33E-02	0.00E+00	3.33E-02	5.80E-03
10091	500234.2	3733291	3.33E-02	0.00E+00	3.33E-02	5.80E-03
10092	500234.2	3733281	3.32E-02	0.00E+00	3.32E-02	5.79E-03
10093	500234.2	3733271	3.31E-02	0.00E+00	3.31E-02	5.77E-03
10094	500234.2	3733261	3.30E-02	0.00E+00	3.30E-02	5.75E-03
10095	500234.2	3733252	3.28E-02	0.00E+00	3.28E-02	5.72E-03
10096	500234.2	3733242	3.26E-02	0.00E+00	3.26E-02	5.69E-03
10097	500234.2	3733232	3.24E-02	0.00E+00	3.24E-02	5.65E-03
10098	500234.3	3733223	3.21E-02	0.00E+00	3.21E-02	5.60E-03

10099	500234.3	3733213	3.19E-02	0.00E+00	3.19E-02	5.55E-03
10100	500234.3	3733203	3.15E-02	0.00E+00	3.15E-02	5.49E-03
10101	500246.9	3733560	1.82E-02	0.00E+00	1.82E-02	3.18E-03
10102	500243.3	3733569	1.85E-02	0.00E+00	1.85E-02	3.22E-03
10103	500239.8	3733577	1.87E-02	0.00E+00	1.87E-02	3.25E-03
10104	500227.8	3733589	2.00E-02	0.00E+00	2.00E-02	3.49E-03
10105	500219.3	3733593	2.13E-02	0.00E+00	2.13E-02	3.71E-03
10106	500254.1	3733378	2.45E-02	0.00E+00	2.45E-02	4.27E-03
10107	500254.1	3733368	2.48E-02	0.00E+00	2.48E-02	4.31E-03
10108	500254.1	3733359	2.50E-02	0.00E+00	2.50E-02	4.36E-03
10109	500254.1	3733349	2.52E-02	0.00E+00	2.52E-02	4.39E-03
10110	500254.1	3733339	2.54E-02	0.00E+00	2.54E-02	4.42E-03
10111	500254.1	3733330	2.55E-02	0.00E+00	2.55E-02	4.45E-03
10112	500254.2	3733320	2.57E-02	0.00E+00	2.57E-02	4.48E-03
10113	500254.2	3733310	2.58E-02	0.00E+00	2.58E-02	4.50E-03
10114	500254.2	3733300	2.59E-02	0.00E+00	2.59E-02	4.51E-03
10115	500254.2	3733291	2.60E-02	0.00E+00	2.60E-02	4.52E-03
10116	500254.2	3733281	2.60E-02	0.00E+00	2.60E-02	4.53E-03
10117	500254.2	3733271	2.60E-02	0.00E+00	2.60E-02	4.52E-03
10118	500254.2	3733261	2.59E-02	0.00E+00	2.59E-02	4.52E-03
10119	500254.2	3733252	2.58E-02	0.00E+00	2.58E-02	4.50E-03
10120	500254.2	3733242	2.58E-02	0.00E+00	2.58E-02	4.49E-03
10121	500254.2	3733232	2.57E-02	0.00E+00	2.57E-02	4.48E-03
10122	500254.3	3733223	2.56E-02	0.00E+00	2.56E-02	4.46E-03
10123	500270.6	3733552	1.51E-02	0.00E+00	1.51E-02	2.64E-03
10124	500242.3	3733603	1.71E-02	0.00E+00	1.71E-02	2.98E-03
10125	500226.1	3733610	1.90E-02	0.00E+00	1.90E-02	3.31E-03
10126	500273.9	3733534	1.51E-02	0.00E+00	1.51E-02	2.63E-03
10127	500274	3733505	1.58E-02	0.00E+00	1.58E-02	2.75E-03
10128	500274	3733495	1.60E-02	0.00E+00	1.60E-02	2.79E-03
10129	500274	3733485	1.63E-02	0.00E+00	1.63E-02	2.84E-03
10130	500274	3733475	1.66E-02	0.00E+00	1.66E-02	2.89E-03
10131	500274	3733466	1.69E-02	0.00E+00	1.69E-02	2.94E-03
10132	500274	3733456	1.72E-02	0.00E+00	1.72E-02	3.00E-03
10133	500274	3733446	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10134	500274.1	3733417	1.84E-02	0.00E+00	1.84E-02	3.21E-03
10135	500274.1	3733407	1.87E-02	0.00E+00	1.87E-02	3.26E-03
10136	500274.1	3733398	1.90E-02	0.00E+00	1.90E-02	3.31E-03
10137	500274.1	3733388	1.93E-02	0.00E+00	1.93E-02	3.36E-03
10138	500274.1	3733378	1.95E-02	0.00E+00	1.95E-02	3.40E-03
10139	500274.1	3733368	1.97E-02	0.00E+00	1.97E-02	3.44E-03
10140	500274.1	3733339	2.03E-02	0.00E+00	2.03E-02	3.53E-03
10141	500274.1	3733330	2.04E-02	0.00E+00	2.04E-02	3.56E-03
10142	500274.2	3733320	2.06E-02	0.00E+00	2.06E-02	3.59E-03
10143	500274.2	3733310	2.07E-02	0.00E+00	2.07E-02	3.61E-03
10144	500274.2	3733300	2.08E-02	0.00E+00	2.08E-02	3.63E-03
10145	500274.2	3733291	2.09E-02	0.00E+00	2.09E-02	3.64E-03

10146	500274.2	3733281	2.09E-02	0.00E+00	2.09E-02	3.65E-03
10147	500274.2	3733252	2.10E-02	0.00E+00	2.10E-02	3.66E-03
10148	500274.2	3733242	2.10E-02	0.00E+00	2.10E-02	3.66E-03
10149	500274.2	3733232	2.10E-02	0.00E+00	2.10E-02	3.66E-03
10150	500274.3	3733223	2.10E-02	0.00E+00	2.10E-02	3.65E-03
10151	500290.3	3733552	1.30E-02	0.00E+00	1.30E-02	2.26E-03
10152	500286.6	3733561	1.32E-02	0.00E+00	1.32E-02	2.30E-03
10153	500282.9	3733570	1.34E-02	0.00E+00	1.34E-02	2.34E-03
10154	500279.2	3733579	1.36E-02	0.00E+00	1.36E-02	2.38E-03
10155	500275.6	3733588	1.38E-02	0.00E+00	1.38E-02	2.41E-03
10156	500255.7	3733618	1.50E-02	0.00E+00	1.50E-02	2.62E-03
10157	500246.8	3733622	1.58E-02	0.00E+00	1.58E-02	2.76E-03
10158	500238	3733625	1.67E-02	0.00E+00	1.67E-02	2.90E-03
10159	500229.1	3733629	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10160	500220.3	3733632	1.84E-02	0.00E+00	1.84E-02	3.20E-03
10161	500293.9	3733544	1.28E-02	0.00E+00	1.28E-02	2.23E-03
10162	500293.9	3733534	1.29E-02	0.00E+00	1.29E-02	2.25E-03
10163	500294	3733505	1.33E-02	0.00E+00	1.33E-02	2.32E-03
10164	500294	3733495	1.35E-02	0.00E+00	1.35E-02	2.35E-03
10165	500294	3733485	1.37E-02	0.00E+00	1.37E-02	2.38E-03
10166	500294	3733475	1.39E-02	0.00E+00	1.39E-02	2.42E-03
10167	500294	3733466	1.41E-02	0.00E+00	1.41E-02	2.45E-03
10168	500294	3733456	1.43E-02	0.00E+00	1.43E-02	2.49E-03
10169	500294	3733446	1.45E-02	0.00E+00	1.45E-02	2.52E-03
10170	500294.1	3733417	1.51E-02	0.00E+00	1.51E-02	2.64E-03
10171	500294.1	3733407	1.53E-02	0.00E+00	1.53E-02	2.67E-03
10172	500294.1	3733398	1.55E-02	0.00E+00	1.55E-02	2.71E-03
10173	500294.1	3733388	1.57E-02	0.00E+00	1.57E-02	2.74E-03
10174	500294.1	3733378	1.59E-02	0.00E+00	1.59E-02	2.78E-03
10175	500294.1	3733368	1.61E-02	0.00E+00	1.61E-02	2.81E-03
10176	500294.1	3733339	1.66E-02	0.00E+00	1.66E-02	2.89E-03
10177	500294.1	3733330	1.67E-02	0.00E+00	1.67E-02	2.92E-03
10178	500294.2	3733320	1.69E-02	0.00E+00	1.69E-02	2.94E-03
10179	500294.2	3733310	1.70E-02	0.00E+00	1.70E-02	2.96E-03
10180	500294.2	3733300	1.71E-02	0.00E+00	1.71E-02	2.98E-03
10181	500294.2	3733291	1.72E-02	0.00E+00	1.72E-02	2.99E-03
10182	500294.2	3733281	1.73E-02	0.00E+00	1.73E-02	3.01E-03
10183	500294.2	3733252	1.74E-02	0.00E+00	1.74E-02	3.04E-03
10184	500294.2	3733242	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10185	500294.2	3733232	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10186	500294.3	3733223	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10187	500294.3	3733213	1.75E-02	0.00E+00	1.75E-02	3.06E-03
10188	500294.3	3733203	1.75E-02	0.00E+00	1.75E-02	3.06E-03
10189	500310.4	3733552	1.13E-02	0.00E+00	1.13E-02	1.97E-03
10190	500306.9	3733560	1.15E-02	0.00E+00	1.15E-02	2.00E-03
10191	500303.3	3733569	1.17E-02	0.00E+00	1.17E-02	2.03E-03
10192	500299.8	3733577	1.18E-02	0.00E+00	1.18E-02	2.06E-03

10193	500296.3	3733586	1.20E-02	0.00E+00	1.20E-02	2.09E-03
10194	500285.7	3733611	1.25E-02	0.00E+00	1.25E-02	2.17E-03
10195	500282.2	3733620	1.26E-02	0.00E+00	1.26E-02	2.19E-03
10196	500270.2	3733632	1.33E-02	0.00E+00	1.33E-02	2.32E-03
10197	500261.7	3733635	1.39E-02	0.00E+00	1.39E-02	2.43E-03
10198	500253.2	3733639	1.46E-02	0.00E+00	1.46E-02	2.54E-03
10199	500244.7	3733642	1.52E-02	0.00E+00	1.52E-02	2.65E-03
10200	500236.2	3733646	1.59E-02	0.00E+00	1.59E-02	2.77E-03
10201	500227.7	3733649	1.66E-02	0.00E+00	1.66E-02	2.89E-03
10202	500313.9	3733544	1.11E-02	0.00E+00	1.11E-02	1.93E-03
10203	500313.9	3733534	1.12E-02	0.00E+00	1.12E-02	1.95E-03
10204	500314	3733505	1.15E-02	0.00E+00	1.15E-02	2.00E-03
10205	500314	3733495	1.16E-02	0.00E+00	1.16E-02	2.02E-03
10206	500314	3733485	1.17E-02	0.00E+00	1.17E-02	2.04E-03
10207	500314	3733475	1.18E-02	0.00E+00	1.18E-02	2.06E-03
10208	500314	3733466	1.19E-02	0.00E+00	1.19E-02	2.08E-03
10209	500314	3733456	1.21E-02	0.00E+00	1.21E-02	2.10E-03
10210	500314	3733446	1.22E-02	0.00E+00	1.22E-02	2.13E-03
10211	500314.1	3733417	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10212	500314.1	3733407	1.28E-02	0.00E+00	1.28E-02	2.23E-03
10213	500314.1	3733398	1.30E-02	0.00E+00	1.30E-02	2.26E-03
10214	500314.1	3733388	1.31E-02	0.00E+00	1.31E-02	2.29E-03
10215	500314.1	3733378	1.33E-02	0.00E+00	1.33E-02	2.31E-03
10216	500314.1	3733368	1.34E-02	0.00E+00	1.34E-02	2.34E-03
10217	500314.1	3733339	1.38E-02	0.00E+00	1.38E-02	2.41E-03
10218	500314.1	3733330	1.40E-02	0.00E+00	1.40E-02	2.43E-03
10219	500314.2	3733320	1.41E-02	0.00E+00	1.41E-02	2.45E-03
10220	500314.2	3733310	1.42E-02	0.00E+00	1.42E-02	2.47E-03
10221	500314.2	3733300	1.43E-02	0.00E+00	1.43E-02	2.49E-03
10222	500314.2	3733291	1.44E-02	0.00E+00	1.44E-02	2.51E-03
10223	500314.2	3733281	1.45E-02	0.00E+00	1.45E-02	2.52E-03
10224	500314.2	3733252	1.47E-02	0.00E+00	1.47E-02	2.56E-03
10225	500314.2	3733242	1.48E-02	0.00E+00	1.48E-02	2.57E-03
10226	500314.2	3733232	1.48E-02	0.00E+00	1.48E-02	2.58E-03
10227	500314.3	3733223	1.49E-02	0.00E+00	1.49E-02	2.59E-03
10228	500314.3	3733213	1.49E-02	0.00E+00	1.49E-02	2.60E-03
10229	500314.3	3733203	1.50E-02	0.00E+00	1.50E-02	2.61E-03
10230	500330.5	3733552	9.89E-03	0.00E+00	9.89E-03	1.72E-03
10231	500323.6	3733568	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10232	500316.8	3733585	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10233	500303.1	3733618	1.11E-02	0.00E+00	1.11E-02	1.93E-03
10234	500296.2	3733634	1.13E-02	0.00E+00	1.13E-02	1.97E-03
10235	500284.5	3733646	1.19E-02	0.00E+00	1.19E-02	2.07E-03
10236	500268	3733653	1.29E-02	0.00E+00	1.29E-02	2.25E-03
10237	500251.5	3733660	1.40E-02	0.00E+00	1.40E-02	2.44E-03
10238	500234.9	3733666	1.51E-02	0.00E+00	1.51E-02	2.64E-03
10239	500333.9	3733534	9.79E-03	0.00E+00	9.79E-03	1.71E-03

10240	500334	3733505	9.98E-03	0.00E+00	9.98E-03	1.74E-03
10241	500334	3733495	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10242	500334	3733485	1.01E-02	0.00E+00	1.01E-02	1.76E-03
10243	500334	3733475	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10244	500334	3733466	1.03E-02	0.00E+00	1.03E-02	1.79E-03
10245	500334	3733456	1.04E-02	0.00E+00	1.04E-02	1.81E-03
10246	500334	3733446	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10247	500334	3733427	1.07E-02	0.00E+00	1.07E-02	1.86E-03
10248	500334.1	3733417	1.08E-02	0.00E+00	1.08E-02	1.88E-03
10249	500334.1	3733407	1.09E-02	0.00E+00	1.09E-02	1.90E-03
10250	500334.1	3733398	1.10E-02	0.00E+00	1.10E-02	1.92E-03
10251	500334.1	3733388	1.11E-02	0.00E+00	1.11E-02	1.94E-03
10252	500334.1	3733378	1.13E-02	0.00E+00	1.13E-02	1.96E-03
10253	500334.1	3733369	1.14E-02	0.00E+00	1.14E-02	1.98E-03
10254	500334.1	3733339	1.17E-02	0.00E+00	1.17E-02	2.04E-03
10255	500334.1	3733330	1.18E-02	0.00E+00	1.18E-02	2.06E-03
10256	500334.2	3733320	1.19E-02	0.00E+00	1.19E-02	2.08E-03
10257	500334.2	3733310	1.20E-02	0.00E+00	1.20E-02	2.10E-03
10258	500334.2	3733300	1.21E-02	0.00E+00	1.21E-02	2.11E-03
10259	500334.2	3733291	1.22E-02	0.00E+00	1.22E-02	2.13E-03
10260	500334.2	3733281	1.23E-02	0.00E+00	1.23E-02	2.15E-03
10261	500334.2	3733252	1.26E-02	0.00E+00	1.26E-02	2.19E-03
10262	500334.2	3733242	1.26E-02	0.00E+00	1.26E-02	2.20E-03
10263	500334.2	3733232	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10264	500334.3	3733223	1.28E-02	0.00E+00	1.28E-02	2.23E-03
10265	500334.3	3733213	1.28E-02	0.00E+00	1.28E-02	2.24E-03
10266	500350.3	3733552	8.75E-03	0.00E+00	8.75E-03	1.52E-03
10267	500346.7	3733561	8.90E-03	0.00E+00	8.90E-03	1.55E-03
10268	500343.1	3733570	9.06E-03	0.00E+00	9.06E-03	1.58E-03
10269	500339.5	3733578	9.21E-03	0.00E+00	9.21E-03	1.60E-03
10270	500335.8	3733587	9.36E-03	0.00E+00	9.36E-03	1.63E-03
10271	500325	3733613	9.77E-03	0.00E+00	9.77E-03	1.70E-03
10272	500321.4	3733622	9.90E-03	0.00E+00	9.90E-03	1.72E-03
10273	500317.7	3733631	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10274	500314.1	3733639	1.01E-02	0.00E+00	1.01E-02	1.76E-03
10275	500310.5	3733648	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10276	500298.2	3733660	1.08E-02	0.00E+00	1.08E-02	1.87E-03
10277	500289.5	3733664	1.12E-02	0.00E+00	1.12E-02	1.95E-03
10278	500280.7	3733667	1.17E-02	0.00E+00	1.17E-02	2.04E-03
10279	500272	3733671	1.22E-02	0.00E+00	1.22E-02	2.12E-03
10280	500263.3	3733675	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10281	500254.6	3733678	1.32E-02	0.00E+00	1.32E-02	2.30E-03
10282	500245.9	3733682	1.37E-02	0.00E+00	1.37E-02	2.38E-03
10283	500237.2	3733685	1.42E-02	0.00E+00	1.42E-02	2.47E-03
10284	500228.5	3733689	1.47E-02	0.00E+00	1.47E-02	2.56E-03
10285	500219.8	3733693	1.52E-02	0.00E+00	1.52E-02	2.65E-03
10286	500353.9	3733544	8.60E-03	0.00E+00	8.60E-03	1.50E-03

10287	500353.9	3733534	8.64E-03	0.00E+00	8.64E-03	1.51E-03
10288	500354	3733505	8.77E-03	0.00E+00	8.77E-03	1.53E-03
10289	500354	3733495	8.82E-03	0.00E+00	8.82E-03	1.54E-03
10290	500354	3733485	8.87E-03	0.00E+00	8.87E-03	1.55E-03
10291	500354	3733475	8.92E-03	0.00E+00	8.92E-03	1.55E-03
10292	500354	3733466	8.98E-03	0.00E+00	8.98E-03	1.56E-03
10293	500354	3733456	9.04E-03	0.00E+00	9.04E-03	1.58E-03
10294	500354	3733446	9.11E-03	0.00E+00	9.11E-03	1.59E-03
10295	500354.1	3733417	9.34E-03	0.00E+00	9.34E-03	1.63E-03
10296	500354.1	3733407	9.42E-03	0.00E+00	9.42E-03	1.64E-03
10297	500354.1	3733398	9.51E-03	0.00E+00	9.51E-03	1.66E-03
10298	500354.1	3733388	9.60E-03	0.00E+00	9.60E-03	1.67E-03
10299	500354.1	3733378	9.69E-03	0.00E+00	9.69E-03	1.69E-03
10300	500354.1	3733369	9.78E-03	0.00E+00	9.78E-03	1.70E-03
10301	500354.1	3733339	1.01E-02	0.00E+00	1.01E-02	1.75E-03
10302	500354.1	3733330	1.02E-02	0.00E+00	1.02E-02	1.77E-03
10303	500354.2	3733320	1.02E-02	0.00E+00	1.02E-02	1.79E-03
10304	500354.2	3733310	1.03E-02	0.00E+00	1.03E-02	1.80E-03
10305	500354.2	3733300	1.04E-02	0.00E+00	1.04E-02	1.82E-03
10306	500354.2	3733291	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10307	500354.2	3733281	1.06E-02	0.00E+00	1.06E-02	1.85E-03
10308	500354.2	3733252	1.09E-02	0.00E+00	1.09E-02	1.89E-03
10309	500354.2	3733242	1.09E-02	0.00E+00	1.09E-02	1.91E-03
10310	500354.2	3733232	1.10E-02	0.00E+00	1.10E-02	1.92E-03
10311	500354.3	3733223	1.11E-02	0.00E+00	1.11E-02	1.93E-03
10312	500370.4	3733552	7.79E-03	0.00E+00	7.79E-03	1.36E-03
10313	500366.9	3733561	7.93E-03	0.00E+00	7.93E-03	1.38E-03
10314	500363.3	3733569	8.06E-03	0.00E+00	8.06E-03	1.40E-03
10315	500359.8	3733578	8.19E-03	0.00E+00	8.19E-03	1.43E-03
10316	500356.3	3733586	8.32E-03	0.00E+00	8.32E-03	1.45E-03
10317	500342.2	3733620	8.82E-03	0.00E+00	8.82E-03	1.54E-03
10318	500338.7	3733628	8.93E-03	0.00E+00	8.93E-03	1.56E-03
10319	500335.1	3733637	9.04E-03	0.00E+00	9.04E-03	1.57E-03
10320	500312.5	3733674	9.77E-03	0.00E+00	9.77E-03	1.70E-03
10321	500304	3733678	1.02E-02	0.00E+00	1.02E-02	1.77E-03
10322	500295.5	3733681	1.06E-02	0.00E+00	1.06E-02	1.84E-03
10323	500287	3733685	1.10E-02	0.00E+00	1.10E-02	1.91E-03
10324	500278.5	3733688	1.14E-02	0.00E+00	1.14E-02	1.98E-03
10325	500270	3733692	1.18E-02	0.00E+00	1.18E-02	2.06E-03
10326	500261.5	3733695	1.22E-02	0.00E+00	1.22E-02	2.13E-03
10327	500253	3733699	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10328	500244.5	3733702	1.31E-02	0.00E+00	1.31E-02	2.28E-03
10329	500236.1	3733706	1.35E-02	0.00E+00	1.35E-02	2.35E-03
10330	500227.6	3733709	1.39E-02	0.00E+00	1.39E-02	2.43E-03
10331	500373.9	3733544	7.66E-03	0.00E+00	7.66E-03	1.34E-03
10332	500373.9	3733534	7.69E-03	0.00E+00	7.69E-03	1.34E-03
10333	500373.9	3733524	7.71E-03	0.00E+00	7.71E-03	1.34E-03

10334	500374	3733505	7.77E-03	0.00E+00	7.77E-03	1.35E-03
10335	500374	3733495	7.80E-03	0.00E+00	7.80E-03	1.36E-03
10336	500374	3733485	7.83E-03	0.00E+00	7.83E-03	1.36E-03
10337	500374	3733476	7.87E-03	0.00E+00	7.87E-03	1.37E-03
10338	500374	3733466	7.91E-03	0.00E+00	7.91E-03	1.38E-03
10339	500374	3733456	7.95E-03	0.00E+00	7.95E-03	1.39E-03
10340	500374.1	3733417	8.17E-03	0.00E+00	8.17E-03	1.42E-03
10341	500374.1	3733407	8.23E-03	0.00E+00	8.23E-03	1.43E-03
10342	500374.1	3733398	8.29E-03	0.00E+00	8.29E-03	1.45E-03
10343	500374.1	3733388	8.36E-03	0.00E+00	8.36E-03	1.46E-03
10344	500374.1	3733378	8.44E-03	0.00E+00	8.44E-03	1.47E-03
10345	500374.1	3733369	8.51E-03	0.00E+00	8.51E-03	1.48E-03
10346	500374.1	3733330	8.83E-03	0.00E+00	8.83E-03	1.54E-03
10347	500374.2	3733320	8.90E-03	0.00E+00	8.90E-03	1.55E-03
10348	500374.2	3733310	8.98E-03	0.00E+00	8.98E-03	1.56E-03
10349	500374.2	3733300	9.06E-03	0.00E+00	9.06E-03	1.58E-03
10350	500374.2	3733291	9.14E-03	0.00E+00	9.14E-03	1.59E-03
10351	500374.2	3733252	9.47E-03	0.00E+00	9.47E-03	1.65E-03
10352	500374.2	3733242	9.55E-03	0.00E+00	9.55E-03	1.66E-03
10353	500374.2	3733232	9.63E-03	0.00E+00	9.63E-03	1.68E-03
10354	500390.3	3733552	6.99E-03	0.00E+00	6.99E-03	1.22E-03
10355	500386.6	3733561	7.12E-03	0.00E+00	7.12E-03	1.24E-03
10356	500382.9	3733570	7.24E-03	0.00E+00	7.24E-03	1.26E-03
10357	500379.2	3733579	7.36E-03	0.00E+00	7.36E-03	1.28E-03
10358	500375.6	3733588	7.48E-03	0.00E+00	7.48E-03	1.30E-03
10359	500360.9	3733623	7.95E-03	0.00E+00	7.95E-03	1.39E-03
10360	500357.2	3733632	8.06E-03	0.00E+00	8.06E-03	1.41E-03
10361	500353.5	3733641	8.17E-03	0.00E+00	8.17E-03	1.42E-03
10362	500308.6	3733696	9.67E-03	0.00E+00	9.67E-03	1.68E-03
10363	500299.7	3733700	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10364	500290.9	3733703	1.04E-02	0.00E+00	1.04E-02	1.81E-03
10365	500282	3733707	1.08E-02	0.00E+00	1.08E-02	1.88E-03
10366	500273.2	3733711	1.12E-02	0.00E+00	1.12E-02	1.95E-03
10367	500264.3	3733714	1.16E-02	0.00E+00	1.16E-02	2.02E-03
10368	500255.5	3733718	1.20E-02	0.00E+00	1.20E-02	2.09E-03
10369	500246.6	3733722	1.24E-02	0.00E+00	1.24E-02	2.15E-03
10370	500237.8	3733725	1.27E-02	0.00E+00	1.27E-02	2.22E-03
10371	500228.9	3733729	1.31E-02	0.00E+00	1.31E-02	2.29E-03
10372	500220.1	3733732	1.35E-02	0.00E+00	1.35E-02	2.35E-03
10373	500393.9	3733544	6.87E-03	0.00E+00	6.87E-03	1.20E-03
10374	500393.9	3733534	6.89E-03	0.00E+00	6.89E-03	1.20E-03
10375	500393.9	3733524	6.90E-03	0.00E+00	6.90E-03	1.20E-03
10376	500394	3733514	6.92E-03	0.00E+00	6.92E-03	1.21E-03
10377	500394	3733505	6.94E-03	0.00E+00	6.94E-03	1.21E-03
10378	500394	3733495	6.96E-03	0.00E+00	6.96E-03	1.21E-03
10379	500394	3733485	6.98E-03	0.00E+00	6.98E-03	1.22E-03
10380	500394	3733476	7.00E-03	0.00E+00	7.00E-03	1.22E-03

10381	500394	3733466	7.03E-03	0.00E+00	7.03E-03	1.22E-03
10382	500394	3733456	7.06E-03	0.00E+00	7.06E-03	1.23E-03
10383	500394	3733446	7.09E-03	0.00E+00	7.09E-03	1.24E-03
10384	500394	3733437	7.13E-03	0.00E+00	7.13E-03	1.24E-03
10385	500394	3733427	7.17E-03	0.00E+00	7.17E-03	1.25E-03
10386	500394.1	3733417	7.22E-03	0.00E+00	7.22E-03	1.26E-03
10387	500394.1	3733407	7.26E-03	0.00E+00	7.26E-03	1.27E-03
10388	500394.1	3733398	7.31E-03	0.00E+00	7.31E-03	1.27E-03
10389	500394.1	3733388	7.37E-03	0.00E+00	7.37E-03	1.28E-03
10390	500394.1	3733378	7.42E-03	0.00E+00	7.42E-03	1.29E-03
10391	500394.1	3733369	7.48E-03	0.00E+00	7.48E-03	1.30E-03
10392	500394.1	3733359	7.55E-03	0.00E+00	7.55E-03	1.32E-03
10393	500394.1	3733349	7.61E-03	0.00E+00	7.61E-03	1.33E-03
10394	500394.1	3733339	7.68E-03	0.00E+00	7.68E-03	1.34E-03
10395	500394.1	3733330	7.75E-03	0.00E+00	7.75E-03	1.35E-03
10396	500394.2	3733320	7.81E-03	0.00E+00	7.81E-03	1.36E-03
10397	500394.2	3733310	7.88E-03	0.00E+00	7.88E-03	1.37E-03
10398	500394.2	3733300	7.95E-03	0.00E+00	7.95E-03	1.39E-03
10399	500394.2	3733291	8.03E-03	0.00E+00	8.03E-03	1.40E-03
10400	500394.2	3733281	8.10E-03	0.00E+00	8.10E-03	1.41E-03
10401	500394.2	3733271	8.18E-03	0.00E+00	8.18E-03	1.43E-03
10402	500394.2	3733262	8.26E-03	0.00E+00	8.26E-03	1.44E-03
10403	500394.2	3733252	8.33E-03	0.00E+00	8.33E-03	1.45E-03
10404	500394.2	3733242	8.41E-03	0.00E+00	8.41E-03	1.47E-03
10405	500420.4	3733552	6.00E-03	0.00E+00	6.00E-03	1.04E-03
10406	500416.8	3733561	6.10E-03	0.00E+00	6.10E-03	1.06E-03
10407	500413.2	3733569	6.20E-03	0.00E+00	6.20E-03	1.08E-03
10408	500409.7	3733578	6.30E-03	0.00E+00	6.30E-03	1.10E-03
10409	500406.1	3733586	6.40E-03	0.00E+00	6.40E-03	1.11E-03
10410	500402.6	3733595	6.50E-03	0.00E+00	6.50E-03	1.13E-03
10411	500399	3733604	6.60E-03	0.00E+00	6.60E-03	1.15E-03
10412	500395.5	3733612	6.70E-03	0.00E+00	6.70E-03	1.17E-03
10413	500391.9	3733621	6.80E-03	0.00E+00	6.80E-03	1.19E-03
10414	500388.3	3733629	6.90E-03	0.00E+00	6.90E-03	1.20E-03
10415	500384.8	3733638	6.99E-03	0.00E+00	6.99E-03	1.22E-03
10416	500313.5	3733724	9.06E-03	0.00E+00	9.06E-03	1.58E-03
10417	500304.9	3733727	9.37E-03	0.00E+00	9.37E-03	1.63E-03
10418	500296.3	3733731	9.68E-03	0.00E+00	9.68E-03	1.69E-03
10419	500423.9	3733544	5.90E-03	0.00E+00	5.90E-03	1.03E-03
10420	500423.9	3733534	5.90E-03	0.00E+00	5.90E-03	1.03E-03
10421	500423.9	3733524	5.91E-03	0.00E+00	5.91E-03	1.03E-03
10422	500424	3733514	5.92E-03	0.00E+00	5.92E-03	1.03E-03
10423	500424	3733505	5.92E-03	0.00E+00	5.92E-03	1.03E-03
10424	500424	3733495	5.93E-03	0.00E+00	5.93E-03	1.03E-03
10425	500424	3733485	5.94E-03	0.00E+00	5.94E-03	1.04E-03
10426	500424	3733476	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10427	500424	3733466	5.97E-03	0.00E+00	5.97E-03	1.04E-03

10428	500424	3733456	5.99E-03	0.00E+00	5.99E-03	1.04E-03
10429	500424	3733446	6.01E-03	0.00E+00	6.01E-03	1.05E-03
10430	500424	3733437	6.03E-03	0.00E+00	6.03E-03	1.05E-03
10431	500424	3733427	6.06E-03	0.00E+00	6.06E-03	1.06E-03
10432	500424.1	3733417	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10433	500424.1	3733407	6.12E-03	0.00E+00	6.12E-03	1.07E-03
10434	500424.1	3733398	6.16E-03	0.00E+00	6.16E-03	1.07E-03
10435	500424.1	3733388	6.19E-03	0.00E+00	6.19E-03	1.08E-03
10436	500424.1	3733378	6.23E-03	0.00E+00	6.23E-03	1.09E-03
10437	500424.1	3733369	6.28E-03	0.00E+00	6.28E-03	1.09E-03
10438	500424.1	3733359	6.32E-03	0.00E+00	6.32E-03	1.10E-03
10439	500424.1	3733349	6.37E-03	0.00E+00	6.37E-03	1.11E-03
10440	500424.1	3733339	6.43E-03	0.00E+00	6.43E-03	1.12E-03
10441	500424.1	3733330	6.48E-03	0.00E+00	6.48E-03	1.13E-03
10442	500424.2	3733320	6.53E-03	0.00E+00	6.53E-03	1.14E-03
10443	500424.2	3733310	6.59E-03	0.00E+00	6.59E-03	1.15E-03
10444	500424.2	3733301	6.65E-03	0.00E+00	6.65E-03	1.16E-03
10445	500424.2	3733291	6.71E-03	0.00E+00	6.71E-03	1.17E-03
10446	500424.2	3733281	6.78E-03	0.00E+00	6.78E-03	1.18E-03
10447	500424.2	3733271	6.84E-03	0.00E+00	6.84E-03	1.19E-03
10448	500424.2	3733262	6.91E-03	0.00E+00	6.91E-03	1.20E-03
10449	500424.2	3733252	6.98E-03	0.00E+00	6.98E-03	1.22E-03
10450	500424.2	3733242	7.05E-03	0.00E+00	7.05E-03	1.23E-03
10451	500424.2	3733232	7.12E-03	0.00E+00	7.12E-03	1.24E-03
10452	500424.3	3733223	7.19E-03	0.00E+00	7.19E-03	1.25E-03
10453	500424.3	3733213	7.26E-03	0.00E+00	7.26E-03	1.26E-03
10454	500450.3	3733552	5.20E-03	0.00E+00	5.20E-03	9.06E-04
10455	500446.6	3733561	5.29E-03	0.00E+00	5.29E-03	9.21E-04
10456	500443	3733570	5.37E-03	0.00E+00	5.37E-03	9.36E-04
10457	500439.4	3733579	5.46E-03	0.00E+00	5.46E-03	9.52E-04
10458	500435.7	3733587	5.55E-03	0.00E+00	5.55E-03	9.67E-04
10459	500432.1	3733596	5.64E-03	0.00E+00	5.64E-03	9.83E-04
10460	500428.4	3733605	5.73E-03	0.00E+00	5.73E-03	9.99E-04
10461	500424.8	3733614	5.82E-03	0.00E+00	5.82E-03	1.01E-03
10462	500421.2	3733622	5.91E-03	0.00E+00	5.91E-03	1.03E-03
10463	500417.5	3733631	6.00E-03	0.00E+00	6.00E-03	1.05E-03
10464	500413.9	3733640	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10465	500272.3	3733771	9.94E-03	0.00E+00	9.94E-03	1.73E-03
10466	500263.5	3733774	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10467	500254.8	3733778	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10468	500246	3733782	1.07E-02	0.00E+00	1.07E-02	1.87E-03
10469	500237.2	3733785	1.10E-02	0.00E+00	1.10E-02	1.92E-03
10470	500228.5	3733789	1.13E-02	0.00E+00	1.13E-02	1.96E-03
10471	500453.9	3733544	5.11E-03	0.00E+00	5.11E-03	8.91E-04
10472	500453.9	3733534	5.11E-03	0.00E+00	5.11E-03	8.91E-04
10473	500453.9	3733524	5.12E-03	0.00E+00	5.12E-03	8.91E-04
10474	500454	3733514	5.12E-03	0.00E+00	5.12E-03	8.92E-04

10475	500454	3733505	5.12E-03	0.00E+00	5.12E-03	8.92E-04
10476	500454	3733495	5.13E-03	0.00E+00	5.13E-03	8.93E-04
10477	500454	3733485	5.13E-03	0.00E+00	5.13E-03	8.94E-04
10478	500454	3733476	5.14E-03	0.00E+00	5.14E-03	8.95E-04
10479	500454	3733466	5.15E-03	0.00E+00	5.15E-03	8.97E-04
10480	500454	3733456	5.16E-03	0.00E+00	5.16E-03	8.98E-04
10481	500454	3733446	5.17E-03	0.00E+00	5.17E-03	9.01E-04
10482	500454	3733437	5.18E-03	0.00E+00	5.18E-03	9.03E-04
10483	500454	3733427	5.20E-03	0.00E+00	5.20E-03	9.06E-04
10484	500454.1	3733417	5.22E-03	0.00E+00	5.22E-03	9.10E-04
10485	500454.1	3733408	5.24E-03	0.00E+00	5.24E-03	9.13E-04
10486	500454.1	3733398	5.27E-03	0.00E+00	5.27E-03	9.18E-04
10487	500454.1	3733388	5.29E-03	0.00E+00	5.29E-03	9.22E-04
10488	500454.1	3733378	5.32E-03	0.00E+00	5.32E-03	9.28E-04
10489	500454.1	3733369	5.36E-03	0.00E+00	5.36E-03	9.33E-04
10490	500454.1	3733359	5.39E-03	0.00E+00	5.39E-03	9.39E-04
10491	500454.1	3733349	5.43E-03	0.00E+00	5.43E-03	9.46E-04
10492	500454.1	3733339	5.47E-03	0.00E+00	5.47E-03	9.53E-04
10493	500454.1	3733330	5.51E-03	0.00E+00	5.51E-03	9.60E-04
10494	500454.2	3733320	5.56E-03	0.00E+00	5.56E-03	9.68E-04
10495	500454.2	3733310	5.60E-03	0.00E+00	5.60E-03	9.76E-04
10496	500454.2	3733301	5.65E-03	0.00E+00	5.65E-03	9.85E-04
10497	500454.2	3733291	5.70E-03	0.00E+00	5.70E-03	9.94E-04
10498	500454.2	3733281	5.76E-03	0.00E+00	5.76E-03	1.00E-03
10499	500454.2	3733271	5.82E-03	0.00E+00	5.82E-03	1.01E-03
10500	500454.2	3733262	5.87E-03	0.00E+00	5.87E-03	1.02E-03
10501	500454.2	3733252	5.93E-03	0.00E+00	5.93E-03	1.03E-03
10502	500454.2	3733242	5.99E-03	0.00E+00	5.99E-03	1.04E-03
10503	500454.2	3733232	6.05E-03	0.00E+00	6.05E-03	1.05E-03
10504	500480.2	3733553	4.55E-03	0.00E+00	4.55E-03	7.93E-04
10505	500476.5	3733562	4.63E-03	0.00E+00	4.63E-03	8.06E-04
10506	500472.8	3733570	4.70E-03	0.00E+00	4.70E-03	8.19E-04
10507	500469.1	3733579	4.78E-03	0.00E+00	4.78E-03	8.33E-04
10508	500465.4	3733588	4.86E-03	0.00E+00	4.86E-03	8.46E-04
10509	500461.7	3733597	4.94E-03	0.00E+00	4.94E-03	8.60E-04
10510	500458	3733606	5.02E-03	0.00E+00	5.02E-03	8.74E-04
10511	500454.3	3733615	5.10E-03	0.00E+00	5.10E-03	8.88E-04
10512	500450.6	3733624	5.18E-03	0.00E+00	5.18E-03	9.02E-04
10513	500446.9	3733633	5.26E-03	0.00E+00	5.26E-03	9.16E-04
10514	500443.2	3733642	5.33E-03	0.00E+00	5.33E-03	9.29E-04
10515	500439.4	3733651	5.41E-03	0.00E+00	5.41E-03	9.43E-04
10516	500435.7	3733660	5.49E-03	0.00E+00	5.49E-03	9.56E-04
10517	500432	3733669	5.56E-03	0.00E+00	5.56E-03	9.69E-04
10518	500428.3	3733677	5.64E-03	0.00E+00	5.64E-03	9.82E-04
10519	500424.6	3733686	5.71E-03	0.00E+00	5.71E-03	9.95E-04
10520	500345.1	3733771	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10521	500336.2	3733775	7.67E-03	0.00E+00	7.67E-03	1.34E-03

10522	500327.3	3733778	7.90E-03	0.00E+00	7.90E-03	1.38E-03
10523	500318.3	3733782	8.14E-03	0.00E+00	8.14E-03	1.42E-03
10524	500309.4	3733786	8.37E-03	0.00E+00	8.37E-03	1.46E-03
10525	500300.5	3733789	8.61E-03	0.00E+00	8.61E-03	1.50E-03
10526	500291.6	3733793	8.85E-03	0.00E+00	8.85E-03	1.54E-03
10527	500282.6	3733797	9.09E-03	0.00E+00	9.09E-03	1.58E-03
10528	500273.7	3733800	9.32E-03	0.00E+00	9.32E-03	1.62E-03
10529	500264.8	3733804	9.56E-03	0.00E+00	9.56E-03	1.67E-03
10530	500255.8	3733808	9.79E-03	0.00E+00	9.79E-03	1.71E-03
10531	500246.9	3733811	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10532	500238	3733815	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10533	500229.1	3733819	1.05E-02	0.00E+00	1.05E-02	1.82E-03
10534	500483.9	3733544	4.48E-03	0.00E+00	4.48E-03	7.80E-04
10535	500483.9	3733534	4.47E-03	0.00E+00	4.47E-03	7.80E-04
10536	500483.9	3733524	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10537	500484	3733515	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10538	500484	3733505	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10539	500484	3733495	4.47E-03	0.00E+00	4.47E-03	7.80E-04
10540	500484	3733485	4.48E-03	0.00E+00	4.48E-03	7.80E-04
10541	500484	3733476	4.48E-03	0.00E+00	4.48E-03	7.81E-04
10542	500484	3733466	4.48E-03	0.00E+00	4.48E-03	7.81E-04
10543	500484	3733456	4.49E-03	0.00E+00	4.49E-03	7.82E-04
10544	500484	3733446	4.50E-03	0.00E+00	4.50E-03	7.84E-04
10545	500484	3733437	4.51E-03	0.00E+00	4.51E-03	7.85E-04
10546	500484	3733427	4.52E-03	0.00E+00	4.52E-03	7.87E-04
10547	500484.1	3733417	4.53E-03	0.00E+00	4.53E-03	7.90E-04
10548	500484.1	3733408	4.55E-03	0.00E+00	4.55E-03	7.93E-04
10549	500484.1	3733398	4.57E-03	0.00E+00	4.57E-03	7.96E-04
10550	500484.1	3733388	4.59E-03	0.00E+00	4.59E-03	7.99E-04
10551	500484.1	3733378	4.61E-03	0.00E+00	4.61E-03	8.03E-04
10552	500484.1	3733369	4.64E-03	0.00E+00	4.64E-03	8.08E-04
10553	500484.1	3733359	4.66E-03	0.00E+00	4.66E-03	8.12E-04
10554	500484.1	3733349	4.69E-03	0.00E+00	4.69E-03	8.17E-04
10555	500484.1	3733339	4.72E-03	0.00E+00	4.72E-03	8.23E-04
10556	500484.1	3733330	4.76E-03	0.00E+00	4.76E-03	8.29E-04
10557	500484.2	3733320	4.79E-03	0.00E+00	4.79E-03	8.35E-04
10558	500484.2	3733310	4.83E-03	0.00E+00	4.83E-03	8.42E-04
10559	500484.2	3733301	4.87E-03	0.00E+00	4.87E-03	8.49E-04
10560	500484.2	3733291	4.92E-03	0.00E+00	4.92E-03	8.57E-04
10561	500484.2	3733281	4.96E-03	0.00E+00	4.96E-03	8.65E-04
10562	500484.2	3733271	5.01E-03	0.00E+00	5.01E-03	8.73E-04
10563	500484.2	3733262	5.06E-03	0.00E+00	5.06E-03	8.82E-04
10564	500484.2	3733252	5.11E-03	0.00E+00	5.11E-03	8.90E-04
10565	500484.2	3733242	5.16E-03	0.00E+00	5.16E-03	8.99E-04
10566	500510.3	3733552	4.02E-03	0.00E+00	4.02E-03	7.00E-04
10567	500506.7	3733561	4.08E-03	0.00E+00	4.08E-03	7.11E-04
10568	500503.1	3733570	4.14E-03	0.00E+00	4.14E-03	7.22E-04

10569	500499.5	3733579	4.21E-03	0.00E+00	4.21E-03	7.33E-04
10570	500495.8	3733587	4.27E-03	0.00E+00	4.27E-03	7.44E-04
10571	500492.2	3733596	4.34E-03	0.00E+00	4.34E-03	7.56E-04
10572	500488.6	3733605	4.41E-03	0.00E+00	4.41E-03	7.68E-04
10573	500485	3733613	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10574	500481.4	3733622	4.54E-03	0.00E+00	4.54E-03	7.91E-04
10575	500477.7	3733631	4.61E-03	0.00E+00	4.61E-03	8.03E-04
10576	500474.1	3733639	4.68E-03	0.00E+00	4.68E-03	8.15E-04
10577	500470.5	3733648	4.74E-03	0.00E+00	4.74E-03	8.27E-04
10578	500466.9	3733657	4.81E-03	0.00E+00	4.81E-03	8.38E-04
10579	500463.3	3733666	4.88E-03	0.00E+00	4.88E-03	8.50E-04
10580	500459.7	3733674	4.94E-03	0.00E+00	4.94E-03	8.61E-04
10581	500456	3733683	5.01E-03	0.00E+00	5.01E-03	8.73E-04
10582	500452.4	3733692	5.07E-03	0.00E+00	5.07E-03	8.84E-04
10583	500448.8	3733700	5.13E-03	0.00E+00	5.13E-03	8.94E-04
10584	500445.2	3733709	5.19E-03	0.00E+00	5.19E-03	9.05E-04
10585	500441.6	3733718	5.25E-03	0.00E+00	5.25E-03	9.15E-04
10586	500437.9	3733727	5.31E-03	0.00E+00	5.31E-03	9.25E-04
10587	500411.1	3733774	5.73E-03	0.00E+00	5.73E-03	9.98E-04
10588	500402.4	3733777	5.91E-03	0.00E+00	5.91E-03	1.03E-03
10589	500393.7	3733781	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10590	500385	3733784	6.27E-03	0.00E+00	6.27E-03	1.09E-03
10591	500376.3	3733788	6.46E-03	0.00E+00	6.46E-03	1.13E-03
10592	500367.6	3733792	6.65E-03	0.00E+00	6.65E-03	1.16E-03
10593	500358.9	3733795	6.84E-03	0.00E+00	6.84E-03	1.19E-03
10594	500350.1	3733799	7.04E-03	0.00E+00	7.04E-03	1.23E-03
10595	500341.4	3733802	7.24E-03	0.00E+00	7.24E-03	1.26E-03
10596	500332.7	3733806	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10597	500324	3733810	7.64E-03	0.00E+00	7.64E-03	1.33E-03
10598	500315.3	3733813	7.84E-03	0.00E+00	7.84E-03	1.37E-03
10599	500306.6	3733817	8.04E-03	0.00E+00	8.04E-03	1.40E-03
10600	500297.9	3733820	8.24E-03	0.00E+00	8.24E-03	1.44E-03
10601	500289.1	3733824	8.44E-03	0.00E+00	8.44E-03	1.47E-03
10602	500280.4	3733827	8.64E-03	0.00E+00	8.64E-03	1.51E-03
10603	500271.7	3733831	8.84E-03	0.00E+00	8.84E-03	1.54E-03
10604	500263	3733835	9.03E-03	0.00E+00	9.03E-03	1.57E-03
10605	500254.3	3733838	9.22E-03	0.00E+00	9.22E-03	1.61E-03
10606	500245.6	3733842	9.41E-03	0.00E+00	9.41E-03	1.64E-03
10607	500236.9	3733845	9.59E-03	0.00E+00	9.59E-03	1.67E-03
10608	500228.1	3733849	9.77E-03	0.00E+00	9.77E-03	1.70E-03
10609	500219.4	3733853	9.94E-03	0.00E+00	9.94E-03	1.73E-03
10610	500513.9	3733544	3.96E-03	0.00E+00	3.96E-03	6.89E-04
10611	500513.9	3733534	3.95E-03	0.00E+00	3.95E-03	6.89E-04
10612	500513.9	3733524	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10613	500514	3733515	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10614	500514	3733505	3.94E-03	0.00E+00	3.94E-03	6.87E-04
10615	500514	3733495	3.94E-03	0.00E+00	3.94E-03	6.87E-04

10616	500514	3733485	3.94E-03	0.00E+00	3.94E-03	6.87E-04
10617	500514	3733476	3.95E-03	0.00E+00	3.95E-03	6.87E-04
10618	500514	3733466	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10619	500514	3733456	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10620	500514	3733446	3.96E-03	0.00E+00	3.96E-03	6.89E-04
10621	500514	3733437	3.96E-03	0.00E+00	3.96E-03	6.90E-04
10622	500514	3733427	3.97E-03	0.00E+00	3.97E-03	6.92E-04
10623	500514.1	3733417	3.98E-03	0.00E+00	3.98E-03	6.94E-04
10624	500514.1	3733408	3.99E-03	0.00E+00	3.99E-03	6.96E-04
10625	500514.1	3733398	4.01E-03	0.00E+00	4.01E-03	6.98E-04
10626	500514.1	3733388	4.02E-03	0.00E+00	4.02E-03	7.01E-04
10627	500514.1	3733378	4.04E-03	0.00E+00	4.04E-03	7.04E-04
10628	500514.1	3733369	4.06E-03	0.00E+00	4.06E-03	7.07E-04
10629	500514.1	3733359	4.08E-03	0.00E+00	4.08E-03	7.11E-04
10630	500514.1	3733349	4.11E-03	0.00E+00	4.11E-03	7.15E-04
10631	500514.1	3733340	4.13E-03	0.00E+00	4.13E-03	7.20E-04
10632	500514.1	3733330	4.16E-03	0.00E+00	4.16E-03	7.25E-04
10633	500514.2	3733320	4.19E-03	0.00E+00	4.19E-03	7.30E-04
10634	500514.2	3733310	4.22E-03	0.00E+00	4.22E-03	7.36E-04
10635	500514.2	3733301	4.26E-03	0.00E+00	4.26E-03	7.41E-04
10636	500514.2	3733291	4.29E-03	0.00E+00	4.29E-03	7.48E-04
10637	500514.2	3733281	4.33E-03	0.00E+00	4.33E-03	7.54E-04
10638	500514.2	3733271	4.37E-03	0.00E+00	4.37E-03	7.61E-04
10639	500514.2	3733262	4.41E-03	0.00E+00	4.41E-03	7.68E-04
10640	500514.2	3733252	4.45E-03	0.00E+00	4.45E-03	7.76E-04
10641	500514.3	3733213	4.64E-03	0.00E+00	4.64E-03	8.08E-04
10642	500514.3	3733203	4.69E-03	0.00E+00	4.69E-03	8.17E-04
10643	500540.3	3733553	3.58E-03	0.00E+00	3.58E-03	6.23E-04
10644	500536.6	3733561	3.63E-03	0.00E+00	3.63E-03	6.32E-04
10645	500532.9	3733570	3.68E-03	0.00E+00	3.68E-03	6.42E-04
10646	500529.2	3733579	3.74E-03	0.00E+00	3.74E-03	6.52E-04
10647	500525.6	3733588	3.80E-03	0.00E+00	3.80E-03	6.62E-04
10648	500521.9	3733597	3.86E-03	0.00E+00	3.86E-03	6.72E-04
10649	500518.2	3733606	3.91E-03	0.00E+00	3.91E-03	6.82E-04
10650	500514.5	3733614	3.97E-03	0.00E+00	3.97E-03	6.92E-04
10651	500510.9	3733623	4.03E-03	0.00E+00	4.03E-03	7.03E-04
10652	500507.2	3733632	4.09E-03	0.00E+00	4.09E-03	7.13E-04
10653	500503.5	3733641	4.15E-03	0.00E+00	4.15E-03	7.24E-04
10654	500499.8	3733650	4.21E-03	0.00E+00	4.21E-03	7.34E-04
10655	500496.2	3733659	4.28E-03	0.00E+00	4.28E-03	7.45E-04
10656	500492.5	3733668	4.34E-03	0.00E+00	4.34E-03	7.56E-04
10657	500488.8	3733676	4.40E-03	0.00E+00	4.40E-03	7.66E-04
10658	500485.1	3733685	4.46E-03	0.00E+00	4.46E-03	7.77E-04
10659	500481.5	3733694	4.52E-03	0.00E+00	4.52E-03	7.87E-04
10660	500477.8	3733703	4.57E-03	0.00E+00	4.57E-03	7.97E-04
10661	500474.1	3733712	4.63E-03	0.00E+00	4.63E-03	8.07E-04
10662	500470.4	3733721	4.69E-03	0.00E+00	4.69E-03	8.16E-04

10663	500448.4	3733774	4.98E-03	0.00E+00	4.98E-03	8.69E-04
10664	500444.7	3733782	5.03E-03	0.00E+00	5.03E-03	8.76E-04
10665	500432.2	3733795	5.22E-03	0.00E+00	5.22E-03	9.10E-04
10666	500423.3	3733799	5.38E-03	0.00E+00	5.38E-03	9.37E-04
10667	500414.5	3733802	5.54E-03	0.00E+00	5.54E-03	9.64E-04
10668	500405.6	3733806	5.70E-03	0.00E+00	5.70E-03	9.93E-04
10669	500396.8	3733810	5.86E-03	0.00E+00	5.86E-03	1.02E-03
10670	500387.9	3733813	6.03E-03	0.00E+00	6.03E-03	1.05E-03
10671	500379.1	3733817	6.20E-03	0.00E+00	6.20E-03	1.08E-03
10672	500370.2	3733820	6.37E-03	0.00E+00	6.37E-03	1.11E-03
10673	500361.4	3733824	6.55E-03	0.00E+00	6.55E-03	1.14E-03
10674	500352.5	3733828	6.73E-03	0.00E+00	6.73E-03	1.17E-03
10675	500343.7	3733831	6.90E-03	0.00E+00	6.90E-03	1.20E-03
10676	500334.8	3733835	7.08E-03	0.00E+00	7.08E-03	1.23E-03
10677	500326	3733839	7.26E-03	0.00E+00	7.26E-03	1.27E-03
10678	500317.1	3733842	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10679	500308.3	3733846	7.62E-03	0.00E+00	7.62E-03	1.33E-03
10680	500299.4	3733850	7.79E-03	0.00E+00	7.79E-03	1.36E-03
10681	500290.6	3733853	7.97E-03	0.00E+00	7.97E-03	1.39E-03
10682	500281.7	3733857	8.14E-03	0.00E+00	8.14E-03	1.42E-03
10683	500272.9	3733861	8.32E-03	0.00E+00	8.32E-03	1.45E-03
10684	500264	3733864	8.48E-03	0.00E+00	8.48E-03	1.48E-03
10685	500255.2	3733868	8.65E-03	0.00E+00	8.65E-03	1.51E-03
10686	500246.3	3733872	8.81E-03	0.00E+00	8.81E-03	1.54E-03
10687	500237.5	3733875	8.97E-03	0.00E+00	8.97E-03	1.56E-03
10688	500228.6	3733879	9.12E-03	0.00E+00	9.12E-03	1.59E-03
10689	500219.8	3733882	9.27E-03	0.00E+00	9.27E-03	1.62E-03
10690	500543.9	3733544	3.52E-03	0.00E+00	3.52E-03	6.14E-04
10691	500543.9	3733534	3.52E-03	0.00E+00	3.52E-03	6.13E-04
10692	500543.9	3733524	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10693	500544	3733515	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10694	500544	3733505	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10695	500544	3733495	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10696	500544	3733485	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10697	500544	3733476	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10698	500544	3733466	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10699	500544	3733456	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10700	500544	3733447	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10701	500544	3733437	3.52E-03	0.00E+00	3.52E-03	6.13E-04
10702	500544	3733427	3.52E-03	0.00E+00	3.52E-03	6.14E-04
10703	500544.1	3733417	3.53E-03	0.00E+00	3.53E-03	6.15E-04
10704	500544.1	3733408	3.54E-03	0.00E+00	3.54E-03	6.17E-04
10705	500544.1	3733398	3.55E-03	0.00E+00	3.55E-03	6.19E-04
10706	500544.1	3733388	3.56E-03	0.00E+00	3.56E-03	6.21E-04
10707	500544.1	3733378	3.58E-03	0.00E+00	3.58E-03	6.23E-04
10708	500544.1	3733369	3.59E-03	0.00E+00	3.59E-03	6.26E-04
10709	500544.1	3733359	3.61E-03	0.00E+00	3.61E-03	6.29E-04

10710	500544.1	3733349	3.63E-03	0.00E+00	3.63E-03	6.33E-04
10711	500544.1	3733340	3.65E-03	0.00E+00	3.65E-03	6.36E-04
10712	500544.1	3733330	3.68E-03	0.00E+00	3.68E-03	6.40E-04
10713	500544.2	3733320	3.70E-03	0.00E+00	3.70E-03	6.45E-04
10714	500544.2	3733310	3.73E-03	0.00E+00	3.73E-03	6.49E-04
10715	500544.2	3733301	3.75E-03	0.00E+00	3.75E-03	6.54E-04
10716	500544.2	3733291	3.78E-03	0.00E+00	3.78E-03	6.59E-04
10717	500544.2	3733281	3.82E-03	0.00E+00	3.82E-03	6.65E-04
10718	500544.2	3733271	3.85E-03	0.00E+00	3.85E-03	6.71E-04
10719	500544.3	3733223	4.04E-03	0.00E+00	4.04E-03	7.04E-04
10720	500544.3	3733213	4.08E-03	0.00E+00	4.08E-03	7.11E-04
10721	500544.3	3733203	4.12E-03	0.00E+00	4.12E-03	7.18E-04
10722	500570.2	3733553	3.20E-03	0.00E+00	3.20E-03	5.58E-04
10723	500566.5	3733562	3.25E-03	0.00E+00	3.25E-03	5.66E-04
10724	500562.8	3733571	3.30E-03	0.00E+00	3.30E-03	5.75E-04
10725	500559	3733580	3.35E-03	0.00E+00	3.35E-03	5.83E-04
10726	500555.3	3733589	3.40E-03	0.00E+00	3.40E-03	5.92E-04
10727	500551.6	3733598	3.45E-03	0.00E+00	3.45E-03	6.01E-04
10728	500547.9	3733606	3.50E-03	0.00E+00	3.50E-03	6.10E-04
10729	500544.1	3733615	3.55E-03	0.00E+00	3.55E-03	6.19E-04
10730	500540.4	3733624	3.61E-03	0.00E+00	3.61E-03	6.28E-04
10731	500536.7	3733633	3.66E-03	0.00E+00	3.66E-03	6.38E-04
10732	500533	3733642	3.71E-03	0.00E+00	3.71E-03	6.47E-04
10733	500529.2	3733651	3.77E-03	0.00E+00	3.77E-03	6.56E-04
10734	500525.5	3733660	3.82E-03	0.00E+00	3.82E-03	6.66E-04
10735	500521.8	3733669	3.88E-03	0.00E+00	3.88E-03	6.75E-04
10736	500518.1	3733678	3.93E-03	0.00E+00	3.93E-03	6.85E-04
10737	500514.3	3733687	3.99E-03	0.00E+00	3.99E-03	6.95E-04
10738	500510.6	3733696	4.04E-03	0.00E+00	4.04E-03	7.04E-04
10739	500506.9	3733705	4.09E-03	0.00E+00	4.09E-03	7.13E-04
10740	500503.2	3733714	4.15E-03	0.00E+00	4.15E-03	7.22E-04
10741	500499.5	3733723	4.20E-03	0.00E+00	4.20E-03	7.31E-04
10742	500480.8	3733768	4.44E-03	0.00E+00	4.44E-03	7.74E-04
10743	500477.1	3733777	4.48E-03	0.00E+00	4.48E-03	7.81E-04
10744	500473.4	3733786	4.53E-03	0.00E+00	4.53E-03	7.89E-04
10745	500469.7	3733795	4.57E-03	0.00E+00	4.57E-03	7.96E-04
10746	500465.9	3733804	4.61E-03	0.00E+00	4.61E-03	8.03E-04
10747	500453.3	3733816	4.78E-03	0.00E+00	4.78E-03	8.33E-04
10748	500444.3	3733820	4.92E-03	0.00E+00	4.92E-03	8.57E-04
10749	500435.3	3733824	5.06E-03	0.00E+00	5.06E-03	8.82E-04
10750	500426.3	3733827	5.20E-03	0.00E+00	5.20E-03	9.07E-04
10751	500417.4	3733831	5.35E-03	0.00E+00	5.35E-03	9.32E-04
10752	500408.4	3733835	5.50E-03	0.00E+00	5.50E-03	9.58E-04
10753	500399.4	3733838	5.65E-03	0.00E+00	5.65E-03	9.85E-04
10754	500390.5	3733842	5.80E-03	0.00E+00	5.80E-03	1.01E-03
10755	500381.5	3733846	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10756	500372.5	3733849	6.11E-03	0.00E+00	6.11E-03	1.07E-03

10757	500363.6	3733853	6.27E-03	0.00E+00	6.27E-03	1.09E-03
10758	500354.6	3733857	6.43E-03	0.00E+00	6.43E-03	1.12E-03
10759	500345.6	3733861	6.59E-03	0.00E+00	6.59E-03	1.15E-03
10760	500336.7	3733864	6.75E-03	0.00E+00	6.75E-03	1.18E-03
10761	500327.7	3733868	6.91E-03	0.00E+00	6.91E-03	1.20E-03
10762	500318.7	3733872	7.07E-03	0.00E+00	7.07E-03	1.23E-03
10763	500309.8	3733875	7.23E-03	0.00E+00	7.23E-03	1.26E-03
10764	500300.8	3733879	7.38E-03	0.00E+00	7.38E-03	1.29E-03
10765	500291.8	3733883	7.54E-03	0.00E+00	7.54E-03	1.31E-03
10766	500282.9	3733886	7.69E-03	0.00E+00	7.69E-03	1.34E-03
10767	500273.9	3733890	7.84E-03	0.00E+00	7.84E-03	1.37E-03
10768	500264.9	3733894	7.99E-03	0.00E+00	7.99E-03	1.39E-03
10769	500256	3733898	8.13E-03	0.00E+00	8.13E-03	1.42E-03
10770	500247	3733901	8.27E-03	0.00E+00	8.27E-03	1.44E-03
10771	500238	3733905	8.41E-03	0.00E+00	8.41E-03	1.47E-03
10772	500229	3733909	8.54E-03	0.00E+00	8.54E-03	1.49E-03
10773	500220.1	3733912	8.67E-03	0.00E+00	8.67E-03	1.51E-03
10774	500573.9	3733544	3.16E-03	0.00E+00	3.16E-03	5.50E-04
10775	500573.9	3733534	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10776	500573.9	3733524	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10777	500574	3733515	3.15E-03	0.00E+00	3.15E-03	5.48E-04
10778	500574	3733505	3.14E-03	0.00E+00	3.14E-03	5.48E-04
10779	500574	3733495	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10780	500574	3733485	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10781	500574	3733476	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10782	500574	3733466	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10783	500574	3733456	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10784	500574	3733447	3.14E-03	0.00E+00	3.14E-03	5.48E-04
10785	500574	3733437	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10786	500574	3733427	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10787	500574.1	3733417	3.16E-03	0.00E+00	3.16E-03	5.51E-04
10788	500574.1	3733408	3.17E-03	0.00E+00	3.17E-03	5.52E-04
10789	500574.1	3733398	3.18E-03	0.00E+00	3.18E-03	5.53E-04
10790	500574.1	3733388	3.19E-03	0.00E+00	3.19E-03	5.55E-04
10791	500574.1	3733378	3.20E-03	0.00E+00	3.20E-03	5.57E-04
10792	500574.1	3733369	3.21E-03	0.00E+00	3.21E-03	5.59E-04
10793	500574.1	3733359	3.22E-03	0.00E+00	3.22E-03	5.62E-04
10794	500574.1	3733349	3.24E-03	0.00E+00	3.24E-03	5.65E-04
10795	500574.1	3733340	3.26E-03	0.00E+00	3.26E-03	5.68E-04
10796	500574.1	3733330	3.28E-03	0.00E+00	3.28E-03	5.71E-04
10797	500574.2	3733320	3.30E-03	0.00E+00	3.30E-03	5.75E-04
10798	500574.2	3733310	3.32E-03	0.00E+00	3.32E-03	5.78E-04
10799	500574.2	3733301	3.34E-03	0.00E+00	3.34E-03	5.83E-04
10800	500574.2	3733291	3.37E-03	0.00E+00	3.37E-03	5.87E-04
10801	500574.2	3733281	3.40E-03	0.00E+00	3.40E-03	5.92E-04
10802	500574.2	3733233	3.55E-03	0.00E+00	3.55E-03	6.18E-04
10803	500574.3	3733223	3.58E-03	0.00E+00	3.58E-03	6.24E-04

10804	500574.3	3733213	3.62E-03	0.00E+00	3.62E-03	6.31E-04
10805	500574.3	3733203	3.66E-03	0.00E+00	3.66E-03	6.37E-04
10806	500596.6	3733561	2.93E-03	0.00E+00	2.93E-03	5.10E-04
10807	500593	3733570	2.97E-03	0.00E+00	2.97E-03	5.17E-04
10808	500589.3	3733579	3.01E-03	0.00E+00	3.01E-03	5.24E-04
10809	500585.7	3733588	3.05E-03	0.00E+00	3.05E-03	5.32E-04
10810	500582	3733597	3.10E-03	0.00E+00	3.10E-03	5.39E-04
10811	500578.4	3733605	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10812	500574.7	3733614	3.18E-03	0.00E+00	3.18E-03	5.55E-04
10813	500571.1	3733623	3.23E-03	0.00E+00	3.23E-03	5.63E-04
10814	500567.4	3733632	3.28E-03	0.00E+00	3.28E-03	5.71E-04
10815	500563.8	3733640	3.32E-03	0.00E+00	3.32E-03	5.79E-04
10816	500560.1	3733649	3.37E-03	0.00E+00	3.37E-03	5.87E-04
10817	500556.4	3733658	3.42E-03	0.00E+00	3.42E-03	5.95E-04
10818	500552.8	3733667	3.46E-03	0.00E+00	3.46E-03	6.03E-04
10819	500549.1	3733676	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10820	500545.5	3733684	3.56E-03	0.00E+00	3.56E-03	6.20E-04
10821	500541.8	3733693	3.61E-03	0.00E+00	3.61E-03	6.28E-04
10822	500538.2	3733702	3.65E-03	0.00E+00	3.65E-03	6.37E-04
10823	500534.5	3733711	3.70E-03	0.00E+00	3.70E-03	6.45E-04
10824	500530.9	3733720	3.75E-03	0.00E+00	3.75E-03	6.53E-04
10825	500509	3733772	4.01E-03	0.00E+00	4.01E-03	6.99E-04
10826	500505.3	3733781	4.06E-03	0.00E+00	4.06E-03	7.07E-04
10827	500501.7	3733790	4.10E-03	0.00E+00	4.10E-03	7.14E-04
10828	500498	3733799	4.13E-03	0.00E+00	4.13E-03	7.20E-04
10829	500494.4	3733807	4.17E-03	0.00E+00	4.17E-03	7.27E-04
10830	500490.7	3733816	4.21E-03	0.00E+00	4.21E-03	7.33E-04
10831	500487.1	3733825	4.24E-03	0.00E+00	4.24E-03	7.39E-04
10832	500474.6	3733837	4.39E-03	0.00E+00	4.39E-03	7.65E-04
10833	500465.8	3733841	4.51E-03	0.00E+00	4.51E-03	7.86E-04
10834	500457	3733845	4.63E-03	0.00E+00	4.63E-03	8.08E-04
10835	500448.2	3733848	4.76E-03	0.00E+00	4.76E-03	8.29E-04
10836	500439.4	3733852	4.89E-03	0.00E+00	4.89E-03	8.51E-04
10837	500430.6	3733856	5.01E-03	0.00E+00	5.01E-03	8.74E-04
10838	500421.8	3733859	5.14E-03	0.00E+00	5.14E-03	8.96E-04
10839	500413	3733863	5.28E-03	0.00E+00	5.28E-03	9.19E-04
10840	500404.2	3733866	5.41E-03	0.00E+00	5.41E-03	9.43E-04
10841	500395.4	3733870	5.55E-03	0.00E+00	5.55E-03	9.66E-04
10842	500386.6	3733874	5.68E-03	0.00E+00	5.68E-03	9.90E-04
10843	500377.8	3733877	5.82E-03	0.00E+00	5.82E-03	1.01E-03
10844	500369	3733881	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10845	500360.3	3733885	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10846	500351.5	3733888	6.23E-03	0.00E+00	6.23E-03	1.09E-03
10847	500342.7	3733892	6.37E-03	0.00E+00	6.37E-03	1.11E-03
10848	500333.9	3733895	6.51E-03	0.00E+00	6.51E-03	1.13E-03
10849	500325.1	3733899	6.64E-03	0.00E+00	6.64E-03	1.16E-03
10850	500316.3	3733903	6.78E-03	0.00E+00	6.78E-03	1.18E-03

10851	500307.5	3733906	6.92E-03	0.00E+00	6.92E-03	1.21E-03
10852	500298.7	3733910	7.05E-03	0.00E+00	7.05E-03	1.23E-03
10853	500289.9	3733914	7.18E-03	0.00E+00	7.18E-03	1.25E-03
10854	500281.1	3733917	7.31E-03	0.00E+00	7.31E-03	1.27E-03
10855	500272.3	3733921	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10856	500263.5	3733924	7.56E-03	0.00E+00	7.56E-03	1.32E-03
10857	500254.7	3733928	7.69E-03	0.00E+00	7.69E-03	1.34E-03
10858	500245.9	3733932	7.80E-03	0.00E+00	7.80E-03	1.36E-03
10859	500237.1	3733935	7.92E-03	0.00E+00	7.92E-03	1.38E-03
10860	500228.3	3733939	8.03E-03	0.00E+00	8.03E-03	1.40E-03
10861	500219.5	3733943	8.14E-03	0.00E+00	8.14E-03	1.42E-03
10862	500604.2	3733252	3.12E-03	0.00E+00	3.12E-03	5.43E-04
10863	500604.2	3733242	3.15E-03	0.00E+00	3.15E-03	5.48E-04
10864	500604.2	3733233	3.17E-03	0.00E+00	3.17E-03	5.53E-04
10865	500604.3	3733223	3.20E-03	0.00E+00	3.20E-03	5.58E-04
10866	500604.3	3733213	3.24E-03	0.00E+00	3.24E-03	5.64E-04
10867	500604.3	3733203	3.27E-03	0.00E+00	3.27E-03	5.69E-04
10868	500630.2	3733553	2.62E-03	0.00E+00	2.62E-03	4.56E-04
10869	500626.5	3733562	2.65E-03	0.00E+00	2.65E-03	4.62E-04
10870	500622.8	3733571	2.69E-03	0.00E+00	2.69E-03	4.69E-04
10871	500619.1	3733579	2.73E-03	0.00E+00	2.73E-03	4.75E-04
10872	500597	3733633	2.96E-03	0.00E+00	2.96E-03	5.16E-04
10873	500593.3	3733642	3.00E-03	0.00E+00	3.00E-03	5.23E-04
10874	500589.6	3733651	3.04E-03	0.00E+00	3.04E-03	5.31E-04
10875	500585.9	3733659	3.09E-03	0.00E+00	3.09E-03	5.38E-04
10876	500582.2	3733668	3.13E-03	0.00E+00	3.13E-03	5.45E-04
10877	500578.5	3733677	3.17E-03	0.00E+00	3.17E-03	5.53E-04
10878	500574.8	3733686	3.21E-03	0.00E+00	3.21E-03	5.60E-04
10879	500571.1	3733695	3.26E-03	0.00E+00	3.26E-03	5.68E-04
10880	500567.4	3733704	3.30E-03	0.00E+00	3.30E-03	5.75E-04
10881	500563.7	3733713	3.34E-03	0.00E+00	3.34E-03	5.83E-04
10882	500560	3733722	3.39E-03	0.00E+00	3.39E-03	5.90E-04
10883	500537.8	3733775	3.63E-03	0.00E+00	3.63E-03	6.33E-04
10884	500534.1	3733784	3.67E-03	0.00E+00	3.67E-03	6.40E-04
10885	500530.5	3733793	3.71E-03	0.00E+00	3.71E-03	6.47E-04
10886	500526.8	3733802	3.75E-03	0.00E+00	3.75E-03	6.53E-04
10887	500523.1	3733811	3.79E-03	0.00E+00	3.79E-03	6.60E-04
10888	500519.4	3733819	3.82E-03	0.00E+00	3.82E-03	6.66E-04
10889	500515.7	3733828	3.85E-03	0.00E+00	3.85E-03	6.72E-04
10890	500512	3733837	3.89E-03	0.00E+00	3.89E-03	6.77E-04
10891	500508.3	3733846	3.92E-03	0.00E+00	3.92E-03	6.83E-04
10892	500495.7	3733859	4.06E-03	0.00E+00	4.06E-03	7.07E-04
10893	500486.8	3733862	4.16E-03	0.00E+00	4.16E-03	7.25E-04
10894	500477.9	3733866	4.27E-03	0.00E+00	4.27E-03	7.45E-04
10895	500469	3733870	4.38E-03	0.00E+00	4.38E-03	7.64E-04
10896	500460.1	3733873	4.50E-03	0.00E+00	4.50E-03	7.84E-04
10897	500451.2	3733877	4.61E-03	0.00E+00	4.61E-03	8.04E-04

10898	500442.3	3733881	4.73E-03	0.00E+00	4.73E-03	8.25E-04
10899	500433.4	3733884	4.85E-03	0.00E+00	4.85E-03	8.45E-04
10900	500424.5	3733888	4.97E-03	0.00E+00	4.97E-03	8.66E-04
10901	500415.6	3733892	5.09E-03	0.00E+00	5.09E-03	8.87E-04
10902	500406.7	3733895	5.21E-03	0.00E+00	5.21E-03	9.09E-04
10903	500397.8	3733899	5.34E-03	0.00E+00	5.34E-03	9.30E-04
10904	500388.9	3733903	5.46E-03	0.00E+00	5.46E-03	9.52E-04
10905	500380	3733906	5.59E-03	0.00E+00	5.59E-03	9.73E-04
10906	500371.1	3733910	5.71E-03	0.00E+00	5.71E-03	9.95E-04
10907	500362.2	3733914	5.83E-03	0.00E+00	5.83E-03	1.02E-03
10908	500353.3	3733917	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10909	500344.4	3733921	6.08E-03	0.00E+00	6.08E-03	1.06E-03
10910	500335.5	3733925	6.21E-03	0.00E+00	6.21E-03	1.08E-03
10911	500326.6	3733928	6.33E-03	0.00E+00	6.33E-03	1.10E-03
10912	500317.7	3733932	6.45E-03	0.00E+00	6.45E-03	1.12E-03
10913	500308.8	3733936	6.57E-03	0.00E+00	6.57E-03	1.14E-03
10914	500299.9	3733939	6.69E-03	0.00E+00	6.69E-03	1.17E-03
10915	500291	3733943	6.81E-03	0.00E+00	6.81E-03	1.19E-03
10916	500282.1	3733947	6.92E-03	0.00E+00	6.92E-03	1.21E-03
10917	500273.2	3733950	7.03E-03	0.00E+00	7.03E-03	1.23E-03
10918	500264.3	3733954	7.14E-03	0.00E+00	7.14E-03	1.24E-03
10919	500255.4	3733958	7.25E-03	0.00E+00	7.25E-03	1.26E-03
10920	500246.5	3733961	7.35E-03	0.00E+00	7.35E-03	1.28E-03
10921	500237.6	3733965	7.46E-03	0.00E+00	7.46E-03	1.30E-03
10922	500228.7	3733969	7.55E-03	0.00E+00	7.55E-03	1.32E-03
10923	500219.8	3733972	7.65E-03	0.00E+00	7.65E-03	1.33E-03
10924	500633.9	3733544	2.59E-03	0.00E+00	2.59E-03	4.50E-04
10925	500634.2	3733262	2.79E-03	0.00E+00	2.79E-03	4.86E-04
10926	500634.2	3733252	2.81E-03	0.00E+00	2.81E-03	4.90E-04
10927	500634.2	3733242	2.84E-03	0.00E+00	2.84E-03	4.94E-04
10928	500634.2	3733233	2.86E-03	0.00E+00	2.86E-03	4.98E-04
10929	500634.3	3733223	2.89E-03	0.00E+00	2.89E-03	5.03E-04
10930	500634.3	3733213	2.91E-03	0.00E+00	2.91E-03	5.07E-04
10931	500634.3	3733204	2.94E-03	0.00E+00	2.94E-03	5.12E-04
10932	500660.3	3733553	2.39E-03	0.00E+00	2.39E-03	4.16E-04
10933	500656.7	3733561	2.42E-03	0.00E+00	2.42E-03	4.21E-04
10934	500653	3733570	2.45E-03	0.00E+00	2.45E-03	4.27E-04
10935	500649.4	3733579	2.48E-03	0.00E+00	2.48E-03	4.32E-04
10936	500645.7	3733588	2.51E-03	0.00E+00	2.51E-03	4.38E-04
10937	500642.1	3733596	2.54E-03	0.00E+00	2.54E-03	4.43E-04
10938	500638.5	3733605	2.58E-03	0.00E+00	2.58E-03	4.49E-04
10939	500634.8	3733614	2.61E-03	0.00E+00	2.61E-03	4.55E-04
10940	500631.2	3733623	2.65E-03	0.00E+00	2.65E-03	4.61E-04
10941	500627.6	3733631	2.68E-03	0.00E+00	2.68E-03	4.67E-04
10942	500623.9	3733640	2.72E-03	0.00E+00	2.72E-03	4.73E-04
10943	500620.3	3733649	2.75E-03	0.00E+00	2.75E-03	4.80E-04
10944	500594.8	3733710	3.01E-03	0.00E+00	3.01E-03	5.25E-04

10945	500591.2	3733719	3.05E-03	0.00E+00	3.05E-03	5.32E-04
10946	500587.6	3733728	3.09E-03	0.00E+00	3.09E-03	5.39E-04
10947	500583.9	3733736	3.13E-03	0.00E+00	3.13E-03	5.45E-04
10948	500569.4	3733771	3.28E-03	0.00E+00	3.28E-03	5.71E-04
10949	500565.8	3733780	3.31E-03	0.00E+00	3.31E-03	5.77E-04
10950	500562.1	3733789	3.35E-03	0.00E+00	3.35E-03	5.84E-04
10951	500558.5	3733798	3.38E-03	0.00E+00	3.38E-03	5.90E-04
10952	500554.9	3733806	3.42E-03	0.00E+00	3.42E-03	5.96E-04
10953	500551.2	3733815	3.45E-03	0.00E+00	3.45E-03	6.02E-04
10954	500547.6	3733824	3.49E-03	0.00E+00	3.49E-03	6.07E-04
10955	500543.9	3733833	3.52E-03	0.00E+00	3.52E-03	6.13E-04
10956	500540.3	3733841	3.55E-03	0.00E+00	3.55E-03	6.18E-04
10957	500536.7	3733850	3.58E-03	0.00E+00	3.58E-03	6.24E-04
10958	500533	3733859	3.61E-03	0.00E+00	3.61E-03	6.29E-04
10959	500529.4	3733867	3.64E-03	0.00E+00	3.64E-03	6.34E-04
10960	500517	3733880	3.76E-03	0.00E+00	3.76E-03	6.55E-04
10961	500508.3	3733883	3.85E-03	0.00E+00	3.85E-03	6.71E-04
10962	500499.5	3733887	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10963	500490.7	3733891	4.05E-03	0.00E+00	4.05E-03	7.05E-04
10964	500482	3733894	4.15E-03	0.00E+00	4.15E-03	7.22E-04
10965	500473.2	3733898	4.25E-03	0.00E+00	4.25E-03	7.40E-04
10966	500464.5	3733902	4.35E-03	0.00E+00	4.35E-03	7.58E-04
10967	500455.7	3733905	4.45E-03	0.00E+00	4.45E-03	7.76E-04
10968	500447	3733909	4.56E-03	0.00E+00	4.56E-03	7.94E-04
10969	500438.2	3733912	4.67E-03	0.00E+00	4.67E-03	8.13E-04
10970	500429.4	3733916	4.77E-03	0.00E+00	4.77E-03	8.32E-04
10971	500420.7	3733920	4.88E-03	0.00E+00	4.88E-03	8.50E-04
10972	500411.9	3733923	4.99E-03	0.00E+00	4.99E-03	8.69E-04
10973	500403.2	3733927	5.10E-03	0.00E+00	5.10E-03	8.89E-04
10974	500394.4	3733930	5.21E-03	0.00E+00	5.21E-03	9.08E-04
10975	500385.7	3733934	5.32E-03	0.00E+00	5.32E-03	9.27E-04
10976	500376.9	3733938	5.43E-03	0.00E+00	5.43E-03	9.46E-04
10977	500368.1	3733941	5.54E-03	0.00E+00	5.54E-03	9.65E-04
10978	500359.4	3733945	5.65E-03	0.00E+00	5.65E-03	9.84E-04
10979	500350.6	3733948	5.76E-03	0.00E+00	5.76E-03	1.00E-03
10980	500341.9	3733952	5.86E-03	0.00E+00	5.86E-03	1.02E-03
10981	500333.1	3733956	5.97E-03	0.00E+00	5.97E-03	1.04E-03
10982	500324.4	3733959	6.08E-03	0.00E+00	6.08E-03	1.06E-03
10983	500315.6	3733963	6.18E-03	0.00E+00	6.18E-03	1.08E-03
10984	500306.8	3733966	6.29E-03	0.00E+00	6.29E-03	1.10E-03
10985	500298.1	3733970	6.39E-03	0.00E+00	6.39E-03	1.11E-03
10986	500289.3	3733974	6.49E-03	0.00E+00	6.49E-03	1.13E-03
10987	500280.6	3733977	6.59E-03	0.00E+00	6.59E-03	1.15E-03
10988	500271.8	3733981	6.68E-03	0.00E+00	6.68E-03	1.16E-03
10989	500263.1	3733985	6.78E-03	0.00E+00	6.78E-03	1.18E-03
10990	500254.3	3733988	6.87E-03	0.00E+00	6.87E-03	1.20E-03
10991	500245.5	3733992	6.96E-03	0.00E+00	6.96E-03	1.21E-03

10992	500236.8	3733995	7.04E-03	0.00E+00	7.04E-03	1.23E-03
10993	500228	3733999	7.13E-03	0.00E+00	7.13E-03	1.24E-03
10994	500219.3	3734003	7.21E-03	0.00E+00	7.21E-03	1.26E-03
10995	500663.9	3733544	2.36E-03	0.00E+00	2.36E-03	4.11E-04
10996	500664.2	3733272	2.51E-03	0.00E+00	2.51E-03	4.38E-04
10997	500664.2	3733262	2.53E-03	0.00E+00	2.53E-03	4.41E-04
10998	500664.2	3733252	2.55E-03	0.00E+00	2.55E-03	4.45E-04
10999	500664.2	3733242	2.57E-03	0.00E+00	2.57E-03	4.48E-04
11000	500664.2	3733233	2.59E-03	0.00E+00	2.59E-03	4.52E-04
11001	500664.3	3733223	2.62E-03	0.00E+00	2.62E-03	4.56E-04
11002	500664.3	3733213	2.64E-03	0.00E+00	2.64E-03	4.60E-04
11003	500664.3	3733204	2.66E-03	0.00E+00	2.66E-03	4.64E-04
11004	500690.3	3733553	2.19E-03	0.00E+00	2.19E-03	3.81E-04
11005	500686.6	3733562	2.21E-03	0.00E+00	2.21E-03	3.86E-04
11006	500682.9	3733570	2.24E-03	0.00E+00	2.24E-03	3.90E-04
11007	500679.2	3733579	2.27E-03	0.00E+00	2.27E-03	3.95E-04
11008	500675.6	3733588	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11009	500671.9	3733597	2.33E-03	0.00E+00	2.33E-03	4.05E-04
11010	500668.2	3733606	2.36E-03	0.00E+00	2.36E-03	4.10E-04
11011	500664.5	3733615	2.39E-03	0.00E+00	2.39E-03	4.16E-04
11012	500660.9	3733623	2.42E-03	0.00E+00	2.42E-03	4.21E-04
11013	500657.2	3733632	2.45E-03	0.00E+00	2.45E-03	4.27E-04
11014	500653.5	3733641	2.48E-03	0.00E+00	2.48E-03	4.32E-04
11015	500649.8	3733650	2.51E-03	0.00E+00	2.51E-03	4.38E-04
11016	500646.2	3733659	2.55E-03	0.00E+00	2.55E-03	4.43E-04
11017	500642.5	3733668	2.58E-03	0.00E+00	2.58E-03	4.49E-04
11018	500638.8	3733677	2.61E-03	0.00E+00	2.61E-03	4.55E-04
11019	500635.1	3733685	2.64E-03	0.00E+00	2.64E-03	4.61E-04
11020	500631.5	3733694	2.68E-03	0.00E+00	2.68E-03	4.67E-04
11021	500627.8	3733703	2.71E-03	0.00E+00	2.71E-03	4.73E-04
11022	500594.7	3733783	3.02E-03	0.00E+00	3.02E-03	5.27E-04
11023	500591	3733791	3.06E-03	0.00E+00	3.06E-03	5.32E-04
11024	500587.4	3733800	3.09E-03	0.00E+00	3.09E-03	5.38E-04
11025	500583.7	3733809	3.12E-03	0.00E+00	3.12E-03	5.44E-04
11026	500580	3733818	3.15E-03	0.00E+00	3.15E-03	5.49E-04
11027	500576.3	3733827	3.18E-03	0.00E+00	3.18E-03	5.55E-04
11028	500572.7	3733836	3.22E-03	0.00E+00	3.22E-03	5.60E-04
11029	500569	3733844	3.25E-03	0.00E+00	3.25E-03	5.66E-04
11030	500565.3	3733853	3.28E-03	0.00E+00	3.28E-03	5.71E-04
11031	500561.6	3733862	3.30E-03	0.00E+00	3.30E-03	5.76E-04
11032	500558	3733871	3.33E-03	0.00E+00	3.33E-03	5.81E-04
11033	500554.3	3733880	3.36E-03	0.00E+00	3.36E-03	5.85E-04
11034	500550.6	3733889	3.39E-03	0.00E+00	3.39E-03	5.90E-04
11035	500538.1	3733901	3.49E-03	0.00E+00	3.49E-03	6.09E-04
11036	500529.2	3733905	3.58E-03	0.00E+00	3.58E-03	6.24E-04
11037	500520.4	3733908	3.67E-03	0.00E+00	3.67E-03	6.39E-04
11038	500511.5	3733912	3.76E-03	0.00E+00	3.76E-03	6.55E-04

11039	500502.7	3733916	3.85E-03	0.00E+00	3.85E-03	6.70E-04
11040	500493.8	3733919	3.94E-03	0.00E+00	3.94E-03	6.86E-04
11041	500485	3733923	4.03E-03	0.00E+00	4.03E-03	7.02E-04
11042	500476.1	3733927	4.13E-03	0.00E+00	4.13E-03	7.19E-04
11043	500467.3	3733930	4.22E-03	0.00E+00	4.22E-03	7.35E-04
11044	500458.4	3733934	4.32E-03	0.00E+00	4.32E-03	7.52E-04
11045	500449.6	3733938	4.41E-03	0.00E+00	4.41E-03	7.69E-04
11046	500440.7	3733941	4.51E-03	0.00E+00	4.51E-03	7.86E-04
11047	500431.9	3733945	4.61E-03	0.00E+00	4.61E-03	8.04E-04
11048	500423	3733949	4.71E-03	0.00E+00	4.71E-03	8.21E-04
11049	500414.2	3733952	4.81E-03	0.00E+00	4.81E-03	8.38E-04
11050	500405.3	3733956	4.91E-03	0.00E+00	4.91E-03	8.56E-04
11051	500396.5	3733960	5.01E-03	0.00E+00	5.01E-03	8.73E-04
11052	500387.6	3733963	5.11E-03	0.00E+00	5.11E-03	8.91E-04
11053	500378.8	3733967	5.21E-03	0.00E+00	5.21E-03	9.08E-04
11054	500369.9	3733970	5.31E-03	0.00E+00	5.31E-03	9.25E-04
11055	500361.1	3733974	5.41E-03	0.00E+00	5.41E-03	9.43E-04
11056	500352.2	3733978	5.51E-03	0.00E+00	5.51E-03	9.60E-04
11057	500343.4	3733981	5.60E-03	0.00E+00	5.60E-03	9.77E-04
11058	500334.5	3733985	5.70E-03	0.00E+00	5.70E-03	9.93E-04
11059	500325.7	3733989	5.80E-03	0.00E+00	5.80E-03	1.01E-03
11060	500316.8	3733992	5.89E-03	0.00E+00	5.89E-03	1.03E-03
11061	500308	3733996	5.98E-03	0.00E+00	5.98E-03	1.04E-03
11062	500299.1	3734000	6.07E-03	0.00E+00	6.07E-03	1.06E-03
11063	500290.3	3734003	6.16E-03	0.00E+00	6.16E-03	1.07E-03
11064	500281.4	3734007	6.25E-03	0.00E+00	6.25E-03	1.09E-03
11065	500272.6	3734011	6.33E-03	0.00E+00	6.33E-03	1.10E-03
11066	500263.7	3734014	6.42E-03	0.00E+00	6.42E-03	1.12E-03
11067	500254.9	3734018	6.50E-03	0.00E+00	6.50E-03	1.13E-03
11068	500246	3734022	6.58E-03	0.00E+00	6.58E-03	1.15E-03
11069	500237.2	3734025	6.65E-03	0.00E+00	6.65E-03	1.16E-03
11070	500228.3	3734029	6.73E-03	0.00E+00	6.73E-03	1.17E-03
11071	500219.5	3734032	6.80E-03	0.00E+00	6.80E-03	1.18E-03
11072	500693.9	3733544	2.16E-03	0.00E+00	2.16E-03	3.77E-04
11073	500694.2	3733291	2.27E-03	0.00E+00	2.27E-03	3.95E-04
11074	500694.2	3733281	2.28E-03	0.00E+00	2.28E-03	3.97E-04
11075	500694.2	3733272	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11076	500694.2	3733262	2.31E-03	0.00E+00	2.31E-03	4.03E-04
11077	500694.2	3733252	2.33E-03	0.00E+00	2.33E-03	4.06E-04
11078	500694.2	3733242	2.35E-03	0.00E+00	2.35E-03	4.09E-04
11079	500694.2	3733233	2.36E-03	0.00E+00	2.36E-03	4.12E-04
11080	500694.3	3733223	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11081	500694.3	3733213	2.40E-03	0.00E+00	2.40E-03	4.19E-04
11082	500694.3	3733204	2.42E-03	0.00E+00	2.42E-03	4.22E-04
11083	500730.2	3733553	1.96E-03	0.00E+00	1.96E-03	3.41E-04
11084	500726.5	3733562	1.98E-03	0.00E+00	1.98E-03	3.45E-04
11085	500722.9	3733571	2.00E-03	0.00E+00	2.00E-03	3.49E-04

11086	500719.2	3733579	2.03E-03	0.00E+00	2.03E-03	3.53E-04
11087	500715.5	3733588	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11088	500711.8	3733597	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11089	500708.1	3733606	2.10E-03	0.00E+00	2.10E-03	3.66E-04
11090	500704.4	3733615	2.13E-03	0.00E+00	2.13E-03	3.71E-04
11091	500700.7	3733624	2.15E-03	0.00E+00	2.15E-03	3.75E-04
11092	500697	3733633	2.18E-03	0.00E+00	2.18E-03	3.80E-04
11093	500693.3	3733642	2.21E-03	0.00E+00	2.21E-03	3.84E-04
11094	500689.6	3733651	2.23E-03	0.00E+00	2.23E-03	3.89E-04
11095	500685.9	3733659	2.26E-03	0.00E+00	2.26E-03	3.94E-04
11096	500682.2	3733668	2.29E-03	0.00E+00	2.29E-03	3.99E-04
11097	500678.6	3733677	2.32E-03	0.00E+00	2.32E-03	4.04E-04
11098	500674.9	3733686	2.35E-03	0.00E+00	2.35E-03	4.09E-04
11099	500671.2	3733695	2.38E-03	0.00E+00	2.38E-03	4.14E-04
11100	500667.5	3733704	2.41E-03	0.00E+00	2.41E-03	4.19E-04
11101	500641.6	3733766	2.62E-03	0.00E+00	2.62E-03	4.56E-04
11102	500637.9	3733775	2.65E-03	0.00E+00	2.65E-03	4.62E-04
11103	500634.3	3733784	2.68E-03	0.00E+00	2.68E-03	4.67E-04
11104	500630.6	3733793	2.71E-03	0.00E+00	2.71E-03	4.72E-04
11105	500626.9	3733801	2.74E-03	0.00E+00	2.74E-03	4.77E-04
11106	500623.2	3733810	2.77E-03	0.00E+00	2.77E-03	4.82E-04
11107	500619.5	3733819	2.80E-03	0.00E+00	2.80E-03	4.88E-04
11108	500615.8	3733828	2.83E-03	0.00E+00	2.83E-03	4.93E-04
11109	500612.1	3733837	2.86E-03	0.00E+00	2.86E-03	4.98E-04
11110	500590	3733890	3.02E-03	0.00E+00	3.02E-03	5.26E-04
11111	500586.3	3733899	3.04E-03	0.00E+00	3.04E-03	5.30E-04
11112	500582.6	3733908	3.07E-03	0.00E+00	3.07E-03	5.34E-04
11113	500578.9	3733917	3.09E-03	0.00E+00	3.09E-03	5.38E-04
11114	500566.3	3733929	3.19E-03	0.00E+00	3.19E-03	5.55E-04
11115	500557.4	3733933	3.26E-03	0.00E+00	3.26E-03	5.68E-04
11116	500548.5	3733937	3.34E-03	0.00E+00	3.34E-03	5.82E-04
11117	500539.6	3733940	3.42E-03	0.00E+00	3.42E-03	5.95E-04
11118	500530.7	3733944	3.50E-03	0.00E+00	3.50E-03	6.09E-04
11119	500521.8	3733948	3.58E-03	0.00E+00	3.58E-03	6.23E-04
11120	500512.9	3733951	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11121	500504.1	3733955	3.74E-03	0.00E+00	3.74E-03	6.52E-04
11122	500495.2	3733959	3.82E-03	0.00E+00	3.82E-03	6.66E-04
11123	500486.3	3733962	3.91E-03	0.00E+00	3.91E-03	6.81E-04
11124	500477.4	3733966	3.99E-03	0.00E+00	3.99E-03	6.96E-04
11125	500468.5	3733970	4.08E-03	0.00E+00	4.08E-03	7.11E-04
11126	500459.6	3733973	4.16E-03	0.00E+00	4.16E-03	7.26E-04
11127	500450.7	3733977	4.25E-03	0.00E+00	4.25E-03	7.41E-04
11128	500441.8	3733981	4.34E-03	0.00E+00	4.34E-03	7.56E-04
11129	500432.9	3733984	4.43E-03	0.00E+00	4.43E-03	7.71E-04
11130	500424	3733988	4.51E-03	0.00E+00	4.51E-03	7.87E-04
11131	500415.1	3733992	4.60E-03	0.00E+00	4.60E-03	8.02E-04
11132	500406.3	3733995	4.69E-03	0.00E+00	4.69E-03	8.17E-04

11133	500397.4	3733999	4.78E-03	0.00E+00	4.78E-03	8.33E-04
11134	500388.5	3734003	4.87E-03	0.00E+00	4.87E-03	8.48E-04
11135	500379.6	3734006	4.95E-03	0.00E+00	4.95E-03	8.63E-04
11136	500370.7	3734010	5.04E-03	0.00E+00	5.04E-03	8.78E-04
11137	500361.8	3734014	5.13E-03	0.00E+00	5.13E-03	8.93E-04
11138	500352.9	3734017	5.21E-03	0.00E+00	5.21E-03	9.08E-04
11139	500344	3734021	5.30E-03	0.00E+00	5.30E-03	9.23E-04
11140	500335.1	3734025	5.38E-03	0.00E+00	5.38E-03	9.37E-04
11141	500326.2	3734028	5.46E-03	0.00E+00	5.46E-03	9.51E-04
11142	500317.3	3734032	5.54E-03	0.00E+00	5.54E-03	9.65E-04
11143	500308.4	3734036	5.62E-03	0.00E+00	5.62E-03	9.79E-04
11144	500299.6	3734039	5.70E-03	0.00E+00	5.70E-03	9.93E-04
11145	500290.7	3734043	5.77E-03	0.00E+00	5.77E-03	1.01E-03
11146	500281.8	3734047	5.85E-03	0.00E+00	5.85E-03	1.02E-03
11147	500272.9	3734050	5.92E-03	0.00E+00	5.92E-03	1.03E-03
11148	500264	3734054	5.99E-03	0.00E+00	5.99E-03	1.04E-03
11149	500255.1	3734058	6.06E-03	0.00E+00	6.06E-03	1.06E-03
11150	500246.2	3734061	6.12E-03	0.00E+00	6.12E-03	1.07E-03
11151	500237.3	3734065	6.19E-03	0.00E+00	6.19E-03	1.08E-03
11152	500228.4	3734069	6.25E-03	0.00E+00	6.25E-03	1.09E-03
11153	500219.5	3734072	6.31E-03	0.00E+00	6.31E-03	1.10E-03
11154	500733.9	3733544	1.94E-03	0.00E+00	1.94E-03	3.38E-04
11155	500734.2	3733311	2.00E-03	0.00E+00	2.00E-03	3.49E-04
11156	500734.2	3733301	2.01E-03	0.00E+00	2.01E-03	3.51E-04
11157	500734.2	3733291	2.02E-03	0.00E+00	2.02E-03	3.53E-04
11158	500734.2	3733281	2.04E-03	0.00E+00	2.04E-03	3.55E-04
11159	500734.2	3733272	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11160	500734.2	3733262	2.06E-03	0.00E+00	2.06E-03	3.59E-04
11161	500734.2	3733252	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11162	500734.2	3733243	2.09E-03	0.00E+00	2.09E-03	3.64E-04
11163	500734.2	3733233	2.11E-03	0.00E+00	2.11E-03	3.67E-04
11164	500734.3	3733223	2.12E-03	0.00E+00	2.12E-03	3.70E-04
11165	500734.3	3733213	2.14E-03	0.00E+00	2.14E-03	3.73E-04
11166	500734.3	3733204	2.16E-03	0.00E+00	2.16E-03	3.76E-04
11167	500770.2	3733553	1.77E-03	0.00E+00	1.77E-03	3.08E-04
11168	500766.5	3733562	1.79E-03	0.00E+00	1.79E-03	3.11E-04
11169	500762.8	3733571	1.81E-03	0.00E+00	1.81E-03	3.15E-04
11170	500759.1	3733580	1.83E-03	0.00E+00	1.83E-03	3.18E-04
11171	500755.4	3733589	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11172	500751.7	3733597	1.87E-03	0.00E+00	1.87E-03	3.25E-04
11173	500748	3733606	1.89E-03	0.00E+00	1.89E-03	3.29E-04
11174	500744.3	3733615	1.91E-03	0.00E+00	1.91E-03	3.33E-04
11175	500740.6	3733624	1.93E-03	0.00E+00	1.93E-03	3.37E-04
11176	500736.9	3733633	1.96E-03	0.00E+00	1.96E-03	3.41E-04
11177	500733.2	3733642	1.98E-03	0.00E+00	1.98E-03	3.45E-04
11178	500729.4	3733651	2.00E-03	0.00E+00	2.00E-03	3.49E-04
11179	500725.7	3733660	2.03E-03	0.00E+00	2.03E-03	3.53E-04

11180	500722	3733669	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11181	500718.3	3733678	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11182	500714.6	3733687	2.10E-03	0.00E+00	2.10E-03	3.66E-04
11183	500710.9	3733696	2.13E-03	0.00E+00	2.13E-03	3.70E-04
11184	500707.2	3733704	2.15E-03	0.00E+00	2.15E-03	3.75E-04
11185	500681.3	3733767	2.34E-03	0.00E+00	2.34E-03	4.07E-04
11186	500677.6	3733776	2.36E-03	0.00E+00	2.36E-03	4.12E-04
11187	500673.9	3733785	2.39E-03	0.00E+00	2.39E-03	4.16E-04
11188	500670.1	3733794	2.42E-03	0.00E+00	2.42E-03	4.21E-04
11189	500666.4	3733803	2.44E-03	0.00E+00	2.44E-03	4.26E-04
11190	500662.7	3733811	2.47E-03	0.00E+00	2.47E-03	4.30E-04
11191	500659	3733820	2.50E-03	0.00E+00	2.50E-03	4.35E-04
11192	500655.3	3733829	2.52E-03	0.00E+00	2.52E-03	4.40E-04
11193	500651.6	3733838	2.55E-03	0.00E+00	2.55E-03	4.44E-04
11194	500647.9	3733847	2.58E-03	0.00E+00	2.58E-03	4.49E-04
11195	500644.2	3733856	2.60E-03	0.00E+00	2.60E-03	4.53E-04
11196	500640.5	3733865	2.63E-03	0.00E+00	2.63E-03	4.58E-04
11197	500636.8	3733874	2.65E-03	0.00E+00	2.65E-03	4.62E-04
11198	500610.8	3733936	2.81E-03	0.00E+00	2.81E-03	4.90E-04
11199	500585.6	3733962	2.99E-03	0.00E+00	2.99E-03	5.20E-04
11200	500576.6	3733965	3.05E-03	0.00E+00	3.05E-03	5.32E-04
11201	500567.7	3733969	3.12E-03	0.00E+00	3.12E-03	5.44E-04
11202	500558.8	3733973	3.19E-03	0.00E+00	3.19E-03	5.56E-04
11203	500549.9	3733976	3.26E-03	0.00E+00	3.26E-03	5.68E-04
11204	500540.9	3733980	3.33E-03	0.00E+00	3.33E-03	5.81E-04
11205	500532	3733984	3.41E-03	0.00E+00	3.41E-03	5.94E-04
11206	500523.1	3733987	3.48E-03	0.00E+00	3.48E-03	6.06E-04
11207	500514.2	3733991	3.56E-03	0.00E+00	3.56E-03	6.19E-04
11208	500505.2	3733995	3.63E-03	0.00E+00	3.63E-03	6.33E-04
11209	500496.3	3733998	3.71E-03	0.00E+00	3.71E-03	6.46E-04
11210	500487.4	3734002	3.78E-03	0.00E+00	3.78E-03	6.59E-04
11211	500478.4	3734006	3.86E-03	0.00E+00	3.86E-03	6.72E-04
11212	500469.5	3734009	3.94E-03	0.00E+00	3.94E-03	6.86E-04
11213	500460.6	3734013	4.01E-03	0.00E+00	4.01E-03	6.99E-04
11214	500451.7	3734017	4.09E-03	0.00E+00	4.09E-03	7.13E-04
11215	500442.7	3734020	4.17E-03	0.00E+00	4.17E-03	7.26E-04
11216	500433.8	3734024	4.25E-03	0.00E+00	4.25E-03	7.40E-04
11217	500424.9	3734028	4.32E-03	0.00E+00	4.32E-03	7.54E-04
11218	500416	3734031	4.40E-03	0.00E+00	4.40E-03	7.67E-04
11219	500407	3734035	4.48E-03	0.00E+00	4.48E-03	7.81E-04
11220	500398.1	3734039	4.56E-03	0.00E+00	4.56E-03	7.94E-04
11221	500389.2	3734042	4.63E-03	0.00E+00	4.63E-03	8.07E-04
11222	500380.3	3734046	4.71E-03	0.00E+00	4.71E-03	8.20E-04
11223	500371.3	3734050	4.78E-03	0.00E+00	4.78E-03	8.34E-04
11224	500362.4	3734053	4.86E-03	0.00E+00	4.86E-03	8.47E-04
11225	500353.5	3734057	4.93E-03	0.00E+00	4.93E-03	8.60E-04
11226	500344.5	3734061	5.01E-03	0.00E+00	5.01E-03	8.72E-04

11227	500335.6	3734065	5.08E-03	0.00E+00	5.08E-03	8.85E-04
11228	500326.7	3734068	5.15E-03	0.00E+00	5.15E-03	8.97E-04
11229	500317.8	3734072	5.22E-03	0.00E+00	5.22E-03	9.09E-04
11230	500308.8	3734076	5.29E-03	0.00E+00	5.29E-03	9.21E-04
11231	500299.9	3734079	5.35E-03	0.00E+00	5.35E-03	9.33E-04
11232	500291	3734083	5.42E-03	0.00E+00	5.42E-03	9.44E-04
11233	500282.1	3734087	5.48E-03	0.00E+00	5.48E-03	9.55E-04
11234	500273.1	3734090	5.54E-03	0.00E+00	5.54E-03	9.66E-04
11235	500264.2	3734094	5.60E-03	0.00E+00	5.60E-03	9.76E-04
11236	500255.3	3734098	5.66E-03	0.00E+00	5.66E-03	9.86E-04
11237	500246.3	3734101	5.72E-03	0.00E+00	5.72E-03	9.96E-04
11238	500237.4	3734105	5.77E-03	0.00E+00	5.77E-03	1.01E-03
11239	500228.5	3734109	5.82E-03	0.00E+00	5.82E-03	1.01E-03
11240	500219.6	3734112	5.87E-03	0.00E+00	5.87E-03	1.02E-03
11241	500773.9	3733544	1.72E-03	0.00E+00	1.72E-03	2.99E-04
11242	500774.2	3733320	1.80E-03	0.00E+00	1.80E-03	3.13E-04
11243	500774.2	3733311	1.81E-03	0.00E+00	1.81E-03	3.15E-04
11244	500774.2	3733301	1.81E-03	0.00E+00	1.81E-03	3.16E-04
11245	500774.2	3733291	1.82E-03	0.00E+00	1.82E-03	3.18E-04
11246	500774.2	3733281	1.83E-03	0.00E+00	1.83E-03	3.19E-04
11247	500774.2	3733272	1.84E-03	0.00E+00	1.84E-03	3.21E-04
11248	500774.2	3733262	1.85E-03	0.00E+00	1.85E-03	3.23E-04
11249	500774.2	3733252	1.87E-03	0.00E+00	1.87E-03	3.25E-04
11250	500774.2	3733243	1.88E-03	0.00E+00	1.88E-03	3.27E-04
11251	500774.2	3733233	1.89E-03	0.00E+00	1.89E-03	3.29E-04
11252	500774.3	3733223	1.90E-03	0.00E+00	1.90E-03	3.32E-04
11253	500774.3	3733213	1.92E-03	0.00E+00	1.92E-03	3.34E-04
11254	500774.3	3733204	1.93E-03	0.00E+00	1.93E-03	3.37E-04
11255	500810.2	3733553	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11256	500806.5	3733562	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11257	500802.8	3733571	1.60E-03	0.00E+00	1.60E-03	2.80E-04
11258	500799	3733580	1.62E-03	0.00E+00	1.62E-03	2.83E-04
11259	500795.3	3733589	1.64E-03	0.00E+00	1.64E-03	2.86E-04
11260	500791.6	3733598	1.66E-03	0.00E+00	1.66E-03	2.89E-04
11261	500787.9	3733607	1.68E-03	0.00E+00	1.68E-03	2.92E-04
11262	500784.2	3733616	1.70E-03	0.00E+00	1.70E-03	2.96E-04
11263	500780.4	3733625	1.72E-03	0.00E+00	1.72E-03	2.99E-04
11264	500776.7	3733634	1.74E-03	0.00E+00	1.74E-03	3.03E-04
11265	500773	3733642	1.76E-03	0.00E+00	1.76E-03	3.06E-04
11266	500769.3	3733651	1.78E-03	0.00E+00	1.78E-03	3.10E-04
11267	500765.6	3733660	1.80E-03	0.00E+00	1.80E-03	3.13E-04
11268	500761.9	3733669	1.82E-03	0.00E+00	1.82E-03	3.17E-04
11269	500758.1	3733678	1.84E-03	0.00E+00	1.84E-03	3.20E-04
11270	500754.4	3733687	1.86E-03	0.00E+00	1.86E-03	3.24E-04
11271	500750.7	3733696	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11272	500747	3733705	1.91E-03	0.00E+00	1.91E-03	3.32E-04
11273	500720.9	3733768	2.07E-03	0.00E+00	2.07E-03	3.60E-04

11274	500717.2	3733777	2.09E-03	0.00E+00	2.09E-03	3.65E-04
11275	500713.5	3733786	2.12E-03	0.00E+00	2.12E-03	3.69E-04
11276	500709.8	3733795	2.17E-03	0.00E+00	2.17E-03	3.78E-04
11277	500706.1	3733804	2.19E-03	0.00E+00	2.19E-03	3.82E-04
11278	500702.3	3733812	2.22E-03	0.00E+00	2.22E-03	3.86E-04
11279	500698.6	3733821	2.24E-03	0.00E+00	2.24E-03	3.90E-04
11280	500694.9	3733830	2.26E-03	0.00E+00	2.26E-03	3.94E-04
11281	500691.2	3733839	2.29E-03	0.00E+00	2.29E-03	3.98E-04
11282	500687.5	3733848	2.28E-03	0.00E+00	2.28E-03	3.98E-04
11283	500683.7	3733857	2.31E-03	0.00E+00	2.31E-03	4.02E-04
11284	500680	3733866	2.36E-03	0.00E+00	2.36E-03	4.11E-04
11285	500676.3	3733875	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11286	500672.6	3733884	2.40E-03	0.00E+00	2.40E-03	4.19E-04
11287	500668.9	3733893	2.42E-03	0.00E+00	2.42E-03	4.23E-04
11288	500665.1	3733902	2.45E-03	0.00E+00	2.45E-03	4.26E-04
11289	500661.4	3733911	2.47E-03	0.00E+00	2.47E-03	4.30E-04
11290	500650.3	3733938	2.53E-03	0.00E+00	2.53E-03	4.41E-04
11291	500646.5	3733947	2.55E-03	0.00E+00	2.55E-03	4.45E-04
11292	500642.8	3733956	2.57E-03	0.00E+00	2.57E-03	4.48E-04
11293	500586.9	3734001	2.93E-03	0.00E+00	2.93E-03	5.10E-04
11294	500577.9	3734005	2.99E-03	0.00E+00	2.99E-03	5.21E-04
11295	500569	3734008	3.05E-03	0.00E+00	3.05E-03	5.32E-04
11296	500560	3734012	3.12E-03	0.00E+00	3.12E-03	5.43E-04
11297	500551	3734016	3.18E-03	0.00E+00	3.18E-03	5.55E-04
11298	500542.1	3734019	3.25E-03	0.00E+00	3.25E-03	5.66E-04
11299	500533.1	3734023	3.32E-03	0.00E+00	3.32E-03	5.78E-04
11300	500524.2	3734027	3.38E-03	0.00E+00	3.38E-03	5.90E-04
11301	500515.2	3734030	3.45E-03	0.00E+00	3.45E-03	6.01E-04
11302	500506.3	3734034	3.52E-03	0.00E+00	3.52E-03	6.13E-04
11303	500497.3	3734038	3.59E-03	0.00E+00	3.59E-03	6.25E-04
11304	500488.3	3734042	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11305	500479.4	3734045	3.73E-03	0.00E+00	3.73E-03	6.49E-04
11306	500470.4	3734049	3.80E-03	0.00E+00	3.80E-03	6.61E-04
11307	500461.5	3734053	3.87E-03	0.00E+00	3.87E-03	6.74E-04
11308	500452.5	3734056	3.93E-03	0.00E+00	3.93E-03	6.86E-04
11309	500443.5	3734060	4.00E-03	0.00E+00	4.00E-03	6.98E-04
11310	500434.6	3734064	4.07E-03	0.00E+00	4.07E-03	7.10E-04
11311	500425.6	3734067	4.14E-03	0.00E+00	4.14E-03	7.22E-04
11312	500416.7	3734071	4.21E-03	0.00E+00	4.21E-03	7.34E-04
11313	500407.7	3734075	4.28E-03	0.00E+00	4.28E-03	7.46E-04
11314	500398.7	3734078	4.35E-03	0.00E+00	4.35E-03	7.57E-04
11315	500389.8	3734082	4.41E-03	0.00E+00	4.41E-03	7.69E-04
11316	500380.8	3734086	4.48E-03	0.00E+00	4.48E-03	7.81E-04
11317	500371.9	3734090	4.55E-03	0.00E+00	4.55E-03	7.92E-04
11318	500362.9	3734093	4.61E-03	0.00E+00	4.61E-03	8.03E-04
11319	500354	3734097	4.67E-03	0.00E+00	4.67E-03	8.14E-04
11320	500345	3734101	4.74E-03	0.00E+00	4.74E-03	8.25E-04

11321	500336	3734104	4.80E-03	0.00E+00	4.80E-03	8.36E-04
11322	500327.1	3734108	4.86E-03	0.00E+00	4.86E-03	8.47E-04
11323	500318.1	3734112	4.92E-03	0.00E+00	4.92E-03	8.57E-04
11324	500309.2	3734115	4.98E-03	0.00E+00	4.98E-03	8.68E-04
11325	500300.2	3734119	5.04E-03	0.00E+00	5.04E-03	8.78E-04
11326	500291.2	3734123	5.09E-03	0.00E+00	5.09E-03	8.87E-04
11327	500282.3	3734126	5.15E-03	0.00E+00	5.15E-03	8.97E-04
11328	500273.3	3734130	5.20E-03	0.00E+00	5.20E-03	9.06E-04
11329	500264.4	3734134	5.25E-03	0.00E+00	5.25E-03	9.15E-04
11330	500813.9	3733544	1.56E-03	0.00E+00	1.56E-03	2.71E-04
11331	500813.9	3733534	1.55E-03	0.00E+00	1.55E-03	2.71E-04
11332	500813.9	3733525	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11333	500814	3733515	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11334	500814	3733505	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11335	500814	3733495	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11336	500814	3733486	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11337	500814	3733476	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11338	500814	3733466	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11339	500814	3733457	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11340	500814	3733447	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11341	500814	3733437	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11342	500814	3733427	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11343	500814.1	3733418	1.55E-03	0.00E+00	1.55E-03	2.71E-04
11344	500814.1	3733408	1.55E-03	0.00E+00	1.55E-03	2.71E-04
11345	500814.1	3733398	1.56E-03	0.00E+00	1.56E-03	2.71E-04
11346	500814.1	3733388	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11347	500814.1	3733340	1.58E-03	0.00E+00	1.58E-03	2.75E-04
11348	500814.1	3733330	1.59E-03	0.00E+00	1.59E-03	2.76E-04
11349	500814.2	3733320	1.59E-03	0.00E+00	1.59E-03	2.78E-04
11350	500814.2	3733311	1.60E-03	0.00E+00	1.60E-03	2.79E-04
11351	500814.2	3733301	1.64E-03	0.00E+00	1.64E-03	2.87E-04
11352	500814.2	3733291	1.65E-03	0.00E+00	1.65E-03	2.88E-04
11353	500814.2	3733281	1.66E-03	0.00E+00	1.66E-03	2.89E-04
11354	500814.2	3733272	1.67E-03	0.00E+00	1.67E-03	2.91E-04
11355	500814.2	3733262	1.68E-03	0.00E+00	1.68E-03	2.93E-04
11356	500814.2	3733252	1.69E-03	0.00E+00	1.69E-03	2.94E-04
11357	500814.2	3733243	1.70E-03	0.00E+00	1.70E-03	2.96E-04
11358	500814.2	3733233	1.71E-03	0.00E+00	1.71E-03	2.98E-04
11359	500814.3	3733223	1.72E-03	0.00E+00	1.72E-03	3.00E-04
11360	500814.3	3733213	1.73E-03	0.00E+00	1.73E-03	3.02E-04
11361	500814.3	3733204	1.75E-03	0.00E+00	1.75E-03	3.04E-04
11362	500850.2	3733553	1.43E-03	0.00E+00	1.43E-03	2.50E-04
11363	500846.5	3733562	1.45E-03	0.00E+00	1.45E-03	2.52E-04
11364	500842.7	3733571	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11365	500839	3733580	1.48E-03	0.00E+00	1.48E-03	2.57E-04
11366	500835.3	3733589	1.49E-03	0.00E+00	1.49E-03	2.60E-04
11367	500831.5	3733598	1.51E-03	0.00E+00	1.51E-03	2.63E-04

11368	500827.8	3733607	1.52E-03	0.00E+00	1.52E-03	2.66E-04
11369	500824.1	3733616	1.54E-03	0.00E+00	1.54E-03	2.68E-04
11370	500820.3	3733625	1.56E-03	0.00E+00	1.56E-03	2.71E-04
11371	500816.6	3733634	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11372	500812.9	3733643	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11373	500809.2	3733652	1.61E-03	0.00E+00	1.61E-03	2.80E-04
11374	500805.4	3733661	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11375	500801.7	3733670	1.65E-03	0.00E+00	1.65E-03	2.87E-04
11376	500798	3733679	1.66E-03	0.00E+00	1.66E-03	2.90E-04
11377	500794.2	3733688	1.68E-03	0.00E+00	1.68E-03	2.93E-04
11378	500790.5	3733697	1.70E-03	0.00E+00	1.70E-03	2.97E-04
11379	500786.8	3733706	1.72E-03	0.00E+00	1.72E-03	3.00E-04
11380	500760.7	3733768	1.86E-03	0.00E+00	1.86E-03	3.25E-04
11381	500756.9	3733777	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11382	500753.2	3733786	1.90E-03	0.00E+00	1.90E-03	3.32E-04
11383	500749.5	3733795	1.93E-03	0.00E+00	1.93E-03	3.36E-04
11384	500745.7	3733804	1.95E-03	0.00E+00	1.95E-03	3.39E-04
11385	500742	3733813	1.97E-03	0.00E+00	1.97E-03	3.43E-04
11386	500738.3	3733822	1.99E-03	0.00E+00	1.99E-03	3.47E-04
11387	500734.5	3733831	2.01E-03	0.00E+00	2.01E-03	3.50E-04
11388	500730.8	3733840	2.03E-03	0.00E+00	2.03E-03	3.54E-04
11389	500727.1	3733849	2.05E-03	0.00E+00	2.05E-03	3.58E-04
11390	500723.3	3733858	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11391	500719.6	3733867	2.10E-03	0.00E+00	2.10E-03	3.65E-04
11392	500715.9	3733876	2.12E-03	0.00E+00	2.12E-03	3.69E-04
11393	500712.1	3733885	2.14E-03	0.00E+00	2.14E-03	3.72E-04
11394	500708.4	3733894	2.16E-03	0.00E+00	2.16E-03	3.76E-04
11395	500704.7	3733903	2.18E-03	0.00E+00	2.18E-03	3.80E-04
11396	500701	3733912	2.20E-03	0.00E+00	2.20E-03	3.83E-04
11397	500697.2	3733921	2.22E-03	0.00E+00	2.22E-03	3.87E-04
11398	500693.5	3733930	2.24E-03	0.00E+00	2.24E-03	3.91E-04
11399	500689.8	3733939	2.26E-03	0.00E+00	2.26E-03	3.94E-04
11400	500686	3733948	2.28E-03	0.00E+00	2.28E-03	3.97E-04
11401	500615	3734029	2.70E-03	0.00E+00	2.70E-03	4.70E-04
11402	500588	3734040	2.87E-03	0.00E+00	2.87E-03	5.00E-04
11403	500579	3734044	2.93E-03	0.00E+00	2.93E-03	5.10E-04
11404	500570	3734048	2.98E-03	0.00E+00	2.98E-03	5.20E-04
11405	500561.1	3734052	3.04E-03	0.00E+00	3.04E-03	5.30E-04
11406	500552.1	3734055	3.10E-03	0.00E+00	3.10E-03	5.41E-04
11407	500543.1	3734059	3.16E-03	0.00E+00	3.16E-03	5.51E-04
11408	500534.1	3734063	3.22E-03	0.00E+00	3.22E-03	5.62E-04
11409	500525.1	3734066	3.29E-03	0.00E+00	3.29E-03	5.73E-04
11410	500516.1	3734070	3.35E-03	0.00E+00	3.35E-03	5.83E-04
11411	500507.1	3734074	3.41E-03	0.00E+00	3.41E-03	5.94E-04
11412	500498.2	3734077	3.47E-03	0.00E+00	3.47E-03	6.05E-04
11413	500489.2	3734081	3.53E-03	0.00E+00	3.53E-03	6.16E-04
11414	500480.2	3734085	3.60E-03	0.00E+00	3.60E-03	6.27E-04

11415	500471.2	3734089	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11416	500462.2	3734092	3.72E-03	0.00E+00	3.72E-03	6.48E-04
11417	500453.2	3734096	3.78E-03	0.00E+00	3.78E-03	6.59E-04
11418	500444.2	3734100	3.84E-03	0.00E+00	3.84E-03	6.70E-04
11419	500435.3	3734103	3.91E-03	0.00E+00	3.91E-03	6.80E-04
11420	500426.3	3734107	3.97E-03	0.00E+00	3.97E-03	6.91E-04
11421	500417.3	3734111	4.03E-03	0.00E+00	4.03E-03	7.02E-04
11422	500408.3	3734115	4.09E-03	0.00E+00	4.09E-03	7.12E-04
11423	500399.3	3734118	4.15E-03	0.00E+00	4.15E-03	7.22E-04
11424	500390.3	3734122	4.21E-03	0.00E+00	4.21E-03	7.33E-04
11425	500381.3	3734126	4.26E-03	0.00E+00	4.26E-03	7.43E-04
11426	500372.3	3734129	4.32E-03	0.00E+00	4.32E-03	7.53E-04
11427	500363.4	3734133	4.38E-03	0.00E+00	4.38E-03	7.63E-04
11428	500282.5	3734166	4.84E-03	0.00E+00	4.84E-03	8.44E-04
11429	500273.5	3734170	4.89E-03	0.00E+00	4.89E-03	8.52E-04
11430	500264.5	3734174	4.93E-03	0.00E+00	4.93E-03	8.60E-04
11431	500255.5	3734177	4.98E-03	0.00E+00	4.98E-03	8.67E-04
11432	500246.5	3734181	5.02E-03	0.00E+00	5.02E-03	8.74E-04
11433	500237.6	3734185	5.06E-03	0.00E+00	5.06E-03	8.81E-04
11434	500228.6	3734189	5.10E-03	0.00E+00	5.10E-03	8.88E-04
11435	500219.6	3734192	5.13E-03	0.00E+00	5.13E-03	8.95E-04
11436	500853.9	3733544	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11437	500853.9	3733534	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11438	500853.9	3733525	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11439	500854	3733515	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11440	500854	3733505	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11441	500854	3733495	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11442	500854	3733486	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11443	500854	3733476	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11444	500854	3733466	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11445	500854	3733457	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11446	500854	3733447	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11447	500854	3733437	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11448	500854	3733427	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11449	500854.1	3733418	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11450	500854.1	3733408	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11451	500854.1	3733359	1.43E-03	0.00E+00	1.43E-03	2.49E-04
11452	500854.1	3733350	1.44E-03	0.00E+00	1.44E-03	2.50E-04
11453	500854.1	3733340	1.44E-03	0.00E+00	1.44E-03	2.51E-04
11454	500854.1	3733330	1.44E-03	0.00E+00	1.44E-03	2.52E-04
11455	500854.2	3733320	1.45E-03	0.00E+00	1.45E-03	2.53E-04
11456	500854.2	3733311	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11457	500854.2	3733301	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11458	500854.2	3733291	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11459	500854.2	3733282	1.48E-03	0.00E+00	1.48E-03	2.57E-04
11460	500854.2	3733272	1.48E-03	0.00E+00	1.48E-03	2.58E-04
11461	500854.2	3733262	1.49E-03	0.00E+00	1.49E-03	2.60E-04

11462	500854.2	3733252	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11463	500854.2	3733243	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11464	500854.2	3733233	1.52E-03	0.00E+00	1.52E-03	2.64E-04
11465	500854.3	3733223	1.53E-03	0.00E+00	1.53E-03	2.66E-04
11466	500854.3	3733213	1.58E-03	0.00E+00	1.58E-03	2.74E-04
11467	500854.3	3733204	1.59E-03	0.00E+00	1.59E-03	2.76E-04
11468	500890.3	3733553	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11469	500886.6	3733562	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11470	500882.9	3733571	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11471	500879.2	3733579	1.35E-03	0.00E+00	1.35E-03	2.36E-04
11472	500875.6	3733588	1.36E-03	0.00E+00	1.36E-03	2.38E-04
11473	500871.9	3733597	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11474	500868.2	3733606	1.39E-03	0.00E+00	1.39E-03	2.42E-04
11475	500864.5	3733615	1.41E-03	0.00E+00	1.41E-03	2.45E-04
11476	500860.9	3733624	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11477	500857.2	3733633	1.43E-03	0.00E+00	1.43E-03	2.50E-04
11478	500853.5	3733641	1.45E-03	0.00E+00	1.45E-03	2.52E-04
11479	500849.8	3733650	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11480	500846.2	3733659	1.48E-03	0.00E+00	1.48E-03	2.58E-04
11481	500842.5	3733668	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11482	500838.8	3733677	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11483	500835.1	3733686	1.53E-03	0.00E+00	1.53E-03	2.66E-04
11484	500831.5	3733694	1.54E-03	0.00E+00	1.54E-03	2.69E-04
11485	500827.8	3733703	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11486	500824.1	3733712	1.58E-03	0.00E+00	1.58E-03	2.75E-04
11487	500820.4	3733721	1.59E-03	0.00E+00	1.59E-03	2.78E-04
11488	500816.8	3733730	1.61E-03	0.00E+00	1.61E-03	2.81E-04
11489	500794.7	3733783	1.72E-03	0.00E+00	1.72E-03	2.99E-04
11490	500791	3733792	1.74E-03	0.00E+00	1.74E-03	3.02E-04
11491	500787.4	3733800	1.75E-03	0.00E+00	1.75E-03	3.06E-04
11492	500783.7	3733809	1.77E-03	0.00E+00	1.77E-03	3.09E-04
11493	500780	3733818	1.79E-03	0.00E+00	1.79E-03	3.12E-04
11494	500776.3	3733827	1.81E-03	0.00E+00	1.81E-03	3.15E-04
11495	500772.7	3733836	1.83E-03	0.00E+00	1.83E-03	3.19E-04
11496	500769	3733845	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11497	500765.3	3733853	1.87E-03	0.00E+00	1.87E-03	3.25E-04
11498	500761.6	3733862	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11499	500758	3733871	1.90E-03	0.00E+00	1.90E-03	3.31E-04
11500	500754.3	3733880	1.92E-03	0.00E+00	1.92E-03	3.35E-04
11501	500750.6	3733889	1.94E-03	0.00E+00	1.94E-03	3.38E-04
11502	500746.9	3733898	1.96E-03	0.00E+00	1.96E-03	3.41E-04
11503	500743.3	3733907	1.98E-03	0.00E+00	1.98E-03	3.44E-04
11504	500739.6	3733915	1.99E-03	0.00E+00	1.99E-03	3.48E-04
11505	500735.9	3733924	2.01E-03	0.00E+00	2.01E-03	3.51E-04
11506	500732.2	3733933	2.03E-03	0.00E+00	2.03E-03	3.54E-04
11507	500728.6	3733942	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11508	500724.9	3733951	2.07E-03	0.00E+00	2.07E-03	3.60E-04

11509	500679.3	3734043	2.28E-03	0.00E+00	2.28E-03	3.97E-04
11510	500670.5	3734046	2.33E-03	0.00E+00	2.33E-03	4.05E-04
11511	500661.6	3734050	2.37E-03	0.00E+00	2.37E-03	4.13E-04
11512	500652.8	3734054	2.42E-03	0.00E+00	2.42E-03	4.22E-04
11513	500643.9	3734057	2.47E-03	0.00E+00	2.47E-03	4.30E-04
11514	500635.1	3734061	2.52E-03	0.00E+00	2.52E-03	4.39E-04
11515	500626.2	3734065	2.57E-03	0.00E+00	2.57E-03	4.48E-04
11516	500617.4	3734068	2.62E-03	0.00E+00	2.62E-03	4.57E-04
11517	500590.8	3734079	2.78E-03	0.00E+00	2.78E-03	4.84E-04
11518	500582	3734083	2.85E-03	0.00E+00	2.85E-03	4.96E-04
11519	500573.1	3734087	2.90E-03	0.00E+00	2.90E-03	5.05E-04
11520	500564.3	3734090	2.95E-03	0.00E+00	2.95E-03	5.15E-04
11521	500555.4	3734094	3.01E-03	0.00E+00	3.01E-03	5.24E-04
11522	500546.6	3734097	3.06E-03	0.00E+00	3.06E-03	5.33E-04
11523	500537.7	3734101	3.12E-03	0.00E+00	3.12E-03	5.43E-04
11524	500528.9	3734105	3.17E-03	0.00E+00	3.17E-03	5.52E-04
11525	500520	3734108	3.22E-03	0.00E+00	3.22E-03	5.62E-04
11526	500511.2	3734112	3.28E-03	0.00E+00	3.28E-03	5.71E-04
11527	500502.3	3734116	3.33E-03	0.00E+00	3.33E-03	5.81E-04
11528	500493.5	3734119	3.39E-03	0.00E+00	3.39E-03	5.91E-04
11529	500484.6	3734123	3.44E-03	0.00E+00	3.44E-03	6.00E-04
11530	500475.7	3734127	3.50E-03	0.00E+00	3.50E-03	6.10E-04
11531	500466.9	3734130	3.55E-03	0.00E+00	3.55E-03	6.19E-04
11532	500458	3734134	3.61E-03	0.00E+00	3.61E-03	6.29E-04
11533	500378.4	3734167	4.08E-03	0.00E+00	4.08E-03	7.11E-04
11534	500369.5	3734170	4.13E-03	0.00E+00	4.13E-03	7.19E-04
11535	500360.7	3734174	4.18E-03	0.00E+00	4.18E-03	7.28E-04
11536	500351.8	3734178	4.23E-03	0.00E+00	4.23E-03	7.36E-04
11537	500343	3734181	4.27E-03	0.00E+00	4.27E-03	7.44E-04
11538	500334.1	3734185	4.32E-03	0.00E+00	4.32E-03	7.52E-04
11539	500325.3	3734189	4.36E-03	0.00E+00	4.36E-03	7.60E-04
11540	500316.4	3734192	4.41E-03	0.00E+00	4.41E-03	7.68E-04
11541	500307.6	3734196	4.45E-03	0.00E+00	4.45E-03	7.75E-04
11542	500298.7	3734200	4.49E-03	0.00E+00	4.49E-03	7.83E-04
11543	500289.9	3734203	4.53E-03	0.00E+00	4.53E-03	7.90E-04
11544	500281	3734207	4.57E-03	0.00E+00	4.57E-03	7.97E-04
11545	500272.2	3734211	4.61E-03	0.00E+00	4.61E-03	8.04E-04
11546	500263.3	3734214	4.65E-03	0.00E+00	4.65E-03	8.10E-04
11547	500254.5	3734218	4.69E-03	0.00E+00	4.69E-03	8.17E-04
11548	500245.6	3734222	4.72E-03	0.00E+00	4.72E-03	8.23E-04
11549	500236.8	3734225	4.76E-03	0.00E+00	4.76E-03	8.29E-04
11550	500227.9	3734229	4.79E-03	0.00E+00	4.79E-03	8.34E-04
11551	500219.1	3734232	4.82E-03	0.00E+00	4.82E-03	8.40E-04
11552	500893.9	3733544	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11553	500893.9	3733534	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11554	500893.9	3733525	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11555	500894	3733515	1.30E-03	0.00E+00	1.30E-03	2.26E-04

11556	500894	3733505	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11557	500894	3733496	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11558	500894	3733486	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11559	500894	3733476	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11560	500894	3733466	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11561	500894	3733457	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11562	500894	3733447	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11563	500894	3733437	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11564	500894	3733427	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11565	500894.1	3733379	1.31E-03	0.00E+00	1.31E-03	2.28E-04
11566	500894.1	3733369	1.31E-03	0.00E+00	1.31E-03	2.28E-04
11567	500894.1	3733359	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11568	500894.1	3733350	1.32E-03	0.00E+00	1.32E-03	2.30E-04
11569	500894.1	3733340	1.32E-03	0.00E+00	1.32E-03	2.30E-04
11570	500894.1	3733330	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11571	500894.2	3733320	1.33E-03	0.00E+00	1.33E-03	2.32E-04
11572	500894.2	3733311	1.33E-03	0.00E+00	1.33E-03	2.33E-04
11573	500894.2	3733301	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11574	500894.2	3733291	1.35E-03	0.00E+00	1.35E-03	2.34E-04
11575	500894.2	3733282	1.35E-03	0.00E+00	1.35E-03	2.35E-04
11576	500894.2	3733272	1.36E-03	0.00E+00	1.36E-03	2.37E-04
11577	500894.2	3733262	1.36E-03	0.00E+00	1.36E-03	2.38E-04
11578	500894.2	3733252	1.37E-03	0.00E+00	1.37E-03	2.39E-04
11579	500894.2	3733243	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11580	500894.2	3733233	1.39E-03	0.00E+00	1.39E-03	2.41E-04
11581	500894.3	3733223	1.39E-03	0.00E+00	1.39E-03	2.43E-04
11582	500894.3	3733213	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11583	500894.3	3733204	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11584	500930.2	3733553	1.20E-03	0.00E+00	1.20E-03	2.10E-04
11585	500926.6	3733562	1.22E-03	0.00E+00	1.22E-03	2.12E-04
11586	500922.9	3733571	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11587	500919.2	3733580	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11588	500915.5	3733589	1.25E-03	0.00E+00	1.25E-03	2.18E-04
11589	500911.8	3733597	1.26E-03	0.00E+00	1.26E-03	2.20E-04
11590	500908.1	3733606	1.28E-03	0.00E+00	1.28E-03	2.22E-04
11591	500904.4	3733615	1.29E-03	0.00E+00	1.29E-03	2.25E-04
11592	500900.7	3733624	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11593	500897.1	3733633	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11594	500893.4	3733642	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11595	500889.7	3733651	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11596	500886	3733659	1.35E-03	0.00E+00	1.35E-03	2.36E-04
11597	500882.3	3733668	1.37E-03	0.00E+00	1.37E-03	2.38E-04
11598	500878.6	3733677	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11599	500874.9	3733686	1.40E-03	0.00E+00	1.40E-03	2.43E-04
11600	500871.2	3733695	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11601	500867.6	3733704	1.43E-03	0.00E+00	1.43E-03	2.48E-04
11602	500863.9	3733713	1.44E-03	0.00E+00	1.44E-03	2.51E-04

11603	500860.2	3733722	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11604	500856.5	3733730	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11605	500841.8	3733766	1.53E-03	0.00E+00	1.53E-03	2.67E-04
11606	500838.1	3733775	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11607	500834.4	3733784	1.56E-03	0.00E+00	1.56E-03	2.73E-04
11608	500830.7	3733793	1.58E-03	0.00E+00	1.58E-03	2.76E-04
11609	500827	3733801	1.60E-03	0.00E+00	1.60E-03	2.78E-04
11610	500823.3	3733810	1.61E-03	0.00E+00	1.61E-03	2.81E-04
11611	500819.6	3733819	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11612	500815.9	3733828	1.65E-03	0.00E+00	1.65E-03	2.87E-04
11613	500812.3	3733837	1.66E-03	0.00E+00	1.66E-03	2.90E-04
11614	500793.8	3733881	1.75E-03	0.00E+00	1.75E-03	3.04E-04
11615	500790.1	3733890	1.76E-03	0.00E+00	1.76E-03	3.07E-04
11616	500786.4	3733899	1.78E-03	0.00E+00	1.78E-03	3.10E-04
11617	500782.8	3733908	1.80E-03	0.00E+00	1.80E-03	3.13E-04
11618	500779.1	3733917	1.81E-03	0.00E+00	1.81E-03	3.16E-04
11619	500775.4	3733926	1.83E-03	0.00E+00	1.83E-03	3.19E-04
11620	500771.7	3733934	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11621	500768	3733943	1.86E-03	0.00E+00	1.86E-03	3.25E-04
11622	500764.3	3733952	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11623	500727.5	3734041	2.04E-03	0.00E+00	2.04E-03	3.55E-04
11624	500723.8	3734050	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11625	500720.1	3734059	2.07E-03	0.00E+00	2.07E-03	3.60E-04
11626	500707.5	3734071	2.12E-03	0.00E+00	2.12E-03	3.70E-04
11627	500698.6	3734075	2.16E-03	0.00E+00	2.16E-03	3.77E-04
11628	500689.8	3734078	2.21E-03	0.00E+00	2.21E-03	3.84E-04
11629	500680.9	3734082	2.25E-03	0.00E+00	2.25E-03	3.92E-04
11630	500672	3734086	2.29E-03	0.00E+00	2.29E-03	3.99E-04
11631	500663.1	3734089	2.34E-03	0.00E+00	2.34E-03	4.07E-04
11632	500654.2	3734093	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11633	500645.4	3734097	2.43E-03	0.00E+00	2.43E-03	4.23E-04
11634	500636.5	3734100	2.47E-03	0.00E+00	2.47E-03	4.31E-04
11635	500627.6	3734104	2.52E-03	0.00E+00	2.52E-03	4.39E-04
11636	500618.7	3734108	2.57E-03	0.00E+00	2.57E-03	4.47E-04
11637	500592.1	3734119	2.72E-03	0.00E+00	2.72E-03	4.73E-04
11638	500583.2	3734122	2.76E-03	0.00E+00	2.76E-03	4.82E-04
11639	500574.3	3734126	2.81E-03	0.00E+00	2.81E-03	4.90E-04
11640	500565.4	3734130	2.86E-03	0.00E+00	2.86E-03	4.99E-04
11641	500556.6	3734133	2.92E-03	0.00E+00	2.92E-03	5.09E-04
11642	500476.6	3734166	3.37E-03	0.00E+00	3.37E-03	5.87E-04
11643	500467.8	3734170	3.42E-03	0.00E+00	3.42E-03	5.96E-04
11644	500458.9	3734174	3.47E-03	0.00E+00	3.47E-03	6.04E-04
11645	500450	3734177	3.52E-03	0.00E+00	3.52E-03	6.12E-04
11646	500441.1	3734181	3.56E-03	0.00E+00	3.56E-03	6.21E-04
11647	500432.2	3734185	3.61E-03	0.00E+00	3.61E-03	6.29E-04
11648	500423.3	3734188	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11649	500414.5	3734192	3.70E-03	0.00E+00	3.70E-03	6.45E-04

11650	500405.6	3734196	3.75E-03	0.00E+00	3.75E-03	6.53E-04
11651	500396.7	3734199	3.80E-03	0.00E+00	3.80E-03	6.61E-04
11652	500387.8	3734203	3.84E-03	0.00E+00	3.84E-03	6.69E-04
11653	500378.9	3734207	3.89E-03	0.00E+00	3.89E-03	6.77E-04
11654	500370.1	3734210	3.93E-03	0.00E+00	3.93E-03	6.85E-04
11655	500361.2	3734214	3.97E-03	0.00E+00	3.97E-03	6.92E-04
11656	500352.3	3734218	4.01E-03	0.00E+00	4.01E-03	6.99E-04
11657	500343.4	3734221	4.05E-03	0.00E+00	4.05E-03	7.06E-04
11658	500334.5	3734225	4.09E-03	0.00E+00	4.09E-03	7.13E-04
11659	500325.7	3734228	4.13E-03	0.00E+00	4.13E-03	7.20E-04
11660	500316.8	3734232	4.17E-03	0.00E+00	4.17E-03	7.27E-04
11661	500307.9	3734236	4.21E-03	0.00E+00	4.21E-03	7.34E-04
11662	500299	3734239	4.25E-03	0.00E+00	4.25E-03	7.40E-04
11663	500290.1	3734243	4.28E-03	0.00E+00	4.28E-03	7.46E-04
11664	500281.3	3734247	4.32E-03	0.00E+00	4.32E-03	7.52E-04
11665	500272.4	3734250	4.35E-03	0.00E+00	4.35E-03	7.58E-04
11666	500263.5	3734254	4.38E-03	0.00E+00	4.38E-03	7.64E-04
11667	500254.6	3734258	4.42E-03	0.00E+00	4.42E-03	7.69E-04
11668	500245.7	3734261	4.45E-03	0.00E+00	4.45E-03	7.75E-04
11669	500236.9	3734265	4.48E-03	0.00E+00	4.48E-03	7.80E-04
11670	500228	3734269	4.51E-03	0.00E+00	4.51E-03	7.85E-04
11671	500219.1	3734272	4.53E-03	0.00E+00	4.53E-03	7.90E-04
11672	500933.9	3733544	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11673	500933.9	3733534	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11674	500933.9	3733525	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11675	500934	3733515	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11676	500934	3733505	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11677	500934	3733496	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11678	500934	3733486	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11679	500934	3733476	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11680	500934	3733466	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11681	500934	3733457	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11682	500934	3733447	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11683	500934.1	3733398	1.20E-03	0.00E+00	1.20E-03	2.09E-04
11684	500934.1	3733389	1.20E-03	0.00E+00	1.20E-03	2.10E-04
11685	500934.1	3733379	1.21E-03	0.00E+00	1.21E-03	2.10E-04
11686	500934.1	3733369	1.21E-03	0.00E+00	1.21E-03	2.11E-04
11687	500934.1	3733359	1.21E-03	0.00E+00	1.21E-03	2.11E-04
11688	500934.1	3733350	1.21E-03	0.00E+00	1.21E-03	2.12E-04
11689	500934.1	3733340	1.22E-03	0.00E+00	1.22E-03	2.12E-04
11690	500934.1	3733330	1.22E-03	0.00E+00	1.22E-03	2.13E-04
11691	500934.2	3733321	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11692	500934.2	3733311	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11693	500934.2	3733301	1.23E-03	0.00E+00	1.23E-03	2.15E-04
11694	500934.2	3733291	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11695	500934.2	3733282	1.24E-03	0.00E+00	1.24E-03	2.17E-04
11696	500934.2	3733272	1.25E-03	0.00E+00	1.25E-03	2.18E-04

11697	500934.2	3733262	1.26E-03	0.00E+00	1.26E-03	2.19E-04
11698	500934.2	3733252	1.26E-03	0.00E+00	1.26E-03	2.20E-04
11699	500934.2	3733243	1.27E-03	0.00E+00	1.27E-03	2.21E-04
11700	500934.2	3733233	1.27E-03	0.00E+00	1.27E-03	2.22E-04
11701	500934.3	3733223	1.28E-03	0.00E+00	1.28E-03	2.23E-04
11702	500934.3	3733214	1.29E-03	0.00E+00	1.29E-03	2.24E-04
11703	500934.3	3733204	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11704	500970.2	3733553	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11705	500966.5	3733562	1.12E-03	0.00E+00	1.12E-03	1.96E-04
11706	500962.8	3733571	1.13E-03	0.00E+00	1.13E-03	1.97E-04
11707	500959.1	3733580	1.14E-03	0.00E+00	1.14E-03	1.99E-04
11708	500955.4	3733589	1.15E-03	0.00E+00	1.15E-03	2.01E-04
11709	500951.7	3733598	1.16E-03	0.00E+00	1.16E-03	2.03E-04
11710	500948	3733606	1.17E-03	0.00E+00	1.17E-03	2.05E-04
11711	500944.3	3733615	1.18E-03	0.00E+00	1.18E-03	2.06E-04
11712	500940.6	3733624	1.20E-03	0.00E+00	1.20E-03	2.08E-04
11713	500936.9	3733633	1.21E-03	0.00E+00	1.21E-03	2.10E-04
11714	500933.2	3733642	1.22E-03	0.00E+00	1.22E-03	2.12E-04
11715	500929.5	3733651	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11716	500925.8	3733660	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11717	500922.2	3733669	1.25E-03	0.00E+00	1.25E-03	2.18E-04
11718	500918.5	3733678	1.27E-03	0.00E+00	1.27E-03	2.21E-04
11719	500914.8	3733687	1.28E-03	0.00E+00	1.28E-03	2.23E-04
11720	500911.1	3733695	1.29E-03	0.00E+00	1.29E-03	2.25E-04
11721	500907.4	3733704	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11722	500903.7	3733713	1.32E-03	0.00E+00	1.32E-03	2.29E-04
11723	500900	3733722	1.33E-03	0.00E+00	1.33E-03	2.32E-04
11724	500896.3	3733731	1.34E-03	0.00E+00	1.34E-03	2.34E-04
11725	500881.5	3733767	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11726	500877.8	3733776	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11727	500874.1	3733784	1.43E-03	0.00E+00	1.43E-03	2.49E-04
11728	500870.4	3733793	1.44E-03	0.00E+00	1.44E-03	2.51E-04
11729	500866.7	3733802	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11730	500863	3733811	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11731	500859.3	3733820	1.48E-03	0.00E+00	1.48E-03	2.59E-04
11732	500855.6	3733829	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11733	500851.9	3733838	1.52E-03	0.00E+00	1.52E-03	2.64E-04
11734	500848.2	3733847	1.53E-03	0.00E+00	1.53E-03	2.67E-04
11735	500844.5	3733856	1.55E-03	0.00E+00	1.55E-03	2.69E-04
11736	500840.8	3733864	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11737	500837.1	3733873	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11738	500833.4	3733882	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11739	500829.7	3733891	1.60E-03	0.00E+00	1.60E-03	2.79E-04
11740	500826	3733900	1.62E-03	0.00E+00	1.62E-03	2.82E-04
11741	500822.3	3733909	1.64E-03	0.00E+00	1.64E-03	2.85E-04
11742	500818.6	3733918	1.65E-03	0.00E+00	1.65E-03	2.88E-04
11743	500814.9	3733927	1.67E-03	0.00E+00	1.67E-03	2.91E-04

11744	500766.8	3734042	1.86E-03	0.00E+00	1.86E-03	3.24E-04
11745	500763.1	3734051	1.87E-03	0.00E+00	1.87E-03	3.26E-04
11746	500759.4	3734060	1.89E-03	0.00E+00	1.89E-03	3.28E-04
11747	500755.7	3734069	1.90E-03	0.00E+00	1.90E-03	3.31E-04
11748	500752	3734078	1.91E-03	0.00E+00	1.91E-03	3.34E-04
11749	500748.3	3734087	1.93E-03	0.00E+00	1.93E-03	3.36E-04
11750	500735.7	3734099	1.98E-03	0.00E+00	1.98E-03	3.45E-04
11751	500726.8	3734103	2.02E-03	0.00E+00	2.02E-03	3.51E-04
11752	500717.9	3734107	2.05E-03	0.00E+00	2.05E-03	3.58E-04
11753	500709	3734110	2.09E-03	0.00E+00	2.09E-03	3.65E-04
11754	500700.1	3734114	2.13E-03	0.00E+00	2.13E-03	3.72E-04
11755	500691.2	3734118	2.17E-03	0.00E+00	2.17E-03	3.79E-04
11756	500682.3	3734121	2.22E-03	0.00E+00	2.22E-03	3.86E-04
11757	500673.4	3734125	2.26E-03	0.00E+00	2.26E-03	3.93E-04
11758	500664.5	3734129	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11759	500655.6	3734132	2.34E-03	0.00E+00	2.34E-03	4.08E-04
11760	500646.7	3734136	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11761	500566.5	3734169	2.79E-03	0.00E+00	2.79E-03	4.85E-04
11762	500557.6	3734173	2.84E-03	0.00E+00	2.84E-03	4.95E-04
11763	500548.7	3734177	2.88E-03	0.00E+00	2.88E-03	5.01E-04
11764	500539.8	3734180	2.92E-03	0.00E+00	2.92E-03	5.09E-04
11765	500530.9	3734184	2.98E-03	0.00E+00	2.98E-03	5.19E-04
11766	500522	3734188	3.02E-03	0.00E+00	3.02E-03	5.26E-04
11767	500513	3734191	3.07E-03	0.00E+00	3.07E-03	5.34E-04
11768	500504.1	3734195	3.11E-03	0.00E+00	3.11E-03	5.42E-04
11769	500495.2	3734199	3.16E-03	0.00E+00	3.16E-03	5.50E-04
11770	500486.3	3734202	3.20E-03	0.00E+00	3.20E-03	5.58E-04
11771	500477.4	3734206	3.24E-03	0.00E+00	3.24E-03	5.65E-04
11772	500468.5	3734210	3.29E-03	0.00E+00	3.29E-03	5.73E-04
11773	500459.6	3734213	3.33E-03	0.00E+00	3.33E-03	5.80E-04
11774	500450.7	3734217	3.37E-03	0.00E+00	3.37E-03	5.88E-04
11775	500441.8	3734221	3.42E-03	0.00E+00	3.42E-03	5.95E-04
11776	500432.9	3734224	3.46E-03	0.00E+00	3.46E-03	6.03E-04
11777	500424	3734228	3.50E-03	0.00E+00	3.50E-03	6.10E-04
11778	500415.1	3734232	3.54E-03	0.00E+00	3.54E-03	6.17E-04
11779	500406.2	3734235	3.58E-03	0.00E+00	3.58E-03	6.24E-04
11780	500397.3	3734239	3.62E-03	0.00E+00	3.62E-03	6.31E-04
11781	500388.3	3734243	3.66E-03	0.00E+00	3.66E-03	6.38E-04
11782	500379.4	3734246	3.70E-03	0.00E+00	3.70E-03	6.45E-04
11783	500370.5	3734250	3.74E-03	0.00E+00	3.74E-03	6.52E-04
11784	500361.6	3734254	3.78E-03	0.00E+00	3.78E-03	6.59E-04
11785	500352.7	3734257	3.82E-03	0.00E+00	3.82E-03	6.65E-04
11786	500343.8	3734261	3.85E-03	0.00E+00	3.85E-03	6.71E-04
11787	500334.9	3734265	3.89E-03	0.00E+00	3.89E-03	6.77E-04
11788	500326	3734268	3.92E-03	0.00E+00	3.92E-03	6.84E-04
11789	500317.1	3734272	3.96E-03	0.00E+00	3.96E-03	6.89E-04
11790	500308.2	3734276	3.99E-03	0.00E+00	3.99E-03	6.95E-04

11791	500299.3	3734279	4.02E-03	0.00E+00	4.02E-03	7.01E-04
11792	500290.4	3734283	4.05E-03	0.00E+00	4.05E-03	7.06E-04
11793	500281.5	3734287	4.08E-03	0.00E+00	4.08E-03	7.12E-04
11794	500272.5	3734290	4.11E-03	0.00E+00	4.11E-03	7.17E-04
11795	500263.6	3734294	4.14E-03	0.00E+00	4.14E-03	7.22E-04
11796	500254.7	3734298	4.17E-03	0.00E+00	4.17E-03	7.27E-04
11797	500245.8	3734301	4.20E-03	0.00E+00	4.20E-03	7.31E-04
11798	500236.9	3734305	4.22E-03	0.00E+00	4.22E-03	7.36E-04
11799	500228	3734309	4.25E-03	0.00E+00	4.25E-03	7.40E-04
11800	500219.1	3734312	4.27E-03	0.00E+00	4.27E-03	7.44E-04
11801	500973.9	3733544	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11802	500973.9	3733534	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11803	500973.9	3733525	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11804	500974	3733515	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11805	500974	3733505	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11806	500974	3733496	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11807	500974	3733486	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11808	500974	3733476	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11809	500974	3733466	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11810	500974	3733457	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11811	500974.1	3733408	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11812	500974.1	3733398	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11813	500974.1	3733389	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11814	500974.1	3733379	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11815	500974.1	3733369	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11816	500974.1	3733359	1.12E-03	0.00E+00	1.12E-03	1.95E-04
11817	500974.1	3733350	1.12E-03	0.00E+00	1.12E-03	1.95E-04
11818	500974.1	3733340	1.12E-03	0.00E+00	1.12E-03	1.96E-04
11819	500974.1	3733330	1.13E-03	0.00E+00	1.13E-03	1.96E-04
11820	500974.2	3733321	1.13E-03	0.00E+00	1.13E-03	1.97E-04
11821	500974.2	3733311	1.14E-03	0.00E+00	1.14E-03	1.98E-04
11822	500974.2	3733301	1.14E-03	0.00E+00	1.14E-03	1.99E-04
11823	500974.2	3733291	1.15E-03	0.00E+00	1.15E-03	2.00E-04
11824	500974.2	3733282	1.15E-03	0.00E+00	1.15E-03	2.00E-04
11825	500974.2	3733272	1.16E-03	0.00E+00	1.16E-03	2.01E-04
11826	500974.2	3733262	1.16E-03	0.00E+00	1.16E-03	2.02E-04
11827	500974.2	3733252	1.17E-03	0.00E+00	1.17E-03	2.03E-04
11828	500974.2	3733243	1.17E-03	0.00E+00	1.17E-03	2.04E-04
11829	500974.2	3733233	1.18E-03	0.00E+00	1.18E-03	2.05E-04
11830	500974.3	3733223	1.18E-03	0.00E+00	1.18E-03	2.06E-04
11831	500974.3	3733214	1.19E-03	0.00E+00	1.19E-03	2.07E-04
11832	500974.3	3733204	1.20E-03	0.00E+00	1.20E-03	2.08E-04
11833	500999.1	3733580	1.06E-03	0.00E+00	1.06E-03	1.85E-04
11834	500995.4	3733589	1.07E-03	0.00E+00	1.07E-03	1.86E-04
11835	500991.7	3733598	1.08E-03	0.00E+00	1.08E-03	1.88E-04
11836	500988	3733607	1.09E-03	0.00E+00	1.09E-03	1.89E-04
11837	500984.3	3733616	1.10E-03	0.00E+00	1.10E-03	1.91E-04

11838	500980.5	3733625	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11839	500976.8	3733633	1.12E-03	0.00E+00	1.12E-03	1.94E-04
11840	500973.1	3733642	1.13E-03	0.00E+00	1.13E-03	1.96E-04
11841	500969.4	3733651	1.14E-03	0.00E+00	1.14E-03	1.98E-04
11842	500965.7	3733660	1.15E-03	0.00E+00	1.15E-03	2.00E-04
11843	500962	3733669	1.16E-03	0.00E+00	1.16E-03	2.02E-04
11844	500958.3	3733678	1.17E-03	0.00E+00	1.17E-03	2.04E-04
11845	500954.6	3733687	1.18E-03	0.00E+00	1.18E-03	2.06E-04
11846	500950.9	3733696	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11847	500947.2	3733705	1.20E-03	0.00E+00	1.20E-03	2.10E-04
11848	500943.5	3733714	1.21E-03	0.00E+00	1.21E-03	2.12E-04
11849	500939.8	3733723	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11850	500936	3733732	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11851	500921.2	3733767	1.29E-03	0.00E+00	1.29E-03	2.24E-04
11852	500917.5	3733776	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11853	500913.8	3733785	1.31E-03	0.00E+00	1.31E-03	2.28E-04
11854	500910.1	3733794	1.32E-03	0.00E+00	1.32E-03	2.31E-04
11855	500906.4	3733803	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11856	500902.7	3733812	1.35E-03	0.00E+00	1.35E-03	2.35E-04
11857	500899	3733821	1.36E-03	0.00E+00	1.36E-03	2.37E-04
11858	500895.3	3733830	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11859	500891.5	3733839	1.39E-03	0.00E+00	1.39E-03	2.42E-04
11860	500887.8	3733848	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11861	500884.1	3733856	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11862	500880.4	3733865	1.43E-03	0.00E+00	1.43E-03	2.49E-04
11863	500876.7	3733874	1.44E-03	0.00E+00	1.44E-03	2.51E-04
11864	500873	3733883	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11865	500869.3	3733892	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11866	500865.6	3733901	1.48E-03	0.00E+00	1.48E-03	2.58E-04
11867	500861.9	3733910	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11868	500858.2	3733919	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11869	500854.5	3733928	1.52E-03	0.00E+00	1.52E-03	2.65E-04
11870	500850.8	3733937	1.54E-03	0.00E+00	1.54E-03	2.68E-04
11871	500847	3733946	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11872	500843.3	3733955	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11873	500839.6	3733964	1.58E-03	0.00E+00	1.58E-03	2.75E-04
11874	500835.9	3733972	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11875	500832.2	3733981	1.60E-03	0.00E+00	1.60E-03	2.80E-04
11876	500828.5	3733990	1.62E-03	0.00E+00	1.62E-03	2.82E-04
11877	500824.8	3733999	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11878	500821.1	3734008	1.65E-03	0.00E+00	1.65E-03	2.87E-04
11879	500817.4	3734017	1.66E-03	0.00E+00	1.66E-03	2.89E-04
11880	500795.1	3734071	1.74E-03	0.00E+00	1.74E-03	3.03E-04
11881	500791.4	3734079	1.75E-03	0.00E+00	1.75E-03	3.05E-04
11882	500787.7	3734088	1.76E-03	0.00E+00	1.76E-03	3.07E-04
11883	500784	3734097	1.78E-03	0.00E+00	1.78E-03	3.09E-04
11884	500780.3	3734106	1.79E-03	0.00E+00	1.79E-03	3.12E-04

11885	500776.6	3734115	1.80E-03	0.00E+00	1.80E-03	3.14E-04
11886	500763.9	3734128	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11887	500755	3734131	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11888	500746.1	3734135	1.92E-03	0.00E+00	1.92E-03	3.34E-04
11889	500665.7	3734168	2.26E-03	0.00E+00	2.26E-03	3.93E-04
11890	500656.8	3734172	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11891	500647.8	3734176	2.34E-03	0.00E+00	2.34E-03	4.07E-04
11892	500638.9	3734179	2.38E-03	0.00E+00	2.38E-03	4.14E-04
11893	500630	3734183	2.42E-03	0.00E+00	2.42E-03	4.21E-04
11894	500621	3734187	2.46E-03	0.00E+00	2.46E-03	4.29E-04
11895	500612.1	3734190	2.50E-03	0.00E+00	2.50E-03	4.36E-04
11896	500585.3	3734201	2.62E-03	0.00E+00	2.62E-03	4.57E-04
11897	500576.4	3734205	2.67E-03	0.00E+00	2.67E-03	4.64E-04
11898	500567.4	3734209	2.71E-03	0.00E+00	2.71E-03	4.72E-04
11899	500558.5	3734212	2.75E-03	0.00E+00	2.75E-03	4.79E-04
11900	500549.6	3734216	2.79E-03	0.00E+00	2.79E-03	4.86E-04
11901	500540.7	3734220	2.83E-03	0.00E+00	2.83E-03	4.94E-04
11902	500531.7	3734224	2.87E-03	0.00E+00	2.87E-03	5.01E-04
11903	500522.8	3734227	2.92E-03	0.00E+00	2.92E-03	5.08E-04
11904	500513.9	3734231	2.96E-03	0.00E+00	2.96E-03	5.15E-04
11905	500504.9	3734235	3.00E-03	0.00E+00	3.00E-03	5.22E-04
11906	500496	3734238	3.04E-03	0.00E+00	3.04E-03	5.30E-04
11907	500487.1	3734242	3.08E-03	0.00E+00	3.08E-03	5.37E-04
11908	500478.1	3734246	3.12E-03	0.00E+00	3.12E-03	5.44E-04
11909	500469.2	3734249	3.16E-03	0.00E+00	3.16E-03	5.51E-04
11910	500460.3	3734253	3.20E-03	0.00E+00	3.20E-03	5.58E-04
11911	500451.3	3734257	3.24E-03	0.00E+00	3.24E-03	5.65E-04
11912	500442.4	3734260	3.28E-03	0.00E+00	3.28E-03	5.71E-04
11913	500433.5	3734264	3.32E-03	0.00E+00	3.32E-03	5.78E-04
11914	500424.5	3734268	3.35E-03	0.00E+00	3.35E-03	5.84E-04
11915	500415.6	3734271	3.39E-03	0.00E+00	3.39E-03	5.91E-04
11916	500406.7	3734275	3.43E-03	0.00E+00	3.43E-03	5.97E-04
11917	500397.7	3734279	3.46E-03	0.00E+00	3.46E-03	6.03E-04
11918	500388.8	3734282	3.50E-03	0.00E+00	3.50E-03	6.09E-04
11919	500379.9	3734286	3.53E-03	0.00E+00	3.53E-03	6.15E-04
11920	500370.9	3734290	3.57E-03	0.00E+00	3.57E-03	6.21E-04
11921	500362	3734293	3.60E-03	0.00E+00	3.60E-03	6.27E-04
11922	500353.1	3734297	3.63E-03	0.00E+00	3.63E-03	6.33E-04
11923	500344.1	3734301	3.67E-03	0.00E+00	3.67E-03	6.39E-04
11924	500335.2	3734304	3.70E-03	0.00E+00	3.70E-03	6.44E-04
11925	500326.3	3734308	3.73E-03	0.00E+00	3.73E-03	6.49E-04
11926	500317.4	3734312	3.76E-03	0.00E+00	3.76E-03	6.55E-04
11927	500308.4	3734316	3.79E-03	0.00E+00	3.79E-03	6.60E-04
11928	500299.5	3734319	3.81E-03	0.00E+00	3.81E-03	6.65E-04
11929	500290.6	3734323	3.84E-03	0.00E+00	3.84E-03	6.69E-04
11930	500281.6	3734327	3.87E-03	0.00E+00	3.87E-03	6.74E-04
11931	500272.7	3734330	3.90E-03	0.00E+00	3.90E-03	6.79E-04

11932	500263.8	3734334	3.92E-03	0.00E+00	3.92E-03	6.83E-04
11933	500254.8	3734338	3.94E-03	0.00E+00	3.94E-03	6.87E-04
11934	500245.9	3734341	3.97E-03	0.00E+00	3.97E-03	6.91E-04
11935	500237	3734345	3.99E-03	0.00E+00	3.99E-03	6.95E-04
11936	500228	3734349	4.01E-03	0.00E+00	4.01E-03	6.99E-04
11937	500219.1	3734352	4.03E-03	0.00E+00	4.03E-03	7.03E-04
11938	501050.2	3733553	9.61E-04	0.00E+00	9.61E-04	1.67E-04
11939	501046.5	3733562	9.69E-04	0.00E+00	9.69E-04	1.69E-04
11940	501042.8	3733571	9.77E-04	0.00E+00	9.77E-04	1.70E-04
11941	501039.1	3733580	9.85E-04	0.00E+00	9.85E-04	1.72E-04
11942	501035.3	3733589	9.93E-04	0.00E+00	9.93E-04	1.73E-04
11943	501031.6	3733598	1.00E-03	0.00E+00	1.00E-03	1.74E-04
11944	501027.9	3733607	1.01E-03	0.00E+00	1.01E-03	1.76E-04
11945	501024.2	3733616	1.02E-03	0.00E+00	1.02E-03	1.77E-04
11946	500994.4	3733687	1.09E-03	0.00E+00	1.09E-03	1.90E-04
11947	500990.7	3733696	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11948	500987	3733705	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11949	500983.3	3733714	1.12E-03	0.00E+00	1.12E-03	1.96E-04
11950	500979.6	3733723	1.13E-03	0.00E+00	1.13E-03	1.98E-04
11951	500975.9	3733732	1.14E-03	0.00E+00	1.14E-03	1.99E-04
11952	500961	3733768	1.19E-03	0.00E+00	1.19E-03	2.07E-04
11953	500957.3	3733777	1.20E-03	0.00E+00	1.20E-03	2.09E-04
11954	500953.5	3733786	1.21E-03	0.00E+00	1.21E-03	2.11E-04
11955	500949.8	3733795	1.22E-03	0.00E+00	1.22E-03	2.13E-04
11956	500946.1	3733804	1.23E-03	0.00E+00	1.23E-03	2.15E-04
11957	500942.4	3733813	1.24E-03	0.00E+00	1.24E-03	2.17E-04
11958	500938.7	3733822	1.26E-03	0.00E+00	1.26E-03	2.19E-04
11959	500935	3733830	1.27E-03	0.00E+00	1.27E-03	2.21E-04
11960	500931.2	3733839	1.28E-03	0.00E+00	1.28E-03	2.23E-04
11961	500927.5	3733848	1.29E-03	0.00E+00	1.29E-03	2.25E-04
11962	500923.8	3733857	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11963	500920.1	3733866	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11964	500916.4	3733875	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11965	500912.7	3733884	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11966	500908.9	3733893	1.35E-03	0.00E+00	1.35E-03	2.35E-04
11967	500905.2	3733902	1.36E-03	0.00E+00	1.36E-03	2.37E-04
11968	500901.5	3733911	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11969	500897.8	3733920	1.39E-03	0.00E+00	1.39E-03	2.42E-04
11970	500894.1	3733929	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11971	500890.3	3733938	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11972	500886.6	3733947	1.42E-03	0.00E+00	1.42E-03	2.48E-04
11973	500882.9	3733956	1.44E-03	0.00E+00	1.44E-03	2.50E-04
11974	500879.2	3733965	1.45E-03	0.00E+00	1.45E-03	2.52E-04
11975	500875.5	3733974	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11976	500871.8	3733983	1.47E-03	0.00E+00	1.47E-03	2.57E-04
11977	500868	3733991	1.49E-03	0.00E+00	1.49E-03	2.59E-04
11978	500864.3	3734000	1.50E-03	0.00E+00	1.50E-03	2.61E-04

11979	500860.6	3734009	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11980	500856.9	3734018	1.52E-03	0.00E+00	1.52E-03	2.65E-04
11981	500853.2	3734027	1.54E-03	0.00E+00	1.54E-03	2.68E-04
11982	500849.5	3734036	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11983	500845.7	3734045	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11984	500842	3734054	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11985	500838.3	3734063	1.58E-03	0.00E+00	1.58E-03	2.76E-04
11986	500834.6	3734072	1.60E-03	0.00E+00	1.60E-03	2.78E-04
11987	500830.9	3734081	1.61E-03	0.00E+00	1.61E-03	2.80E-04
11988	500827.1	3734090	1.62E-03	0.00E+00	1.62E-03	2.82E-04
11989	500823.4	3734099	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11990	500819.7	3734108	1.64E-03	0.00E+00	1.64E-03	2.86E-04
11991	500765.3	3734167	1.83E-03	0.00E+00	1.83E-03	3.18E-04
11992	500756.4	3734171	1.86E-03	0.00E+00	1.86E-03	3.24E-04
11993	500747.4	3734175	1.89E-03	0.00E+00	1.89E-03	3.30E-04
11994	500738.4	3734178	1.93E-03	0.00E+00	1.93E-03	3.36E-04
11995	500729.5	3734182	1.96E-03	0.00E+00	1.96E-03	3.42E-04
11996	500720.5	3734186	2.00E-03	0.00E+00	2.00E-03	3.48E-04
11997	500711.6	3734189	2.03E-03	0.00E+00	2.03E-03	3.54E-04
11998	500702.6	3734193	2.07E-03	0.00E+00	2.07E-03	3.61E-04
11999	500693.7	3734197	2.11E-03	0.00E+00	2.11E-03	3.67E-04
12000	500684.7	3734200	2.14E-03	0.00E+00	2.14E-03	3.73E-04
12001	500675.8	3734204	2.18E-03	0.00E+00	2.18E-03	3.80E-04
12002	500666.8	3734208	2.22E-03	0.00E+00	2.22E-03	3.86E-04
12003	500657.9	3734211	2.25E-03	0.00E+00	2.25E-03	3.93E-04
12004	500648.9	3734215	2.29E-03	0.00E+00	2.29E-03	3.99E-04
12005	500639.9	3734219	2.33E-03	0.00E+00	2.33E-03	4.06E-04
12006	500631	3734223	2.37E-03	0.00E+00	2.37E-03	4.12E-04
12007	500622	3734226	2.40E-03	0.00E+00	2.40E-03	4.19E-04
12008	500613.1	3734230	2.44E-03	0.00E+00	2.44E-03	4.25E-04
12009	500586.2	3734241	2.56E-03	0.00E+00	2.56E-03	4.45E-04
12010	500577.3	3734245	2.59E-03	0.00E+00	2.59E-03	4.52E-04
12011	500568.3	3734248	2.63E-03	0.00E+00	2.63E-03	4.58E-04
12012	500559.4	3734252	2.67E-03	0.00E+00	2.67E-03	4.65E-04
12013	500550.4	3734256	2.71E-03	0.00E+00	2.71E-03	4.72E-04
12014	500541.4	3734259	2.74E-03	0.00E+00	2.74E-03	4.78E-04
12015	500532.5	3734263	2.78E-03	0.00E+00	2.78E-03	4.85E-04
12016	500523.5	3734267	2.82E-03	0.00E+00	2.82E-03	4.91E-04
12017	500514.6	3734271	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12018	500505.6	3734274	2.89E-03	0.00E+00	2.89E-03	5.04E-04
12019	500496.7	3734278	2.93E-03	0.00E+00	2.93E-03	5.11E-04
12020	500487.7	3734282	2.97E-03	0.00E+00	2.97E-03	5.17E-04
12021	500478.8	3734285	3.00E-03	0.00E+00	3.00E-03	5.23E-04
12022	500469.8	3734289	3.04E-03	0.00E+00	3.04E-03	5.30E-04
12023	500460.9	3734293	3.08E-03	0.00E+00	3.08E-03	5.36E-04
12024	500451.9	3734296	3.11E-03	0.00E+00	3.11E-03	5.42E-04
12025	500442.9	3734300	3.15E-03	0.00E+00	3.15E-03	5.48E-04

12026	500434	3734304	3.18E-03	0.00E+00	3.18E-03	5.54E-04
12027	500425	3734307	3.21E-03	0.00E+00	3.21E-03	5.60E-04
12028	500416.1	3734311	3.25E-03	0.00E+00	3.25E-03	5.66E-04
12029	500407.1	3734315	3.28E-03	0.00E+00	3.28E-03	5.71E-04
12030	500398.2	3734319	3.31E-03	0.00E+00	3.31E-03	5.77E-04
12031	500389.2	3734322	3.34E-03	0.00E+00	3.34E-03	5.82E-04
12032	500380.3	3734326	3.37E-03	0.00E+00	3.37E-03	5.88E-04
12033	500371.3	3734330	3.40E-03	0.00E+00	3.40E-03	5.93E-04
12034	500362.4	3734333	3.43E-03	0.00E+00	3.43E-03	5.98E-04
12035	500353.4	3734337	3.46E-03	0.00E+00	3.46E-03	6.03E-04
12036	500344.4	3734341	3.49E-03	0.00E+00	3.49E-03	6.08E-04
12037	500335.5	3734344	3.52E-03	0.00E+00	3.52E-03	6.13E-04
12038	500326.5	3734348	3.54E-03	0.00E+00	3.54E-03	6.18E-04
12039	500317.6	3734352	3.57E-03	0.00E+00	3.57E-03	6.22E-04
12040	500308.6	3734355	3.60E-03	0.00E+00	3.60E-03	6.27E-04
12041	500299.7	3734359	3.62E-03	0.00E+00	3.62E-03	6.31E-04
12042	501053.9	3733544	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12043	501053.9	3733535	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12044	501053.9	3733525	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12045	501054	3733515	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12046	501054	3733505	9.52E-04	0.00E+00	9.52E-04	1.66E-04
12047	501054	3733496	9.51E-04	0.00E+00	9.51E-04	1.66E-04
12048	501054	3733447	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12049	501054	3733437	9.54E-04	0.00E+00	9.54E-04	1.66E-04
12050	501054	3733428	9.54E-04	0.00E+00	9.54E-04	1.66E-04
12051	501054.1	3733418	9.55E-04	0.00E+00	9.55E-04	1.66E-04
12052	501054.1	3733408	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12053	501054.1	3733398	9.58E-04	0.00E+00	9.58E-04	1.67E-04
12054	501054.1	3733389	9.60E-04	0.00E+00	9.60E-04	1.67E-04
12055	501054.1	3733379	9.61E-04	0.00E+00	9.61E-04	1.68E-04
12056	501054.1	3733369	9.63E-04	0.00E+00	9.63E-04	1.68E-04
12057	501054.1	3733360	9.65E-04	0.00E+00	9.65E-04	1.68E-04
12058	501054.1	3733340	9.70E-04	0.00E+00	9.70E-04	1.69E-04
12059	501054.1	3733330	9.73E-04	0.00E+00	9.73E-04	1.70E-04
12060	501054.2	3733321	9.76E-04	0.00E+00	9.76E-04	1.70E-04
12061	501054.2	3733311	9.79E-04	0.00E+00	9.79E-04	1.71E-04
12062	501054.2	3733301	9.82E-04	0.00E+00	9.82E-04	1.71E-04
12063	501054.2	3733291	9.86E-04	0.00E+00	9.86E-04	1.72E-04
12064	501054.2	3733282	9.89E-04	0.00E+00	9.89E-04	1.72E-04
12065	501054.2	3733272	9.94E-04	0.00E+00	9.94E-04	1.73E-04
12066	501054.2	3733262	9.99E-04	0.00E+00	9.99E-04	1.74E-04
12067	501054.2	3733253	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12068	501054.2	3733243	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12069	501054.2	3733233	1.01E-03	0.00E+00	1.01E-03	1.77E-04
12070	501054.3	3733223	1.02E-03	0.00E+00	1.02E-03	1.77E-04
12071	501054.3	3733214	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12072	501054.3	3733204	1.03E-03	0.00E+00	1.03E-03	1.79E-04

12073	501090.2	3733553	8.94E-04	0.00E+00	8.94E-04	1.56E-04
12074	501086.5	3733562	9.01E-04	0.00E+00	9.01E-04	1.57E-04
12075	501082.7	3733571	9.08E-04	0.00E+00	9.08E-04	1.58E-04
12076	501079	3733580	9.15E-04	0.00E+00	9.15E-04	1.59E-04
12077	501075.3	3733589	9.22E-04	0.00E+00	9.22E-04	1.61E-04
12078	501071.6	3733598	9.29E-04	0.00E+00	9.29E-04	1.62E-04
12079	501067.8	3733607	9.37E-04	0.00E+00	9.37E-04	1.63E-04
12080	501064.1	3733616	9.45E-04	0.00E+00	9.45E-04	1.65E-04
12081	501060.4	3733625	9.52E-04	0.00E+00	9.52E-04	1.66E-04
12082	501056.7	3733634	9.60E-04	0.00E+00	9.60E-04	1.67E-04
12083	501052.9	3733643	9.68E-04	0.00E+00	9.68E-04	1.69E-04
12084	501049.2	3733652	9.76E-04	0.00E+00	9.76E-04	1.70E-04
12085	501045.5	3733661	9.85E-04	0.00E+00	9.85E-04	1.72E-04
12086	501041.8	3733670	9.93E-04	0.00E+00	9.93E-04	1.73E-04
12087	501038	3733679	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12088	501034.3	3733688	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12089	501030.6	3733697	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12090	501026.9	3733706	1.03E-03	0.00E+00	1.03E-03	1.79E-04
12091	500997	3733777	1.11E-03	0.00E+00	1.11E-03	1.93E-04
12092	500993.3	3733786	1.12E-03	0.00E+00	1.12E-03	1.95E-04
12093	500989.6	3733795	1.13E-03	0.00E+00	1.13E-03	1.97E-04
12094	500985.9	3733804	1.14E-03	0.00E+00	1.14E-03	1.98E-04
12095	500982.1	3733813	1.15E-03	0.00E+00	1.15E-03	2.00E-04
12096	500978.4	3733822	1.16E-03	0.00E+00	1.16E-03	2.02E-04
12097	500974.7	3733831	1.17E-03	0.00E+00	1.17E-03	2.03E-04
12098	500971	3733840	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12099	500967.2	3733849	1.19E-03	0.00E+00	1.19E-03	2.07E-04
12100	500963.5	3733858	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12101	500959.8	3733867	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12102	500956.1	3733876	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12103	500952.3	3733885	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12104	500948.6	3733894	1.24E-03	0.00E+00	1.24E-03	2.16E-04
12105	500944.9	3733903	1.25E-03	0.00E+00	1.25E-03	2.18E-04
12106	500941.2	3733912	1.26E-03	0.00E+00	1.26E-03	2.20E-04
12107	500937.4	3733921	1.28E-03	0.00E+00	1.28E-03	2.22E-04
12108	500933.7	3733930	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12109	500930	3733939	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12110	500926.2	3733948	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12111	500922.5	3733957	1.32E-03	0.00E+00	1.32E-03	2.30E-04
12112	500918.8	3733966	1.33E-03	0.00E+00	1.33E-03	2.32E-04
12113	500915.1	3733975	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12114	500911.3	3733984	1.35E-03	0.00E+00	1.35E-03	2.36E-04
12115	500907.6	3733993	1.37E-03	0.00E+00	1.37E-03	2.38E-04
12116	500903.9	3734001	1.38E-03	0.00E+00	1.38E-03	2.40E-04
12117	500900.2	3734010	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12118	500896.4	3734019	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12119	500892.7	3734028	1.41E-03	0.00E+00	1.41E-03	2.46E-04

12120	500889	3734037	1.42E-03	0.00E+00	1.42E-03	2.48E-04
12121	500885.3	3734046	1.43E-03	0.00E+00	1.43E-03	2.50E-04
12122	500881.5	3734055	1.44E-03	0.00E+00	1.44E-03	2.51E-04
12123	500877.8	3734064	1.46E-03	0.00E+00	1.46E-03	2.54E-04
12124	500874.1	3734073	1.47E-03	0.00E+00	1.47E-03	2.56E-04
12125	500870.4	3734082	1.48E-03	0.00E+00	1.48E-03	2.58E-04
12126	500866.6	3734091	1.49E-03	0.00E+00	1.49E-03	2.60E-04
12127	500862.9	3734100	1.50E-03	0.00E+00	1.50E-03	2.62E-04
12128	500859.2	3734109	1.52E-03	0.00E+00	1.52E-03	2.64E-04
12129	500855.4	3734118	1.53E-03	0.00E+00	1.53E-03	2.66E-04
12130	500851.7	3734127	1.54E-03	0.00E+00	1.54E-03	2.68E-04
12131	500848	3734136	1.55E-03	0.00E+00	1.55E-03	2.69E-04
12132	500833.1	3734172	1.59E-03	0.00E+00	1.59E-03	2.77E-04
12133	500820.4	3734184	1.63E-03	0.00E+00	1.63E-03	2.84E-04
12134	500811.4	3734188	1.66E-03	0.00E+00	1.66E-03	2.89E-04
12135	500802.4	3734192	1.69E-03	0.00E+00	1.69E-03	2.94E-04
12136	500793.5	3734196	1.72E-03	0.00E+00	1.72E-03	2.99E-04
12137	500784.5	3734199	1.75E-03	0.00E+00	1.75E-03	3.04E-04
12138	500775.5	3734203	1.78E-03	0.00E+00	1.78E-03	3.09E-04
12139	500766.5	3734207	1.81E-03	0.00E+00	1.81E-03	3.15E-04
12140	500757.6	3734210	1.84E-03	0.00E+00	1.84E-03	3.20E-04
12141	500748.6	3734214	1.87E-03	0.00E+00	1.87E-03	3.26E-04
12142	500739.6	3734218	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12143	500730.6	3734221	1.93E-03	0.00E+00	1.93E-03	3.37E-04
12144	500721.7	3734225	1.97E-03	0.00E+00	1.97E-03	3.43E-04
12145	500712.7	3734229	2.00E-03	0.00E+00	2.00E-03	3.48E-04
12146	500703.7	3734233	2.03E-03	0.00E+00	2.03E-03	3.54E-04
12147	500694.7	3734236	2.07E-03	0.00E+00	2.07E-03	3.60E-04
12148	500685.8	3734240	2.10E-03	0.00E+00	2.10E-03	3.66E-04
12149	500676.8	3734244	2.14E-03	0.00E+00	2.14E-03	3.72E-04
12150	500667.8	3734247	2.17E-03	0.00E+00	2.17E-03	3.78E-04
12151	500658.8	3734251	2.21E-03	0.00E+00	2.21E-03	3.84E-04
12152	500649.9	3734255	2.24E-03	0.00E+00	2.24E-03	3.90E-04
12153	500640.9	3734258	2.28E-03	0.00E+00	2.28E-03	3.97E-04
12154	500631.9	3734262	2.31E-03	0.00E+00	2.31E-03	4.03E-04
12155	500622.9	3734266	2.35E-03	0.00E+00	2.35E-03	4.09E-04
12156	500614	3734270	2.38E-03	0.00E+00	2.38E-03	4.15E-04
12157	500587	3734281	2.49E-03	0.00E+00	2.49E-03	4.33E-04
12158	500578.1	3734284	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12159	500569.1	3734288	2.56E-03	0.00E+00	2.56E-03	4.45E-04
12160	500560.1	3734292	2.59E-03	0.00E+00	2.59E-03	4.51E-04
12161	500551.1	3734295	2.62E-03	0.00E+00	2.62E-03	4.57E-04
12162	500542.2	3734299	2.66E-03	0.00E+00	2.66E-03	4.63E-04
12163	500533.2	3734303	2.69E-03	0.00E+00	2.69E-03	4.69E-04
12164	500524.2	3734307	2.73E-03	0.00E+00	2.73E-03	4.75E-04
12165	500515.2	3734310	2.76E-03	0.00E+00	2.76E-03	4.81E-04
12166	500506.3	3734314	2.79E-03	0.00E+00	2.79E-03	4.87E-04

12167	500497.3	3734318	2.83E-03	0.00E+00	2.83E-03	4.92E-04
12168	500488.3	3734321	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12169	500479.3	3734325	2.89E-03	0.00E+00	2.89E-03	5.04E-04
12170	500470.4	3734329	2.92E-03	0.00E+00	2.92E-03	5.09E-04
12171	500461.4	3734332	2.95E-03	0.00E+00	2.95E-03	5.15E-04
12172	500452.4	3734336	2.98E-03	0.00E+00	2.98E-03	5.20E-04
12173	500443.4	3734340	3.02E-03	0.00E+00	3.02E-03	5.25E-04
12174	500434.5	3734344	3.05E-03	0.00E+00	3.05E-03	5.32E-04
12175	500425.5	3734347	3.08E-03	0.00E+00	3.08E-03	5.37E-04
12176	500416.5	3734351	3.11E-03	0.00E+00	3.11E-03	5.42E-04
12177	500407.5	3734355	3.14E-03	0.00E+00	3.14E-03	5.47E-04
12178	500398.6	3734358	3.17E-03	0.00E+00	3.17E-03	5.52E-04
12179	501093.9	3733544	8.88E-04	0.00E+00	8.88E-04	1.55E-04
12180	501093.9	3733535	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12181	501093.9	3733525	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12182	501094	3733515	8.87E-04	0.00E+00	8.87E-04	1.54E-04
12183	501094	3733505	8.86E-04	0.00E+00	8.86E-04	1.54E-04
12184	501094	3733467	8.86E-04	0.00E+00	8.86E-04	1.54E-04
12185	501094	3733457	8.86E-04	0.00E+00	8.86E-04	1.54E-04
12186	501094	3733447	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12187	501094	3733437	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12188	501094	3733428	8.88E-04	0.00E+00	8.88E-04	1.55E-04
12189	501094.1	3733418	8.90E-04	0.00E+00	8.90E-04	1.55E-04
12190	501094.1	3733408	8.93E-04	0.00E+00	8.93E-04	1.56E-04
12191	501094.1	3733398	8.95E-04	0.00E+00	8.95E-04	1.56E-04
12192	501094.1	3733389	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12193	501094.1	3733379	8.99E-04	0.00E+00	8.99E-04	1.57E-04
12194	501094.1	3733369	9.00E-04	0.00E+00	9.00E-04	1.57E-04
12195	501094.1	3733360	9.02E-04	0.00E+00	9.02E-04	1.57E-04
12196	501094.1	3733340	9.07E-04	0.00E+00	9.07E-04	1.58E-04
12197	501094.1	3733330	9.09E-04	0.00E+00	9.09E-04	1.58E-04
12198	501094.2	3733321	9.12E-04	0.00E+00	9.12E-04	1.59E-04
12199	501094.2	3733311	9.15E-04	0.00E+00	9.15E-04	1.59E-04
12200	501094.2	3733301	9.18E-04	0.00E+00	9.18E-04	1.60E-04
12201	501094.2	3733282	9.24E-04	0.00E+00	9.24E-04	1.61E-04
12202	501094.2	3733272	9.28E-04	0.00E+00	9.28E-04	1.62E-04
12203	501094.2	3733262	9.31E-04	0.00E+00	9.31E-04	1.62E-04
12204	501094.2	3733253	9.35E-04	0.00E+00	9.35E-04	1.63E-04
12205	501094.2	3733243	9.39E-04	0.00E+00	9.39E-04	1.64E-04
12206	501094.3	3733223	9.47E-04	0.00E+00	9.47E-04	1.65E-04
12207	501094.3	3733214	9.51E-04	0.00E+00	9.51E-04	1.66E-04
12208	501094.3	3733204	9.56E-04	0.00E+00	9.56E-04	1.67E-04
12209	501125.9	3733553	8.43E-04	0.00E+00	8.43E-04	1.47E-04
12210	501122.2	3733562	8.49E-04	0.00E+00	8.49E-04	1.48E-04
12211	501118.5	3733571	8.55E-04	0.00E+00	8.55E-04	1.49E-04
12212	501114.8	3733580	8.61E-04	0.00E+00	8.61E-04	1.50E-04
12213	501111.1	3733589	8.68E-04	0.00E+00	8.68E-04	1.51E-04

12214	501107.3	3733598	8.74E-04	0.00E+00	8.74E-04	1.52E-04
12215	501103.6	3733607	8.81E-04	0.00E+00	8.81E-04	1.54E-04
12216	501099.9	3733616	8.88E-04	0.00E+00	8.88E-04	1.55E-04
12217	501096.2	3733625	8.95E-04	0.00E+00	8.95E-04	1.56E-04
12218	501092.5	3733634	9.02E-04	0.00E+00	9.02E-04	1.57E-04
12219	501088.8	3733643	9.10E-04	0.00E+00	9.10E-04	1.59E-04
12220	501085	3733652	9.17E-04	0.00E+00	9.17E-04	1.60E-04
12221	501081.3	3733661	9.25E-04	0.00E+00	9.25E-04	1.61E-04
12222	501077.6	3733670	9.33E-04	0.00E+00	9.33E-04	1.63E-04
12223	501073.9	3733678	9.41E-04	0.00E+00	9.41E-04	1.64E-04
12224	501070.2	3733687	9.49E-04	0.00E+00	9.49E-04	1.65E-04
12225	501066.4	3733696	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12226	501062.7	3733705	9.65E-04	0.00E+00	9.65E-04	1.68E-04
12227	501059	3733714	9.73E-04	0.00E+00	9.73E-04	1.70E-04
12228	501055.3	3733723	9.82E-04	0.00E+00	9.82E-04	1.71E-04
12229	501051.6	3733732	9.90E-04	0.00E+00	9.90E-04	1.73E-04
12230	500995.8	3733866	1.13E-03	0.00E+00	1.13E-03	1.97E-04
12231	500992.1	3733875	1.14E-03	0.00E+00	1.14E-03	1.98E-04
12232	500988.4	3733884	1.15E-03	0.00E+00	1.15E-03	2.00E-04
12233	500984.7	3733893	1.16E-03	0.00E+00	1.16E-03	2.02E-04
12234	500981	3733902	1.17E-03	0.00E+00	1.17E-03	2.03E-04
12235	500977.2	3733911	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12236	500973.5	3733920	1.19E-03	0.00E+00	1.19E-03	2.07E-04
12237	500969.8	3733929	1.20E-03	0.00E+00	1.20E-03	2.08E-04
12238	500966.1	3733938	1.21E-03	0.00E+00	1.21E-03	2.10E-04
12239	500962.4	3733947	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12240	500958.7	3733956	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12241	500954.9	3733965	1.24E-03	0.00E+00	1.24E-03	2.15E-04
12242	500951.2	3733974	1.25E-03	0.00E+00	1.25E-03	2.17E-04
12243	500947.5	3733983	1.26E-03	0.00E+00	1.26E-03	2.19E-04
12244	500943.8	3733991	1.27E-03	0.00E+00	1.27E-03	2.21E-04
12245	500940.1	3734000	1.28E-03	0.00E+00	1.28E-03	2.23E-04
12246	500936.4	3734009	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12247	500932.6	3734018	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12248	500928.9	3734027	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12249	500925.2	3734036	1.32E-03	0.00E+00	1.32E-03	2.30E-04
12250	500921.5	3734045	1.33E-03	0.00E+00	1.33E-03	2.32E-04
12251	500917.8	3734054	1.34E-03	0.00E+00	1.34E-03	2.33E-04
12252	500914.1	3734063	1.35E-03	0.00E+00	1.35E-03	2.35E-04
12253	500910.3	3734072	1.36E-03	0.00E+00	1.36E-03	2.37E-04
12254	500906.6	3734081	1.37E-03	0.00E+00	1.37E-03	2.39E-04
12255	500902.9	3734090	1.38E-03	0.00E+00	1.38E-03	2.41E-04
12256	500899.2	3734099	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12257	500895.5	3734108	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12258	500891.8	3734117	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12259	500888	3734126	1.42E-03	0.00E+00	1.42E-03	2.48E-04
12260	500884.3	3734135	1.43E-03	0.00E+00	1.43E-03	2.50E-04

12261	500869.4	3734170	1.47E-03	0.00E+00	1.47E-03	2.57E-04
12262	500865.7	3734179	1.48E-03	0.00E+00	1.48E-03	2.58E-04
12263	500862	3734188	1.49E-03	0.00E+00	1.49E-03	2.60E-04
12264	500858.3	3734197	1.50E-03	0.00E+00	1.50E-03	2.62E-04
12265	500845.6	3734210	1.54E-03	0.00E+00	1.54E-03	2.68E-04
12266	500836.7	3734213	1.57E-03	0.00E+00	1.57E-03	2.73E-04
12267	500827.7	3734217	1.60E-03	0.00E+00	1.60E-03	2.78E-04
12268	500818.8	3734221	1.62E-03	0.00E+00	1.62E-03	2.83E-04
12269	500809.8	3734224	1.65E-03	0.00E+00	1.65E-03	2.88E-04
12270	500800.9	3734228	1.68E-03	0.00E+00	1.68E-03	2.93E-04
12271	500791.9	3734232	1.71E-03	0.00E+00	1.71E-03	2.98E-04
12272	500783	3734236	1.74E-03	0.00E+00	1.74E-03	3.03E-04
12273	500774	3734239	1.77E-03	0.00E+00	1.77E-03	3.08E-04
12274	500765.1	3734243	1.80E-03	0.00E+00	1.80E-03	3.13E-04
12275	500756.1	3734247	1.83E-03	0.00E+00	1.83E-03	3.18E-04
12276	500747.1	3734250	1.86E-03	0.00E+00	1.86E-03	3.23E-04
12277	500738.2	3734254	1.89E-03	0.00E+00	1.89E-03	3.29E-04
12278	500729.2	3734258	1.92E-03	0.00E+00	1.92E-03	3.34E-04
12279	500720.3	3734261	1.95E-03	0.00E+00	1.95E-03	3.39E-04
12280	500711.3	3734265	1.98E-03	0.00E+00	1.98E-03	3.45E-04
12281	500702.4	3734269	2.01E-03	0.00E+00	2.01E-03	3.50E-04
12282	500693.4	3734272	2.04E-03	0.00E+00	2.04E-03	3.56E-04
12283	500684.5	3734276	2.07E-03	0.00E+00	2.07E-03	3.61E-04
12284	500675.5	3734280	2.11E-03	0.00E+00	2.11E-03	3.67E-04
12285	500666.6	3734284	2.14E-03	0.00E+00	2.14E-03	3.73E-04
12286	500657.6	3734287	2.17E-03	0.00E+00	2.17E-03	3.78E-04
12287	500648.7	3734291	2.20E-03	0.00E+00	2.20E-03	3.84E-04
12288	500639.7	3734295	2.24E-03	0.00E+00	2.24E-03	3.90E-04
12289	500630.8	3734298	2.27E-03	0.00E+00	2.27E-03	3.95E-04
12290	500621.8	3734302	2.30E-03	0.00E+00	2.30E-03	4.01E-04
12291	500612.9	3734306	2.33E-03	0.00E+00	2.33E-03	4.07E-04
12292	500586	3734317	2.43E-03	0.00E+00	2.43E-03	4.24E-04
12293	500577	3734320	2.46E-03	0.00E+00	2.46E-03	4.29E-04
12294	500568.1	3734324	2.50E-03	0.00E+00	2.50E-03	4.35E-04
12295	500559.1	3734328	2.53E-03	0.00E+00	2.53E-03	4.40E-04
12296	500550.2	3734332	2.56E-03	0.00E+00	2.56E-03	4.46E-04
12297	500541.2	3734335	2.59E-03	0.00E+00	2.59E-03	4.51E-04
12298	500532.3	3734339	2.62E-03	0.00E+00	2.62E-03	4.57E-04
12299	500523.3	3734343	2.65E-03	0.00E+00	2.65E-03	4.62E-04
12300	500514.4	3734346	2.68E-03	0.00E+00	2.68E-03	4.67E-04
12301	500505.4	3734350	2.71E-03	0.00E+00	2.71E-03	4.72E-04
12302	500496.5	3734354	2.74E-03	0.00E+00	2.74E-03	4.78E-04
12303	500487.5	3734357	2.77E-03	0.00E+00	2.77E-03	4.83E-04
12304	500478.6	3734361	2.80E-03	0.00E+00	2.80E-03	4.88E-04
12305	500469.6	3734365	2.83E-03	0.00E+00	2.83E-03	4.93E-04
12306	500460.7	3734368	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12307	500451.7	3734372	2.88E-03	0.00E+00	2.88E-03	5.02E-04

12308	500442.8	3734376	2.91E-03	0.00E+00	2.91E-03	5.07E-04
12309	500433.8	3734379	2.94E-03	0.00E+00	2.94E-03	5.12E-04
12310	500424.8	3734383	2.96E-03	0.00E+00	2.96E-03	5.16E-04
12311	500415.9	3734387	2.99E-03	0.00E+00	2.99E-03	5.21E-04
12312	500406.9	3734391	3.02E-03	0.00E+00	3.02E-03	5.27E-04
12313	501129.6	3733544	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12314	501129.6	3733535	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12315	501129.7	3733525	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12316	501129.7	3733476	8.35E-04	0.00E+00	8.35E-04	1.45E-04
12317	501129.7	3733467	8.35E-04	0.00E+00	8.35E-04	1.45E-04
12318	501129.7	3733457	8.35E-04	0.00E+00	8.35E-04	1.46E-04
12319	501129.7	3733447	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12320	501129.7	3733437	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12321	501129.8	3733428	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12322	501129.8	3733418	8.38E-04	0.00E+00	8.38E-04	1.46E-04
12323	501129.8	3733408	8.39E-04	0.00E+00	8.39E-04	1.46E-04
12324	501129.8	3733399	8.40E-04	0.00E+00	8.40E-04	1.46E-04
12325	501129.8	3733389	8.42E-04	0.00E+00	8.42E-04	1.47E-04
12326	501129.8	3733379	8.43E-04	0.00E+00	8.43E-04	1.47E-04
12327	501129.8	3733369	8.45E-04	0.00E+00	8.45E-04	1.47E-04
12328	501129.8	3733360	8.48E-04	0.00E+00	8.48E-04	1.48E-04
12329	501129.8	3733340	8.55E-04	0.00E+00	8.55E-04	1.49E-04
12330	501129.9	3733330	8.58E-04	0.00E+00	8.58E-04	1.49E-04
12331	501129.9	3733321	8.60E-04	0.00E+00	8.60E-04	1.50E-04
12332	501129.9	3733311	8.63E-04	0.00E+00	8.63E-04	1.50E-04
12333	501129.9	3733301	8.66E-04	0.00E+00	8.66E-04	1.51E-04
12334	501129.9	3733282	8.72E-04	0.00E+00	8.72E-04	1.52E-04
12335	501129.9	3733272	8.75E-04	0.00E+00	8.75E-04	1.52E-04
12336	501129.9	3733262	8.78E-04	0.00E+00	8.78E-04	1.53E-04
12337	501129.9	3733253	8.82E-04	0.00E+00	8.82E-04	1.54E-04
12338	501129.9	3733243	8.85E-04	0.00E+00	8.85E-04	1.54E-04
12339	501130	3733223	8.93E-04	0.00E+00	8.93E-04	1.56E-04
12340	501130	3733214	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12341	501161.6	3733553	7.95E-04	0.00E+00	7.95E-04	1.39E-04
12342	501157.9	3733562	8.00E-04	0.00E+00	8.00E-04	1.39E-04
12343	501154.2	3733571	8.05E-04	0.00E+00	8.05E-04	1.40E-04
12344	501150.5	3733580	8.11E-04	0.00E+00	8.11E-04	1.41E-04
12345	501146.8	3733589	8.18E-04	0.00E+00	8.18E-04	1.43E-04
12346	501143.1	3733598	8.25E-04	0.00E+00	8.25E-04	1.44E-04
12347	501139.4	3733607	8.31E-04	0.00E+00	8.31E-04	1.45E-04
12348	501135.7	3733616	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12349	501132	3733625	8.44E-04	0.00E+00	8.44E-04	1.47E-04
12350	501128.3	3733634	8.50E-04	0.00E+00	8.50E-04	1.48E-04
12351	501124.6	3733643	8.57E-04	0.00E+00	8.57E-04	1.49E-04
12352	501120.9	3733651	8.64E-04	0.00E+00	8.64E-04	1.51E-04
12353	501117.1	3733660	8.71E-04	0.00E+00	8.71E-04	1.52E-04
12354	501113.4	3733669	8.78E-04	0.00E+00	8.78E-04	1.53E-04

12355	501109.7	3733678	8.85E-04	0.00E+00	8.85E-04	1.54E-04
12356	501106	3733687	8.92E-04	0.00E+00	8.92E-04	1.55E-04
12357	501102.3	3733696	9.00E-04	0.00E+00	9.00E-04	1.57E-04
12358	501098.6	3733705	9.07E-04	0.00E+00	9.07E-04	1.58E-04
12359	501094.9	3733714	9.15E-04	0.00E+00	9.15E-04	1.59E-04
12360	501091.2	3733723	9.22E-04	0.00E+00	9.22E-04	1.61E-04
12361	501087.5	3733732	9.30E-04	0.00E+00	9.30E-04	1.62E-04
12362	500994.8	3733955	1.15E-03	0.00E+00	1.15E-03	2.00E-04
12363	500991.1	3733964	1.15E-03	0.00E+00	1.15E-03	2.01E-04
12364	500987.3	3733973	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12365	500983.6	3733982	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12366	500979.9	3733990	1.18E-03	0.00E+00	1.18E-03	2.06E-04
12367	500976.2	3733999	1.19E-03	0.00E+00	1.19E-03	2.08E-04
12368	500972.5	3734008	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12369	500968.8	3734017	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12370	500965.1	3734026	1.22E-03	0.00E+00	1.22E-03	2.13E-04
12371	500961.4	3734035	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12372	500957.7	3734044	1.24E-03	0.00E+00	1.24E-03	2.16E-04
12373	500954	3734053	1.25E-03	0.00E+00	1.25E-03	2.18E-04
12374	500950.3	3734062	1.26E-03	0.00E+00	1.26E-03	2.19E-04
12375	500946.5	3734071	1.27E-03	0.00E+00	1.27E-03	2.21E-04
12376	500942.8	3734080	1.28E-03	0.00E+00	1.28E-03	2.23E-04
12377	500939.1	3734089	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12378	500935.4	3734098	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12379	500931.7	3734106	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12380	500928	3734115	1.32E-03	0.00E+00	1.32E-03	2.29E-04
12381	500924.3	3734124	1.33E-03	0.00E+00	1.33E-03	2.31E-04
12382	500920.6	3734133	1.33E-03	0.00E+00	1.33E-03	2.33E-04
12383	500905.8	3734169	1.37E-03	0.00E+00	1.37E-03	2.39E-04
12384	500902	3734178	1.38E-03	0.00E+00	1.38E-03	2.41E-04
12385	500898.3	3734187	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12386	500894.6	3734196	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12387	500890.9	3734205	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12388	500887.2	3734213	1.42E-03	0.00E+00	1.42E-03	2.47E-04
12389	500883.5	3734222	1.43E-03	0.00E+00	1.43E-03	2.49E-04
12390	500870.9	3734235	1.46E-03	0.00E+00	1.46E-03	2.54E-04
12391	500861.9	3734239	1.48E-03	0.00E+00	1.48E-03	2.59E-04
12392	500853	3734242	1.51E-03	0.00E+00	1.51E-03	2.63E-04
12393	500844.1	3734246	1.54E-03	0.00E+00	1.54E-03	2.68E-04
12394	500835.1	3734250	1.56E-03	0.00E+00	1.56E-03	2.72E-04
12395	500826.2	3734253	1.59E-03	0.00E+00	1.59E-03	2.77E-04
12396	500817.3	3734257	1.61E-03	0.00E+00	1.61E-03	2.81E-04
12397	500808.3	3734261	1.64E-03	0.00E+00	1.64E-03	2.86E-04
12398	500799.4	3734264	1.67E-03	0.00E+00	1.67E-03	2.90E-04
12399	500790.5	3734268	1.69E-03	0.00E+00	1.69E-03	2.95E-04
12400	500781.5	3734272	1.72E-03	0.00E+00	1.72E-03	3.00E-04
12401	500772.6	3734276	1.75E-03	0.00E+00	1.75E-03	3.05E-04

12402	500763.7	3734279	1.78E-03	0.00E+00	1.78E-03	3.10E-04
12403	500754.7	3734283	1.81E-03	0.00E+00	1.81E-03	3.15E-04
12404	500745.8	3734287	1.84E-03	0.00E+00	1.84E-03	3.20E-04
12405	500736.9	3734290	1.87E-03	0.00E+00	1.87E-03	3.25E-04
12406	500727.9	3734294	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12407	500719	3734298	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12408	500710.1	3734301	1.96E-03	0.00E+00	1.96E-03	3.41E-04
12409	500701.1	3734305	1.99E-03	0.00E+00	1.99E-03	3.46E-04
12410	500692.2	3734309	2.01E-03	0.00E+00	2.01E-03	3.51E-04
12411	500683.3	3734312	2.04E-03	0.00E+00	2.04E-03	3.56E-04
12412	500674.4	3734316	2.07E-03	0.00E+00	2.07E-03	3.61E-04
12413	500665.4	3734320	2.10E-03	0.00E+00	2.10E-03	3.67E-04
12414	500656.5	3734323	2.13E-03	0.00E+00	2.13E-03	3.72E-04
12415	500647.6	3734327	2.16E-03	0.00E+00	2.16E-03	3.77E-04
12416	500638.6	3734331	2.19E-03	0.00E+00	2.19E-03	3.82E-04
12417	500629.7	3734334	2.22E-03	0.00E+00	2.22E-03	3.88E-04
12418	500620.8	3734338	2.25E-03	0.00E+00	2.25E-03	3.93E-04
12419	500611.8	3734342	2.29E-03	0.00E+00	2.29E-03	3.98E-04
12420	500585	3734353	2.38E-03	0.00E+00	2.38E-03	4.14E-04
12421	500576.1	3734357	2.40E-03	0.00E+00	2.40E-03	4.19E-04
12422	500567.2	3734360	2.43E-03	0.00E+00	2.43E-03	4.24E-04
12423	500558.2	3734364	2.46E-03	0.00E+00	2.46E-03	4.29E-04
12424	500549.3	3734368	2.49E-03	0.00E+00	2.49E-03	4.34E-04
12425	500540.4	3734371	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12426	500531.4	3734375	2.55E-03	0.00E+00	2.55E-03	4.44E-04
12427	500522.5	3734379	2.58E-03	0.00E+00	2.58E-03	4.49E-04
12428	500513.6	3734382	2.60E-03	0.00E+00	2.60E-03	4.54E-04
12429	500504.6	3734386	2.63E-03	0.00E+00	2.63E-03	4.58E-04
12430	500495.7	3734390	2.66E-03	0.00E+00	2.66E-03	4.63E-04
12431	500486.8	3734393	2.68E-03	0.00E+00	2.68E-03	4.68E-04
12432	500477.8	3734397	2.71E-03	0.00E+00	2.71E-03	4.72E-04
12433	500468.9	3734401	2.74E-03	0.00E+00	2.74E-03	4.77E-04
12434	500460	3734404	2.76E-03	0.00E+00	2.76E-03	4.81E-04
12435	500451	3734408	2.79E-03	0.00E+00	2.79E-03	4.85E-04
12436	500442.1	3734412	2.81E-03	0.00E+00	2.81E-03	4.90E-04
12437	500433.2	3734415	2.84E-03	0.00E+00	2.84E-03	4.94E-04
12438	500424.2	3734419	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12439	500415.3	3734423	2.88E-03	0.00E+00	2.88E-03	5.02E-04
12440	500406.4	3734426	2.91E-03	0.00E+00	2.91E-03	5.08E-04
12441	501165.4	3733544	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12442	501165.4	3733496	7.89E-04	0.00E+00	7.89E-04	1.37E-04
12443	501165.4	3733486	7.89E-04	0.00E+00	7.89E-04	1.37E-04
12444	501165.4	3733476	7.89E-04	0.00E+00	7.89E-04	1.37E-04
12445	501165.4	3733467	7.89E-04	0.00E+00	7.89E-04	1.38E-04
12446	501165.4	3733457	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12447	501165.5	3733447	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12448	501165.5	3733437	7.91E-04	0.00E+00	7.91E-04	1.38E-04

12449	501165.5	3733428	7.91E-04	0.00E+00	7.91E-04	1.38E-04
12450	501165.5	3733418	7.92E-04	0.00E+00	7.92E-04	1.38E-04
12451	501165.5	3733408	7.93E-04	0.00E+00	7.93E-04	1.38E-04
12452	501165.5	3733399	7.95E-04	0.00E+00	7.95E-04	1.38E-04
12453	501165.5	3733389	7.96E-04	0.00E+00	7.96E-04	1.39E-04
12454	501165.5	3733379	7.97E-04	0.00E+00	7.97E-04	1.39E-04
12455	501165.5	3733369	7.99E-04	0.00E+00	7.99E-04	1.39E-04
12456	501165.5	3733360	8.01E-04	0.00E+00	8.01E-04	1.40E-04
12457	501165.6	3733340	8.05E-04	0.00E+00	8.05E-04	1.40E-04
12458	501165.6	3733330	8.07E-04	0.00E+00	8.07E-04	1.41E-04
12459	501165.6	3733321	8.09E-04	0.00E+00	8.09E-04	1.41E-04
12460	501165.6	3733311	8.11E-04	0.00E+00	8.11E-04	1.41E-04
12461	501165.6	3733301	8.14E-04	0.00E+00	8.14E-04	1.42E-04
12462	501165.6	3733282	8.19E-04	0.00E+00	8.19E-04	1.43E-04
12463	501165.6	3733272	8.23E-04	0.00E+00	8.23E-04	1.43E-04
12464	501165.6	3733262	8.27E-04	0.00E+00	8.27E-04	1.44E-04
12465	501165.7	3733253	8.31E-04	0.00E+00	8.31E-04	1.45E-04
12466	501165.7	3733243	8.35E-04	0.00E+00	8.35E-04	1.46E-04
12467	501165.7	3733214	8.46E-04	0.00E+00	8.46E-04	1.47E-04
12468	501165.7	3733204	8.50E-04	0.00E+00	8.50E-04	1.48E-04
12469	501197.4	3733553	7.50E-04	0.00E+00	7.50E-04	1.31E-04
12470	501193.7	3733562	7.55E-04	0.00E+00	7.55E-04	1.32E-04
12471	501190	3733571	7.60E-04	0.00E+00	7.60E-04	1.32E-04
12472	501186.3	3733580	7.66E-04	0.00E+00	7.66E-04	1.33E-04
12473	501182.6	3733589	7.71E-04	0.00E+00	7.71E-04	1.34E-04
12474	501178.9	3733598	7.77E-04	0.00E+00	7.77E-04	1.35E-04
12475	501175.2	3733607	7.84E-04	0.00E+00	7.84E-04	1.37E-04
12476	501171.5	3733616	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12477	501167.8	3733625	7.96E-04	0.00E+00	7.96E-04	1.39E-04
12478	501164.1	3733633	8.03E-04	0.00E+00	8.03E-04	1.40E-04
12479	501160.4	3733642	8.08E-04	0.00E+00	8.08E-04	1.41E-04
12480	501156.7	3733651	8.14E-04	0.00E+00	8.14E-04	1.42E-04
12481	501153	3733660	8.20E-04	0.00E+00	8.20E-04	1.43E-04
12482	501149.3	3733669	8.26E-04	0.00E+00	8.26E-04	1.44E-04
12483	501145.6	3733678	8.33E-04	0.00E+00	8.33E-04	1.45E-04
12484	501141.9	3733687	8.40E-04	0.00E+00	8.40E-04	1.46E-04
12485	501138.2	3733696	8.47E-04	0.00E+00	8.47E-04	1.48E-04
12486	501134.5	3733705	8.54E-04	0.00E+00	8.54E-04	1.49E-04
12487	501130.8	3733714	8.62E-04	0.00E+00	8.62E-04	1.50E-04
12488	501127.1	3733722	8.69E-04	0.00E+00	8.69E-04	1.51E-04
12489	501123.4	3733731	8.76E-04	0.00E+00	8.76E-04	1.53E-04
12490	501108.6	3733767	9.05E-04	0.00E+00	9.05E-04	1.58E-04
12491	501104.8	3733776	9.12E-04	0.00E+00	9.12E-04	1.59E-04
12492	501101.1	3733785	9.20E-04	0.00E+00	9.20E-04	1.60E-04
12493	501097.4	3733794	9.27E-04	0.00E+00	9.27E-04	1.62E-04
12494	501093.7	3733803	9.35E-04	0.00E+00	9.35E-04	1.63E-04
12495	501090	3733812	9.43E-04	0.00E+00	9.43E-04	1.64E-04

12496	501086.3	3733820	9.50E-04	0.00E+00	9.50E-04	1.66E-04
12497	501082.6	3733829	9.58E-04	0.00E+00	9.58E-04	1.67E-04
12498	501027.1	3733963	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12499	501023.4	3733972	1.09E-03	0.00E+00	1.09E-03	1.89E-04
12500	501019.7	3733981	1.10E-03	0.00E+00	1.10E-03	1.91E-04
12501	500993.8	3734043	1.15E-03	0.00E+00	1.15E-03	2.01E-04
12502	500990.1	3734052	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12503	500986.4	3734061	1.17E-03	0.00E+00	1.17E-03	2.05E-04
12504	500982.7	3734070	1.18E-03	0.00E+00	1.18E-03	2.06E-04
12505	500979	3734079	1.19E-03	0.00E+00	1.19E-03	2.08E-04
12506	500975.3	3734087	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12507	500971.6	3734096	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12508	500967.9	3734105	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12509	500964.2	3734114	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12510	500960.5	3734123	1.24E-03	0.00E+00	1.24E-03	2.15E-04
12511	500956.8	3734132	1.25E-03	0.00E+00	1.25E-03	2.17E-04
12512	500953.1	3734141	1.25E-03	0.00E+00	1.25E-03	2.19E-04
12513	500938.3	3734177	1.29E-03	0.00E+00	1.29E-03	2.25E-04
12514	500934.6	3734185	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12515	500930.9	3734194	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12516	500927.2	3734203	1.32E-03	0.00E+00	1.32E-03	2.29E-04
12517	500923.5	3734212	1.32E-03	0.00E+00	1.32E-03	2.31E-04
12518	500919.8	3734221	1.33E-03	0.00E+00	1.33E-03	2.32E-04
12519	500916.1	3734230	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12520	500912.4	3734239	1.35E-03	0.00E+00	1.35E-03	2.35E-04
12521	500908.7	3734248	1.36E-03	0.00E+00	1.36E-03	2.37E-04
12522	500896.1	3734260	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12523	500887.2	3734264	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12524	500878.3	3734268	1.43E-03	0.00E+00	1.43E-03	2.50E-04
12525	500869.4	3734271	1.46E-03	0.00E+00	1.46E-03	2.54E-04
12526	500860.4	3734275	1.48E-03	0.00E+00	1.48E-03	2.58E-04
12527	500851.5	3734279	1.51E-03	0.00E+00	1.51E-03	2.62E-04
12528	500842.6	3734282	1.53E-03	0.00E+00	1.53E-03	2.67E-04
12529	500833.7	3734286	1.55E-03	0.00E+00	1.55E-03	2.71E-04
12530	500824.8	3734290	1.58E-03	0.00E+00	1.58E-03	2.75E-04
12531	500815.9	3734293	1.60E-03	0.00E+00	1.60E-03	2.80E-04
12532	500807	3734297	1.63E-03	0.00E+00	1.63E-03	2.84E-04
12533	500798.1	3734301	1.66E-03	0.00E+00	1.66E-03	2.89E-04
12534	500789.1	3734304	1.68E-03	0.00E+00	1.68E-03	2.93E-04
12535	500780.2	3734308	1.71E-03	0.00E+00	1.71E-03	2.98E-04
12536	500771.3	3734312	1.73E-03	0.00E+00	1.73E-03	3.02E-04
12537	500762.4	3734315	1.76E-03	0.00E+00	1.76E-03	3.07E-04
12538	500753.5	3734319	1.79E-03	0.00E+00	1.79E-03	3.12E-04
12539	500744.6	3734323	1.82E-03	0.00E+00	1.82E-03	3.17E-04
12540	500735.7	3734326	1.85E-03	0.00E+00	1.85E-03	3.22E-04
12541	500726.7	3734330	1.87E-03	0.00E+00	1.87E-03	3.27E-04
12542	500717.8	3734334	1.90E-03	0.00E+00	1.90E-03	3.31E-04

12543	500708.9	3734337	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12544	500700	3734341	1.96E-03	0.00E+00	1.96E-03	3.41E-04
12545	500691.1	3734345	1.99E-03	0.00E+00	1.99E-03	3.46E-04
12546	500628.7	3734371	2.18E-03	0.00E+00	2.18E-03	3.80E-04
12547	500584.1	3734389	2.32E-03	0.00E+00	2.32E-03	4.04E-04
12548	500575.2	3734393	2.35E-03	0.00E+00	2.35E-03	4.09E-04
12549	500566.3	3734396	2.37E-03	0.00E+00	2.37E-03	4.13E-04
12550	500557.4	3734400	2.40E-03	0.00E+00	2.40E-03	4.18E-04
12551	500548.5	3734404	2.43E-03	0.00E+00	2.43E-03	4.23E-04
12552	500539.6	3734407	2.45E-03	0.00E+00	2.45E-03	4.27E-04
12553	500530.6	3734411	2.48E-03	0.00E+00	2.48E-03	4.32E-04
12554	500521.7	3734415	2.50E-03	0.00E+00	2.50E-03	4.36E-04
12555	500512.8	3734418	2.53E-03	0.00E+00	2.53E-03	4.40E-04
12556	500503.9	3734422	2.55E-03	0.00E+00	2.55E-03	4.45E-04
12557	500495	3734426	2.58E-03	0.00E+00	2.58E-03	4.49E-04
12558	500486.1	3734429	2.60E-03	0.00E+00	2.60E-03	4.53E-04
12559	500477.2	3734433	2.62E-03	0.00E+00	2.62E-03	4.57E-04
12560	500468.3	3734437	2.65E-03	0.00E+00	2.65E-03	4.61E-04
12561	500459.3	3734440	2.67E-03	0.00E+00	2.67E-03	4.65E-04
12562	500450.4	3734444	2.69E-03	0.00E+00	2.69E-03	4.69E-04
12563	500441.5	3734448	2.72E-03	0.00E+00	2.72E-03	4.73E-04
12564	500432.6	3734451	2.74E-03	0.00E+00	2.74E-03	4.77E-04
12565	500423.7	3734455	2.76E-03	0.00E+00	2.76E-03	4.81E-04
12566	500414.8	3734459	2.78E-03	0.00E+00	2.78E-03	4.85E-04
12567	500405.9	3734462	2.81E-03	0.00E+00	2.81E-03	4.90E-04
12568	501201.1	3733515	7.44E-04	0.00E+00	7.44E-04	1.30E-04
12569	501201.1	3733506	7.45E-04	0.00E+00	7.45E-04	1.30E-04
12570	501201.1	3733496	7.45E-04	0.00E+00	7.45E-04	1.30E-04
12571	501201.1	3733486	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12572	501201.1	3733476	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12573	501201.1	3733467	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12574	501201.2	3733457	7.47E-04	0.00E+00	7.47E-04	1.30E-04
12575	501201.2	3733447	7.47E-04	0.00E+00	7.47E-04	1.30E-04
12576	501201.2	3733437	7.48E-04	0.00E+00	7.48E-04	1.30E-04
12577	501201.2	3733428	7.50E-04	0.00E+00	7.50E-04	1.31E-04
12578	501201.2	3733418	7.51E-04	0.00E+00	7.51E-04	1.31E-04
12579	501201.2	3733408	7.52E-04	0.00E+00	7.52E-04	1.31E-04
12580	501201.2	3733399	7.53E-04	0.00E+00	7.53E-04	1.31E-04
12581	501201.2	3733389	7.54E-04	0.00E+00	7.54E-04	1.31E-04
12582	501201.2	3733379	7.55E-04	0.00E+00	7.55E-04	1.32E-04
12583	501201.2	3733369	7.57E-04	0.00E+00	7.57E-04	1.32E-04
12584	501201.3	3733360	7.59E-04	0.00E+00	7.59E-04	1.32E-04
12585	501201.3	3733340	7.62E-04	0.00E+00	7.62E-04	1.33E-04
12586	501201.3	3733331	7.64E-04	0.00E+00	7.64E-04	1.33E-04
12587	501201.3	3733321	7.66E-04	0.00E+00	7.66E-04	1.34E-04
12588	501201.3	3733311	7.69E-04	0.00E+00	7.69E-04	1.34E-04
12589	501201.3	3733301	7.71E-04	0.00E+00	7.71E-04	1.34E-04

12590	501201.3	3733292	7.73E-04	0.00E+00	7.73E-04	1.35E-04
12591	501201.3	3733282	7.76E-04	0.00E+00	7.76E-04	1.35E-04
12592	501201.3	3733272	7.79E-04	0.00E+00	7.79E-04	1.36E-04
12593	501201.4	3733262	7.82E-04	0.00E+00	7.82E-04	1.36E-04
12594	501201.4	3733253	7.84E-04	0.00E+00	7.84E-04	1.37E-04
12595	501201.4	3733243	7.88E-04	0.00E+00	7.88E-04	1.37E-04
12596	501201.4	3733233	7.91E-04	0.00E+00	7.91E-04	1.38E-04
12597	501201.4	3733224	7.94E-04	0.00E+00	7.94E-04	1.38E-04
12598	501225.7	3733571	7.21E-04	0.00E+00	7.21E-04	1.26E-04
12599	501222	3733580	7.25E-04	0.00E+00	7.25E-04	1.26E-04
12600	501218.3	3733589	7.30E-04	0.00E+00	7.30E-04	1.27E-04
12601	501214.6	3733598	7.35E-04	0.00E+00	7.35E-04	1.28E-04
12602	501210.9	3733607	7.41E-04	0.00E+00	7.41E-04	1.29E-04
12603	501207.2	3733616	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12604	501203.5	3733624	7.51E-04	0.00E+00	7.51E-04	1.31E-04
12605	501199.8	3733633	7.57E-04	0.00E+00	7.57E-04	1.32E-04
12606	501196.2	3733642	7.62E-04	0.00E+00	7.62E-04	1.33E-04
12607	501192.5	3733651	7.68E-04	0.00E+00	7.68E-04	1.34E-04
12608	501188.8	3733660	7.74E-04	0.00E+00	7.74E-04	1.35E-04
12609	501185.1	3733669	7.80E-04	0.00E+00	7.80E-04	1.36E-04
12610	501181.4	3733678	7.86E-04	0.00E+00	7.86E-04	1.37E-04
12611	501177.7	3733687	7.92E-04	0.00E+00	7.92E-04	1.38E-04
12612	501174	3733696	7.98E-04	0.00E+00	7.98E-04	1.39E-04
12613	501170.3	3733704	8.04E-04	0.00E+00	8.04E-04	1.40E-04
12614	501166.6	3733713	8.10E-04	0.00E+00	8.10E-04	1.41E-04
12615	501162.9	3733722	8.17E-04	0.00E+00	8.17E-04	1.42E-04
12616	501159.2	3733731	8.23E-04	0.00E+00	8.23E-04	1.43E-04
12617	501155.5	3733740	8.30E-04	0.00E+00	8.30E-04	1.45E-04
12618	501144.4	3733767	8.51E-04	0.00E+00	8.51E-04	1.48E-04
12619	501140.8	3733775	8.57E-04	0.00E+00	8.57E-04	1.49E-04
12620	501137.1	3733784	8.64E-04	0.00E+00	8.64E-04	1.50E-04
12621	501133.4	3733793	8.71E-04	0.00E+00	8.71E-04	1.52E-04
12622	501129.7	3733802	8.78E-04	0.00E+00	8.78E-04	1.53E-04
12623	501126	3733811	8.85E-04	0.00E+00	8.85E-04	1.54E-04
12624	501122.3	3733820	8.92E-04	0.00E+00	8.92E-04	1.55E-04
12625	501118.6	3733829	8.99E-04	0.00E+00	8.99E-04	1.57E-04
12626	501114.9	3733838	9.06E-04	0.00E+00	9.06E-04	1.58E-04
12627	501111.2	3733847	9.13E-04	0.00E+00	9.13E-04	1.59E-04
12628	501107.5	3733855	9.20E-04	0.00E+00	9.20E-04	1.60E-04
12629	501103.8	3733864	9.27E-04	0.00E+00	9.27E-04	1.62E-04
12630	501100.1	3733873	9.35E-04	0.00E+00	9.35E-04	1.63E-04
12631	501096.4	3733882	9.42E-04	0.00E+00	9.42E-04	1.64E-04
12632	501092.7	3733891	9.50E-04	0.00E+00	9.50E-04	1.65E-04
12633	501089	3733900	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12634	501085.4	3733909	9.64E-04	0.00E+00	9.64E-04	1.68E-04
12635	501081.7	3733918	9.71E-04	0.00E+00	9.71E-04	1.69E-04
12636	501063.2	3733962	1.01E-03	0.00E+00	1.01E-03	1.76E-04

12637	501059.5	3733971	1.02E-03	0.00E+00	1.02E-03	1.77E-04
12638	501055.8	3733980	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12639	501052.1	3733989	1.03E-03	0.00E+00	1.03E-03	1.80E-04
12640	501048.4	3733998	1.04E-03	0.00E+00	1.04E-03	1.81E-04
12641	501044.7	3734006	1.05E-03	0.00E+00	1.05E-03	1.82E-04
12642	501041	3734015	1.06E-03	0.00E+00	1.06E-03	1.84E-04
12643	501037.3	3734024	1.06E-03	0.00E+00	1.06E-03	1.85E-04
12644	501033.6	3734033	1.07E-03	0.00E+00	1.07E-03	1.87E-04
12645	501030	3734042	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12646	501026.3	3734051	1.09E-03	0.00E+00	1.09E-03	1.89E-04
12647	501022.6	3734060	1.09E-03	0.00E+00	1.09E-03	1.91E-04
12648	501018.9	3734069	1.10E-03	0.00E+00	1.10E-03	1.92E-04
12649	500993	3734131	1.16E-03	0.00E+00	1.16E-03	2.02E-04
12650	500989.3	3734140	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12651	500974.5	3734175	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12652	500970.9	3734184	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12653	500967.2	3734193	1.22E-03	0.00E+00	1.22E-03	2.13E-04
12654	500963.5	3734202	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12655	500959.8	3734211	1.24E-03	0.00E+00	1.24E-03	2.16E-04
12656	500956.1	3734220	1.25E-03	0.00E+00	1.25E-03	2.17E-04
12657	500952.4	3734229	1.26E-03	0.00E+00	1.26E-03	2.19E-04
12658	500948.7	3734237	1.26E-03	0.00E+00	1.26E-03	2.20E-04
12659	500945	3734246	1.27E-03	0.00E+00	1.27E-03	2.22E-04
12660	500941.3	3734255	1.28E-03	0.00E+00	1.28E-03	2.23E-04
12661	500937.6	3734264	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12662	500933.9	3734273	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12663	500921.3	3734286	1.32E-03	0.00E+00	1.32E-03	2.31E-04
12664	500912.4	3734289	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12665	500903.5	3734293	1.37E-03	0.00E+00	1.37E-03	2.38E-04
12666	500894.6	3734297	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12667	500885.7	3734300	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12668	500876.9	3734304	1.43E-03	0.00E+00	1.43E-03	2.49E-04
12669	500868	3734308	1.45E-03	0.00E+00	1.45E-03	2.53E-04
12670	500859.1	3734311	1.48E-03	0.00E+00	1.48E-03	2.57E-04
12671	500850.2	3734315	1.50E-03	0.00E+00	1.50E-03	2.61E-04
12672	500841.3	3734319	1.52E-03	0.00E+00	1.52E-03	2.65E-04
12673	500832.4	3734322	1.55E-03	0.00E+00	1.55E-03	2.70E-04
12674	500823.5	3734326	1.57E-03	0.00E+00	1.57E-03	2.74E-04
12675	500814.6	3734330	1.59E-03	0.00E+00	1.59E-03	2.78E-04
12676	500805.7	3734333	1.62E-03	0.00E+00	1.62E-03	2.82E-04
12677	500796.8	3734337	1.64E-03	0.00E+00	1.64E-03	2.86E-04
12678	500787.9	3734341	1.67E-03	0.00E+00	1.67E-03	2.91E-04
12679	500779	3734344	1.69E-03	0.00E+00	1.69E-03	2.95E-04
12680	500716.7	3734370	1.88E-03	0.00E+00	1.88E-03	3.27E-04
12681	500707.8	3734374	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12682	500698.9	3734377	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12683	500690	3734381	1.95E-03	0.00E+00	1.95E-03	3.41E-04

12684	500681.1	3734385	1.98E-03	0.00E+00	1.98E-03	3.45E-04
12685	500672.2	3734388	2.01E-03	0.00E+00	2.01E-03	3.50E-04
12686	500663.3	3734392	2.03E-03	0.00E+00	2.03E-03	3.54E-04
12687	500654.5	3734396	2.06E-03	0.00E+00	2.06E-03	3.59E-04
12688	500645.6	3734399	2.08E-03	0.00E+00	2.08E-03	3.63E-04
12689	500636.7	3734403	2.11E-03	0.00E+00	2.11E-03	3.68E-04
12690	500627.8	3734407	2.14E-03	0.00E+00	2.14E-03	3.72E-04
12691	500592.2	3734421	2.24E-03	0.00E+00	2.24E-03	3.90E-04
12692	500583.3	3734425	2.26E-03	0.00E+00	2.26E-03	3.94E-04
12693	500574.4	3734429	2.29E-03	0.00E+00	2.29E-03	3.99E-04
12694	500565.5	3734432	2.31E-03	0.00E+00	2.31E-03	4.03E-04
12695	500556.6	3734436	2.34E-03	0.00E+00	2.34E-03	4.07E-04
12696	500547.7	3734440	2.36E-03	0.00E+00	2.36E-03	4.11E-04
12697	500538.8	3734443	2.38E-03	0.00E+00	2.38E-03	4.15E-04
12698	500529.9	3734447	2.41E-03	0.00E+00	2.41E-03	4.20E-04
12699	500521	3734451	2.43E-03	0.00E+00	2.43E-03	4.24E-04
12700	500512.1	3734454	2.45E-03	0.00E+00	2.45E-03	4.28E-04
12701	500503.2	3734458	2.48E-03	0.00E+00	2.48E-03	4.31E-04
12702	500494.3	3734462	2.50E-03	0.00E+00	2.50E-03	4.35E-04
12703	500485.4	3734465	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12704	500476.5	3734469	2.54E-03	0.00E+00	2.54E-03	4.43E-04
12705	500467.6	3734473	2.56E-03	0.00E+00	2.56E-03	4.47E-04
12706	500458.7	3734476	2.58E-03	0.00E+00	2.58E-03	4.50E-04
12707	500449.8	3734480	2.61E-03	0.00E+00	2.61E-03	4.54E-04
12708	500441	3734484	2.63E-03	0.00E+00	2.63E-03	4.58E-04
12709	500432.1	3734487	2.65E-03	0.00E+00	2.65E-03	4.62E-04
12710	500245.2	3734564	2.99E-03	0.00E+00	2.99E-03	5.22E-04
12711	500236.3	3734568	3.01E-03	0.00E+00	3.01E-03	5.24E-04
12712	500227.4	3734572	3.02E-03	0.00E+00	3.02E-03	5.26E-04
12713	500218.6	3734575	3.03E-03	0.00E+00	3.03E-03	5.28E-04
12714	501236.8	3733525	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12715	501236.8	3733515	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12716	501236.8	3733506	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12717	501236.8	3733496	7.05E-04	0.00E+00	7.05E-04	1.23E-04
12718	501236.8	3733486	7.05E-04	0.00E+00	7.05E-04	1.23E-04
12719	501236.9	3733476	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12720	501236.9	3733467	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12721	501236.9	3733457	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12722	501236.9	3733447	7.07E-04	0.00E+00	7.07E-04	1.23E-04
12723	501236.9	3733438	7.08E-04	0.00E+00	7.08E-04	1.23E-04
12724	501236.9	3733428	7.09E-04	0.00E+00	7.09E-04	1.24E-04
12725	501236.9	3733418	7.11E-04	0.00E+00	7.11E-04	1.24E-04
12726	501236.9	3733408	7.12E-04	0.00E+00	7.12E-04	1.24E-04
12727	501236.9	3733399	7.14E-04	0.00E+00	7.14E-04	1.24E-04
12728	501236.9	3733389	7.16E-04	0.00E+00	7.16E-04	1.25E-04
12729	501237	3733379	7.17E-04	0.00E+00	7.17E-04	1.25E-04
12730	501237	3733369	7.18E-04	0.00E+00	7.18E-04	1.25E-04

12731	501237	3733360	7.20E-04	0.00E+00	7.20E-04	1.25E-04
12732	501237	3733340	7.23E-04	0.00E+00	7.23E-04	1.26E-04
12733	501237	3733331	7.25E-04	0.00E+00	7.25E-04	1.26E-04
12734	501237	3733321	7.27E-04	0.00E+00	7.27E-04	1.27E-04
12735	501237	3733311	7.29E-04	0.00E+00	7.29E-04	1.27E-04
12736	501237	3733301	7.31E-04	0.00E+00	7.31E-04	1.27E-04
12737	501253.8	3733589	6.93E-04	0.00E+00	6.93E-04	1.21E-04
12738	501250.1	3733598	6.98E-04	0.00E+00	6.98E-04	1.22E-04
12739	501246.4	3733607	7.03E-04	0.00E+00	7.03E-04	1.22E-04
12740	501242.7	3733616	7.08E-04	0.00E+00	7.08E-04	1.23E-04
12741	501238.9	3733625	7.13E-04	0.00E+00	7.13E-04	1.24E-04
12742	501235.2	3733634	7.18E-04	0.00E+00	7.18E-04	1.25E-04
12743	501231.5	3733643	7.23E-04	0.00E+00	7.23E-04	1.26E-04
12744	501227.7	3733652	7.28E-04	0.00E+00	7.28E-04	1.27E-04
12745	501224	3733661	7.34E-04	0.00E+00	7.34E-04	1.28E-04
12746	501220.3	3733670	7.39E-04	0.00E+00	7.39E-04	1.29E-04
12747	501216.5	3733679	7.45E-04	0.00E+00	7.45E-04	1.30E-04
12748	501212.8	3733688	7.50E-04	0.00E+00	7.50E-04	1.31E-04
12749	501209.1	3733697	7.56E-04	0.00E+00	7.56E-04	1.32E-04
12750	501205.4	3733706	7.62E-04	0.00E+00	7.62E-04	1.33E-04
12751	501201.6	3733715	7.68E-04	0.00E+00	7.68E-04	1.34E-04
12752	501197.9	3733724	7.74E-04	0.00E+00	7.74E-04	1.35E-04
12753	501194.2	3733733	7.80E-04	0.00E+00	7.80E-04	1.36E-04
12754	501179.2	3733769	8.05E-04	0.00E+00	8.05E-04	1.40E-04
12755	501175.5	3733778	8.11E-04	0.00E+00	8.11E-04	1.41E-04
12756	501171.8	3733787	8.17E-04	0.00E+00	8.17E-04	1.42E-04
12757	501168.1	3733796	8.24E-04	0.00E+00	8.24E-04	1.44E-04
12758	501164.3	3733805	8.30E-04	0.00E+00	8.30E-04	1.45E-04
12759	501160.6	3733814	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12760	501156.9	3733823	8.43E-04	0.00E+00	8.43E-04	1.47E-04
12761	501153.1	3733832	8.50E-04	0.00E+00	8.50E-04	1.48E-04
12762	501149.4	3733841	8.57E-04	0.00E+00	8.57E-04	1.49E-04
12763	501145.7	3733850	8.63E-04	0.00E+00	8.63E-04	1.50E-04
12764	501141.9	3733859	8.70E-04	0.00E+00	8.70E-04	1.52E-04
12765	501138.2	3733868	8.77E-04	0.00E+00	8.77E-04	1.53E-04
12766	501134.5	3733877	8.83E-04	0.00E+00	8.83E-04	1.54E-04
12767	501130.8	3733885	8.90E-04	0.00E+00	8.90E-04	1.55E-04
12768	501127	3733894	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12769	501123.3	3733903	9.04E-04	0.00E+00	9.04E-04	1.57E-04
12770	501119.6	3733912	9.11E-04	0.00E+00	9.11E-04	1.59E-04
12771	501115.8	3733921	9.18E-04	0.00E+00	9.18E-04	1.60E-04
12772	501112.1	3733930	9.25E-04	0.00E+00	9.25E-04	1.61E-04
12773	501108.4	3733939	9.32E-04	0.00E+00	9.32E-04	1.62E-04
12774	501104.6	3733948	9.39E-04	0.00E+00	9.39E-04	1.64E-04
12775	501100.9	3733957	9.46E-04	0.00E+00	9.46E-04	1.65E-04
12776	501097.2	3733966	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12777	501093.5	3733975	9.60E-04	0.00E+00	9.60E-04	1.67E-04

12778	501089.7	3733984	9.67E-04	0.00E+00	9.67E-04	1.68E-04
12779	501086	3733993	9.74E-04	0.00E+00	9.74E-04	1.70E-04
12780	501082.3	3734002	9.81E-04	0.00E+00	9.81E-04	1.71E-04
12781	501078.5	3734011	9.88E-04	0.00E+00	9.88E-04	1.72E-04
12782	501074.8	3734020	9.96E-04	0.00E+00	9.96E-04	1.73E-04
12783	501071.1	3734029	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12784	501067.3	3734038	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12785	501063.6	3734047	1.02E-03	0.00E+00	1.02E-03	1.77E-04
12786	501059.9	3734056	1.02E-03	0.00E+00	1.02E-03	1.79E-04
12787	501056.2	3734065	1.03E-03	0.00E+00	1.03E-03	1.80E-04
12788	501052.4	3734074	1.04E-03	0.00E+00	1.04E-03	1.81E-04
12789	501048.7	3734083	1.05E-03	0.00E+00	1.05E-03	1.82E-04
12790	501045	3734092	1.05E-03	0.00E+00	1.05E-03	1.84E-04
12791	501041.2	3734101	1.06E-03	0.00E+00	1.06E-03	1.85E-04
12792	501037.5	3734110	1.07E-03	0.00E+00	1.07E-03	1.86E-04
12793	501033.8	3734119	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12794	501030	3734128	1.09E-03	0.00E+00	1.09E-03	1.89E-04
12795	501026.3	3734137	1.09E-03	0.00E+00	1.09E-03	1.90E-04
12796	500992.7	3734217	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12797	500989	3734226	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12798	500985.3	3734235	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12799	500981.6	3734244	1.19E-03	0.00E+00	1.19E-03	2.07E-04
12800	500977.8	3734253	1.19E-03	0.00E+00	1.19E-03	2.08E-04
12801	500974.1	3734262	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12802	500970.4	3734271	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12803	500966.6	3734280	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12804	500962.9	3734289	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12805	500959.2	3734298	1.23E-03	0.00E+00	1.23E-03	2.15E-04
12806	500946.5	3734311	1.26E-03	0.00E+00	1.26E-03	2.20E-04
12807	500937.5	3734315	1.28E-03	0.00E+00	1.28E-03	2.24E-04
12808	500928.5	3734318	1.30E-03	0.00E+00	1.30E-03	2.27E-04
12809	500919.5	3734322	1.32E-03	0.00E+00	1.32E-03	2.31E-04
12810	500910.5	3734326	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12811	500901.5	3734329	1.36E-03	0.00E+00	1.36E-03	2.38E-04
12812	500892.6	3734333	1.39E-03	0.00E+00	1.39E-03	2.41E-04
12813	500883.6	3734337	1.41E-03	0.00E+00	1.41E-03	2.45E-04
12814	500874.6	3734341	1.43E-03	0.00E+00	1.43E-03	2.49E-04
12815	500865.6	3734344	1.45E-03	0.00E+00	1.45E-03	2.53E-04
12816	500802.7	3734370	1.61E-03	0.00E+00	1.61E-03	2.81E-04
12817	500793.7	3734374	1.63E-03	0.00E+00	1.63E-03	2.85E-04
12818	500784.7	3734378	1.66E-03	0.00E+00	1.66E-03	2.89E-04
12819	500775.8	3734381	1.68E-03	0.00E+00	1.68E-03	2.93E-04
12820	500766.8	3734385	1.71E-03	0.00E+00	1.71E-03	2.97E-04
12821	500757.8	3734389	1.73E-03	0.00E+00	1.73E-03	3.02E-04
12822	500748.8	3734392	1.76E-03	0.00E+00	1.76E-03	3.06E-04
12823	500739.8	3734396	1.78E-03	0.00E+00	1.78E-03	3.11E-04
12824	500730.8	3734400	1.81E-03	0.00E+00	1.81E-03	3.15E-04

12825	500721.9	3734403	1.83E-03	0.00E+00	1.83E-03	3.19E-04
12826	500712.9	3734407	1.86E-03	0.00E+00	1.86E-03	3.24E-04
12827	500703.9	3734411	1.88E-03	0.00E+00	1.88E-03	3.28E-04
12828	500694.9	3734415	1.91E-03	0.00E+00	1.91E-03	3.32E-04
12829	500685.9	3734418	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12830	500676.9	3734422	1.96E-03	0.00E+00	1.96E-03	3.41E-04
12831	500668	3734426	1.98E-03	0.00E+00	1.98E-03	3.45E-04
12832	500659	3734429	2.00E-03	0.00E+00	2.00E-03	3.49E-04
12833	500650	3734433	2.03E-03	0.00E+00	2.03E-03	3.53E-04
12834	500641	3734437	2.05E-03	0.00E+00	2.05E-03	3.58E-04
12835	500632	3734441	2.08E-03	0.00E+00	2.08E-03	3.62E-04
12836	500623	3734444	2.10E-03	0.00E+00	2.10E-03	3.66E-04
12837	500587.1	3734459	2.20E-03	0.00E+00	2.20E-03	3.83E-04
12838	500578.1	3734463	2.22E-03	0.00E+00	2.22E-03	3.87E-04
12839	500569.1	3734466	2.24E-03	0.00E+00	2.24E-03	3.91E-04
12840	500560.1	3734470	2.26E-03	0.00E+00	2.26E-03	3.95E-04
12841	500551.2	3734474	2.29E-03	0.00E+00	2.29E-03	3.98E-04
12842	500542.2	3734478	2.31E-03	0.00E+00	2.31E-03	4.02E-04
12843	500533.2	3734481	2.33E-03	0.00E+00	2.33E-03	4.06E-04
12844	500524.2	3734485	2.35E-03	0.00E+00	2.35E-03	4.10E-04
12845	500326.6	3734566	2.76E-03	0.00E+00	2.76E-03	4.80E-04
12846	500317.6	3734570	2.77E-03	0.00E+00	2.77E-03	4.83E-04
12847	500308.6	3734574	2.79E-03	0.00E+00	2.79E-03	4.85E-04
12848	500299.6	3734578	2.80E-03	0.00E+00	2.80E-03	4.88E-04
12849	500290.6	3734581	2.81E-03	0.00E+00	2.81E-03	4.90E-04
12850	500281.6	3734585	2.82E-03	0.00E+00	2.82E-03	4.92E-04
12851	500272.7	3734589	2.84E-03	0.00E+00	2.84E-03	4.94E-04
12852	500263.7	3734592	2.85E-03	0.00E+00	2.85E-03	4.96E-04
12853	500254.7	3734596	2.86E-03	0.00E+00	2.86E-03	4.99E-04
12854	500245.7	3734600	2.87E-03	0.00E+00	2.87E-03	5.01E-04
12855	500236.7	3734603	2.88E-03	0.00E+00	2.88E-03	5.02E-04
12856	500227.7	3734607	2.89E-03	0.00E+00	2.89E-03	5.04E-04
12857	500218.7	3734611	2.90E-03	0.00E+00	2.90E-03	5.06E-04
12858	501272.5	3733545	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12859	501272.5	3733535	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12860	501272.5	3733525	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12861	501272.5	3733515	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12862	501272.5	3733506	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12863	501272.5	3733496	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12864	501272.6	3733486	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12865	501272.6	3733476	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12866	501272.6	3733467	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12867	501272.6	3733457	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12868	501272.6	3733447	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12869	501272.6	3733438	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12870	501272.6	3733428	6.73E-04	0.00E+00	6.73E-04	1.17E-04
12871	501272.6	3733418	6.74E-04	0.00E+00	6.74E-04	1.17E-04

12872	501272.6	3733408	6.75E-04	0.00E+00	6.75E-04	1.18E-04
12873	501272.6	3733399	6.76E-04	0.00E+00	6.76E-04	1.18E-04
12874	501272.7	3733389	6.78E-04	0.00E+00	6.78E-04	1.18E-04
12875	501272.7	3733379	6.79E-04	0.00E+00	6.79E-04	1.18E-04
12876	501272.7	3733369	6.80E-04	0.00E+00	6.80E-04	1.19E-04
12877	501272.7	3733360	6.82E-04	0.00E+00	6.82E-04	1.19E-04
12878	501272.7	3733340	6.85E-04	0.00E+00	6.85E-04	1.19E-04
12879	501272.7	3733331	6.87E-04	0.00E+00	6.87E-04	1.20E-04
12880	501272.7	3733321	6.89E-04	0.00E+00	6.89E-04	1.20E-04
12881	501272.7	3733311	6.91E-04	0.00E+00	6.91E-04	1.20E-04
12882	501272.7	3733301	6.93E-04	0.00E+00	6.93E-04	1.21E-04
12883	501272.8	3733282	6.99E-04	0.00E+00	6.99E-04	1.22E-04
12884	501272.8	3733272	7.02E-04	0.00E+00	7.02E-04	1.22E-04
12885	501272.8	3733263	7.04E-04	0.00E+00	7.04E-04	1.23E-04
12886	501272.8	3733253	7.07E-04	0.00E+00	7.07E-04	1.23E-04
12887	501272.8	3733243	7.10E-04	0.00E+00	7.10E-04	1.24E-04
12888	501304.5	3733554	6.43E-04	0.00E+00	6.43E-04	1.12E-04
12889	501282.2	3733607	6.67E-04	0.00E+00	6.67E-04	1.16E-04
12890	501278.4	3733616	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12891	501274.7	3733625	6.77E-04	0.00E+00	6.77E-04	1.18E-04
12892	501271	3733634	6.81E-04	0.00E+00	6.81E-04	1.19E-04
12893	501267.3	3733643	6.86E-04	0.00E+00	6.86E-04	1.20E-04
12894	501263.5	3733652	6.91E-04	0.00E+00	6.91E-04	1.20E-04
12895	501259.8	3733661	6.96E-04	0.00E+00	6.96E-04	1.21E-04
12896	501256.1	3733670	7.01E-04	0.00E+00	7.01E-04	1.22E-04
12897	501252.4	3733679	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12898	501248.7	3733688	7.11E-04	0.00E+00	7.11E-04	1.24E-04
12899	501244.9	3733697	7.17E-04	0.00E+00	7.17E-04	1.25E-04
12900	501241.2	3733706	7.22E-04	0.00E+00	7.22E-04	1.26E-04
12901	501237.5	3733715	7.27E-04	0.00E+00	7.27E-04	1.27E-04
12902	501233.8	3733724	7.33E-04	0.00E+00	7.33E-04	1.28E-04
12903	501230	3733733	7.38E-04	0.00E+00	7.38E-04	1.29E-04
12904	501226.3	3733742	7.44E-04	0.00E+00	7.44E-04	1.30E-04
12905	501215.2	3733768	7.61E-04	0.00E+00	7.61E-04	1.33E-04
12906	501211.4	3733777	7.67E-04	0.00E+00	7.67E-04	1.34E-04
12907	501207.7	3733786	7.73E-04	0.00E+00	7.73E-04	1.35E-04
12908	501204	3733795	7.79E-04	0.00E+00	7.79E-04	1.36E-04
12909	501200.3	3733804	7.85E-04	0.00E+00	7.85E-04	1.37E-04
12910	501196.5	3733813	7.91E-04	0.00E+00	7.91E-04	1.38E-04
12911	501192.8	3733822	7.97E-04	0.00E+00	7.97E-04	1.39E-04
12912	501189.1	3733831	8.03E-04	0.00E+00	8.03E-04	1.40E-04
12913	501185.4	3733840	8.09E-04	0.00E+00	8.09E-04	1.41E-04
12914	501181.7	3733849	8.15E-04	0.00E+00	8.15E-04	1.42E-04
12915	501177.9	3733858	8.22E-04	0.00E+00	8.22E-04	1.43E-04
12916	501174.2	3733867	8.28E-04	0.00E+00	8.28E-04	1.44E-04
12917	501170.5	3733876	8.34E-04	0.00E+00	8.34E-04	1.45E-04
12918	501166.8	3733885	8.40E-04	0.00E+00	8.40E-04	1.46E-04

12919	501163	3733894	8.46E-04	0.00E+00	8.46E-04	1.47E-04
12920	501159.3	3733903	8.53E-04	0.00E+00	8.53E-04	1.49E-04
12921	501155.6	3733912	8.59E-04	0.00E+00	8.59E-04	1.50E-04
12922	501151.9	3733921	8.65E-04	0.00E+00	8.65E-04	1.51E-04
12923	501148.2	3733930	8.72E-04	0.00E+00	8.72E-04	1.52E-04
12924	501144.4	3733939	8.78E-04	0.00E+00	8.78E-04	1.53E-04
12925	501140.7	3733947	8.84E-04	0.00E+00	8.84E-04	1.54E-04
12926	501137	3733956	8.91E-04	0.00E+00	8.91E-04	1.55E-04
12927	501133.3	3733965	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12928	501129.5	3733974	9.04E-04	0.00E+00	9.04E-04	1.58E-04
12929	501125.8	3733983	9.11E-04	0.00E+00	9.11E-04	1.59E-04
12930	501122.1	3733992	9.17E-04	0.00E+00	9.17E-04	1.60E-04
12931	501118.4	3734001	9.23E-04	0.00E+00	9.23E-04	1.61E-04
12932	501114.7	3734010	9.29E-04	0.00E+00	9.29E-04	1.62E-04
12933	501110.9	3734019	9.36E-04	0.00E+00	9.36E-04	1.63E-04
12934	501107.2	3734028	9.43E-04	0.00E+00	9.43E-04	1.64E-04
12935	501103.5	3734037	9.50E-04	0.00E+00	9.50E-04	1.66E-04
12936	501099.8	3734046	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12937	501096	3734055	9.64E-04	0.00E+00	9.64E-04	1.68E-04
12938	501092.3	3734064	9.71E-04	0.00E+00	9.71E-04	1.69E-04
12939	501088.6	3734073	9.77E-04	0.00E+00	9.77E-04	1.70E-04
12940	501084.9	3734082	9.84E-04	0.00E+00	9.84E-04	1.72E-04
12941	501081.2	3734091	9.91E-04	0.00E+00	9.91E-04	1.73E-04
12942	501077.4	3734100	9.98E-04	0.00E+00	9.98E-04	1.74E-04
12943	501073.7	3734109	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12944	501070	3734118	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12945	501066.3	3734127	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12946	501062.5	3734136	1.03E-03	0.00E+00	1.03E-03	1.79E-04
12947	501047.7	3734171	1.05E-03	0.00E+00	1.05E-03	1.84E-04
12948	501043.9	3734180	1.06E-03	0.00E+00	1.06E-03	1.85E-04
12949	501040.2	3734189	1.07E-03	0.00E+00	1.07E-03	1.86E-04
12950	501036.5	3734198	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12951	501032.8	3734207	1.08E-03	0.00E+00	1.08E-03	1.89E-04
12952	501029	3734216	1.09E-03	0.00E+00	1.09E-03	1.90E-04
12953	501025.3	3734225	1.10E-03	0.00E+00	1.10E-03	1.91E-04
12954	501021.6	3734234	1.11E-03	0.00E+00	1.11E-03	1.93E-04
12955	501017.9	3734243	1.11E-03	0.00E+00	1.11E-03	1.94E-04
12956	500991.8	3734306	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12957	500988.1	3734315	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12958	500984.4	3734324	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12959	500971.7	3734336	1.20E-03	0.00E+00	1.20E-03	2.10E-04
12960	500962.7	3734340	1.22E-03	0.00E+00	1.22E-03	2.13E-04
12961	500953.8	3734344	1.24E-03	0.00E+00	1.24E-03	2.17E-04
12962	500891	3734369	1.38E-03	0.00E+00	1.38E-03	2.41E-04
12963	500882	3734373	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12964	500873.1	3734377	1.42E-03	0.00E+00	1.42E-03	2.48E-04
12965	500864.1	3734381	1.44E-03	0.00E+00	1.44E-03	2.52E-04

12966	500855.1	3734384	1.47E-03	0.00E+00	1.47E-03	2.55E-04
12967	500846.2	3734388	1.49E-03	0.00E+00	1.49E-03	2.59E-04
12968	500837.2	3734392	1.51E-03	0.00E+00	1.51E-03	2.63E-04
12969	500828.3	3734395	1.53E-03	0.00E+00	1.53E-03	2.67E-04
12970	500819.3	3734399	1.55E-03	0.00E+00	1.55E-03	2.70E-04
12971	500810.3	3734403	1.57E-03	0.00E+00	1.57E-03	2.74E-04
12972	500801.4	3734406	1.60E-03	0.00E+00	1.60E-03	2.78E-04
12973	500792.4	3734410	1.62E-03	0.00E+00	1.62E-03	2.82E-04
12974	500783.4	3734414	1.64E-03	0.00E+00	1.64E-03	2.86E-04
12975	500774.5	3734417	1.66E-03	0.00E+00	1.66E-03	2.90E-04
12976	500765.5	3734421	1.69E-03	0.00E+00	1.69E-03	2.94E-04
12977	500756.5	3734425	1.71E-03	0.00E+00	1.71E-03	2.98E-04
12978	500747.6	3734429	1.74E-03	0.00E+00	1.74E-03	3.02E-04
12979	500738.6	3734432	1.76E-03	0.00E+00	1.76E-03	3.07E-04
12980	500729.6	3734436	1.78E-03	0.00E+00	1.78E-03	3.11E-04
12981	500720.7	3734440	1.81E-03	0.00E+00	1.81E-03	3.15E-04
12982	500711.7	3734443	1.83E-03	0.00E+00	1.83E-03	3.19E-04
12983	500702.7	3734447	1.85E-03	0.00E+00	1.85E-03	3.23E-04
12984	500693.8	3734451	1.87E-03	0.00E+00	1.87E-03	3.27E-04
12985	500684.8	3734454	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12986	500675.8	3734458	1.92E-03	0.00E+00	1.92E-03	3.35E-04
12987	500666.9	3734462	1.94E-03	0.00E+00	1.94E-03	3.38E-04
12988	500657.9	3734466	1.97E-03	0.00E+00	1.97E-03	3.42E-04
12989	500648.9	3734469	1.99E-03	0.00E+00	1.99E-03	3.46E-04
12990	500640	3734473	2.01E-03	0.00E+00	2.01E-03	3.50E-04
12991	500631	3734477	2.03E-03	0.00E+00	2.03E-03	3.54E-04
12992	500622.1	3734480	2.06E-03	0.00E+00	2.06E-03	3.58E-04
12993	500415.9	3734565	2.51E-03	0.00E+00	2.51E-03	4.37E-04
12994	500406.9	3734569	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12995	500397.9	3734573	2.54E-03	0.00E+00	2.54E-03	4.42E-04
12996	500389	3734576	2.55E-03	0.00E+00	2.55E-03	4.45E-04
12997	500380	3734580	2.57E-03	0.00E+00	2.57E-03	4.48E-04
12998	500371	3734584	2.58E-03	0.00E+00	2.58E-03	4.50E-04
12999	500362.1	3734587	2.60E-03	0.00E+00	2.60E-03	4.53E-04
13000	500353.1	3734591	2.61E-03	0.00E+00	2.61E-03	4.55E-04
13001	500344.1	3734595	2.63E-03	0.00E+00	2.63E-03	4.58E-04
13002	500335.2	3734599	2.64E-03	0.00E+00	2.64E-03	4.60E-04
13003	500326.2	3734602	2.65E-03	0.00E+00	2.65E-03	4.62E-04
13004	500317.2	3734606	2.67E-03	0.00E+00	2.67E-03	4.65E-04
13005	500308.3	3734610	2.68E-03	0.00E+00	2.68E-03	4.67E-04
13006	500299.3	3734613	2.69E-03	0.00E+00	2.69E-03	4.69E-04
13007	500290.3	3734617	2.70E-03	0.00E+00	2.70E-03	4.71E-04
13008	500281.4	3734621	2.72E-03	0.00E+00	2.72E-03	4.73E-04
13009	500272.4	3734624	2.73E-03	0.00E+00	2.73E-03	4.75E-04
13010	500263.4	3734628	2.74E-03	0.00E+00	2.74E-03	4.77E-04
13011	500254.5	3734632	2.75E-03	0.00E+00	2.75E-03	4.79E-04
13012	500245.5	3734636	2.76E-03	0.00E+00	2.76E-03	4.81E-04

13013	500236.5	3734639	2.77E-03	0.00E+00	2.77E-03	4.83E-04
13014	500227.6	3734643	2.78E-03	0.00E+00	2.78E-03	4.84E-04
13015	500218.6	3734647	2.79E-03	0.00E+00	2.79E-03	4.86E-04
13016	501308.2	3733545	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13017	501308.2	3733535	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13018	501308.2	3733525	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13019	501308.2	3733515	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13020	501308.3	3733506	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13021	501308.3	3733496	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13022	501308.3	3733486	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13023	501308.3	3733476	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13024	501308.3	3733467	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13025	501308.3	3733457	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13026	501308.3	3733447	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13027	501308.3	3733438	6.40E-04	0.00E+00	6.40E-04	1.11E-04
13028	501308.3	3733428	6.41E-04	0.00E+00	6.41E-04	1.12E-04
13029	501308.3	3733418	6.41E-04	0.00E+00	6.41E-04	1.12E-04
13030	501308.4	3733408	6.42E-04	0.00E+00	6.42E-04	1.12E-04
13031	501308.4	3733399	6.43E-04	0.00E+00	6.43E-04	1.12E-04
13032	501308.4	3733389	6.44E-04	0.00E+00	6.44E-04	1.12E-04
13033	501308.4	3733379	6.46E-04	0.00E+00	6.46E-04	1.12E-04
13034	501308.4	3733370	6.47E-04	0.00E+00	6.47E-04	1.13E-04
13035	501308.4	3733360	6.48E-04	0.00E+00	6.48E-04	1.13E-04
13036	501308.4	3733331	6.53E-04	0.00E+00	6.53E-04	1.14E-04
13037	501308.4	3733321	6.55E-04	0.00E+00	6.55E-04	1.14E-04
13038	501308.5	3733311	6.57E-04	0.00E+00	6.57E-04	1.14E-04
13039	501308.5	3733301	6.59E-04	0.00E+00	6.59E-04	1.15E-04
13040	501308.5	3733282	6.63E-04	0.00E+00	6.63E-04	1.16E-04
13041	501308.5	3733272	6.65E-04	0.00E+00	6.65E-04	1.16E-04
13042	501308.5	3733263	6.68E-04	0.00E+00	6.68E-04	1.16E-04
13043	501308.5	3733253	6.70E-04	0.00E+00	6.70E-04	1.17E-04
13044	501340.2	3733554	6.12E-04	0.00E+00	6.12E-04	1.07E-04
13045	501336.5	3733562	6.16E-04	0.00E+00	6.16E-04	1.07E-04
13046	501332.8	3733571	6.19E-04	0.00E+00	6.19E-04	1.08E-04
13047	501280.8	3733697	6.80E-04	0.00E+00	6.80E-04	1.19E-04
13048	501277.1	3733705	6.85E-04	0.00E+00	6.85E-04	1.19E-04
13049	501273.3	3733714	6.90E-04	0.00E+00	6.90E-04	1.20E-04
13050	501269.6	3733723	6.95E-04	0.00E+00	6.95E-04	1.21E-04
13051	501265.9	3733732	7.00E-04	0.00E+00	7.00E-04	1.22E-04
13052	501262.2	3733741	7.06E-04	0.00E+00	7.06E-04	1.23E-04
13053	501251.1	3733768	7.22E-04	0.00E+00	7.22E-04	1.26E-04
13054	501247.3	3733777	7.27E-04	0.00E+00	7.27E-04	1.27E-04
13055	501243.6	3733786	7.32E-04	0.00E+00	7.32E-04	1.28E-04
13056	501239.9	3733795	7.38E-04	0.00E+00	7.38E-04	1.29E-04
13057	501236.2	3733804	7.43E-04	0.00E+00	7.43E-04	1.30E-04
13058	501232.5	3733813	7.49E-04	0.00E+00	7.49E-04	1.31E-04
13059	501228.8	3733822	7.55E-04	0.00E+00	7.55E-04	1.31E-04

13060	501225.1	3733831	7.60E-04	0.00E+00	7.60E-04	1.32E-04
13061	501221.3	3733839	7.66E-04	0.00E+00	7.66E-04	1.33E-04
13062	501217.6	3733848	7.71E-04	0.00E+00	7.71E-04	1.34E-04
13063	501213.9	3733857	7.77E-04	0.00E+00	7.77E-04	1.35E-04
13064	501210.2	3733866	7.82E-04	0.00E+00	7.82E-04	1.36E-04
13065	501206.5	3733875	7.87E-04	0.00E+00	7.87E-04	1.37E-04
13066	501202.8	3733884	7.93E-04	0.00E+00	7.93E-04	1.38E-04
13067	501199	3733893	8.00E-04	0.00E+00	8.00E-04	1.39E-04
13068	501195.3	3733902	8.06E-04	0.00E+00	8.06E-04	1.40E-04
13069	501191.6	3733911	8.11E-04	0.00E+00	8.11E-04	1.41E-04
13070	501187.9	3733920	8.17E-04	0.00E+00	8.17E-04	1.42E-04
13071	501184.2	3733929	8.22E-04	0.00E+00	8.22E-04	1.43E-04
13072	501180.5	3733938	8.28E-04	0.00E+00	8.28E-04	1.44E-04
13073	501176.8	3733947	8.33E-04	0.00E+00	8.33E-04	1.45E-04
13074	501173	3733956	8.39E-04	0.00E+00	8.39E-04	1.46E-04
13075	501169.3	3733965	8.44E-04	0.00E+00	8.44E-04	1.47E-04
13076	501165.6	3733974	8.50E-04	0.00E+00	8.50E-04	1.48E-04
13077	501161.9	3733982	8.56E-04	0.00E+00	8.56E-04	1.49E-04
13078	501158.2	3733991	8.62E-04	0.00E+00	8.62E-04	1.50E-04
13079	501154.5	3734000	8.69E-04	0.00E+00	8.69E-04	1.51E-04
13080	501150.8	3734009	8.75E-04	0.00E+00	8.75E-04	1.52E-04
13081	501147	3734018	8.81E-04	0.00E+00	8.81E-04	1.53E-04
13082	501143.3	3734027	8.86E-04	0.00E+00	8.86E-04	1.54E-04
13083	501139.6	3734036	8.92E-04	0.00E+00	8.92E-04	1.55E-04
13084	501135.9	3734045	8.98E-04	0.00E+00	8.98E-04	1.57E-04
13085	501132.2	3734054	9.05E-04	0.00E+00	9.05E-04	1.58E-04
13086	501128.5	3734063	9.11E-04	0.00E+00	9.11E-04	1.59E-04
13087	501124.7	3734072	9.18E-04	0.00E+00	9.18E-04	1.60E-04
13088	501121	3734081	9.24E-04	0.00E+00	9.24E-04	1.61E-04
13089	501117.3	3734090	9.31E-04	0.00E+00	9.31E-04	1.62E-04
13090	501113.6	3734099	9.37E-04	0.00E+00	9.37E-04	1.63E-04
13091	501109.9	3734108	9.43E-04	0.00E+00	9.43E-04	1.64E-04
13092	501106.2	3734117	9.49E-04	0.00E+00	9.49E-04	1.65E-04
13093	501102.5	3734125	9.55E-04	0.00E+00	9.55E-04	1.66E-04
13094	501098.7	3734134	9.62E-04	0.00E+00	9.62E-04	1.68E-04
13095	501095	3734143	9.69E-04	0.00E+00	9.69E-04	1.69E-04
13096	501083.9	3734170	9.90E-04	0.00E+00	9.90E-04	1.73E-04
13097	501080.2	3734179	9.97E-04	0.00E+00	9.97E-04	1.74E-04
13098	501076.5	3734188	1.00E-03	0.00E+00	1.00E-03	1.75E-04
13099	501072.7	3734197	1.01E-03	0.00E+00	1.01E-03	1.76E-04
13100	501069	3734206	1.02E-03	0.00E+00	1.02E-03	1.78E-04
13101	501065.3	3734215	1.03E-03	0.00E+00	1.03E-03	1.79E-04
13102	501061.6	3734224	1.03E-03	0.00E+00	1.03E-03	1.80E-04
13103	501057.9	3734233	1.04E-03	0.00E+00	1.04E-03	1.81E-04
13104	501054.2	3734242	1.05E-03	0.00E+00	1.05E-03	1.82E-04
13105	501050.5	3734251	1.05E-03	0.00E+00	1.05E-03	1.83E-04
13106	501046.7	3734259	1.06E-03	0.00E+00	1.06E-03	1.85E-04

13107	501043	3734268	1.07E-03	0.00E+00	1.07E-03	1.86E-04
13108	501039.3	3734277	1.07E-03	0.00E+00	1.07E-03	1.87E-04
13109	501035.6	3734286	1.08E-03	0.00E+00	1.08E-03	1.88E-04
13110	501031.9	3734295	1.09E-03	0.00E+00	1.09E-03	1.89E-04
13111	501028.2	3734304	1.09E-03	0.00E+00	1.09E-03	1.90E-04
13112	501024.4	3734313	1.10E-03	0.00E+00	1.10E-03	1.92E-04
13113	501020.7	3734322	1.11E-03	0.00E+00	1.11E-03	1.93E-04
13114	500988	3734365	1.17E-03	0.00E+00	1.17E-03	2.03E-04
13115	500979	3734369	1.18E-03	0.00E+00	1.18E-03	2.06E-04
13116	500970.1	3734373	1.20E-03	0.00E+00	1.20E-03	2.10E-04
13117	500961.1	3734376	1.22E-03	0.00E+00	1.22E-03	2.13E-04
13118	500952.2	3734380	1.24E-03	0.00E+00	1.24E-03	2.16E-04
13119	500943.2	3734384	1.26E-03	0.00E+00	1.26E-03	2.20E-04
13120	500934.3	3734387	1.28E-03	0.00E+00	1.28E-03	2.23E-04
13121	500925.3	3734391	1.30E-03	0.00E+00	1.30E-03	2.26E-04
13122	500916.4	3734395	1.32E-03	0.00E+00	1.32E-03	2.29E-04
13123	500907.5	3734398	1.34E-03	0.00E+00	1.34E-03	2.33E-04
13124	500898.5	3734402	1.36E-03	0.00E+00	1.36E-03	2.36E-04
13125	500889.6	3734406	1.38E-03	0.00E+00	1.38E-03	2.40E-04
13126	500880.6	3734409	1.39E-03	0.00E+00	1.39E-03	2.43E-04
13127	500871.7	3734413	1.41E-03	0.00E+00	1.41E-03	2.47E-04
13128	500862.7	3734417	1.44E-03	0.00E+00	1.44E-03	2.50E-04
13129	500853.8	3734420	1.46E-03	0.00E+00	1.46E-03	2.54E-04
13130	500844.8	3734424	1.48E-03	0.00E+00	1.48E-03	2.57E-04
13131	500835.9	3734428	1.50E-03	0.00E+00	1.50E-03	2.61E-04
13132	500826.9	3734432	1.52E-03	0.00E+00	1.52E-03	2.64E-04
13133	500818	3734435	1.54E-03	0.00E+00	1.54E-03	2.68E-04
13134	500809	3734439	1.56E-03	0.00E+00	1.56E-03	2.72E-04
13135	500800.1	3734443	1.58E-03	0.00E+00	1.58E-03	2.75E-04
13136	500791.1	3734446	1.60E-03	0.00E+00	1.60E-03	2.79E-04
13137	500782.2	3734450	1.63E-03	0.00E+00	1.63E-03	2.83E-04
13138	500773.2	3734454	1.65E-03	0.00E+00	1.65E-03	2.87E-04
13139	500764.3	3734457	1.67E-03	0.00E+00	1.67E-03	2.91E-04
13140	500755.3	3734461	1.69E-03	0.00E+00	1.69E-03	2.95E-04
13141	500746.4	3734465	1.71E-03	0.00E+00	1.71E-03	2.98E-04
13142	500737.5	3734468	1.73E-03	0.00E+00	1.73E-03	3.02E-04
13143	500728.5	3734472	1.76E-03	0.00E+00	1.76E-03	3.06E-04
13144	500719.6	3734476	1.78E-03	0.00E+00	1.78E-03	3.10E-04
13145	500710.6	3734480	1.80E-03	0.00E+00	1.80E-03	3.13E-04
13146	500701.7	3734483	1.82E-03	0.00E+00	1.82E-03	3.17E-04
13147	500692.7	3734487	1.84E-03	0.00E+00	1.84E-03	3.21E-04
13148	500683.8	3734491	1.86E-03	0.00E+00	1.86E-03	3.25E-04
13149	500674.8	3734494	1.88E-03	0.00E+00	1.88E-03	3.28E-04
13150	500665.9	3734498	1.91E-03	0.00E+00	1.91E-03	3.32E-04
13151	500656.9	3734502	1.93E-03	0.00E+00	1.93E-03	3.36E-04
13152	500648	3734505	1.95E-03	0.00E+00	1.95E-03	3.39E-04
13153	500639	3734509	1.97E-03	0.00E+00	1.97E-03	3.43E-04

13154	500630.1	3734513	1.99E-03	0.00E+00	1.99E-03	3.47E-04
13155	500621.1	3734516	2.01E-03	0.00E+00	2.01E-03	3.50E-04
13156	500495.9	3734568	2.27E-03	0.00E+00	2.27E-03	3.96E-04
13157	500486.9	3734572	2.29E-03	0.00E+00	2.29E-03	3.99E-04
13158	500478	3734575	2.31E-03	0.00E+00	2.31E-03	4.02E-04
13159	500469	3734579	2.33E-03	0.00E+00	2.33E-03	4.05E-04
13160	500460.1	3734583	2.34E-03	0.00E+00	2.34E-03	4.08E-04
13161	500451.1	3734586	2.36E-03	0.00E+00	2.36E-03	4.11E-04
13162	500442.2	3734590	2.38E-03	0.00E+00	2.38E-03	4.14E-04
13163	500433.2	3734594	2.39E-03	0.00E+00	2.39E-03	4.17E-04
13164	500424.3	3734598	2.41E-03	0.00E+00	2.41E-03	4.19E-04
13165	500415.3	3734601	2.42E-03	0.00E+00	2.42E-03	4.22E-04
13166	500406.4	3734605	2.44E-03	0.00E+00	2.44E-03	4.24E-04
13167	500397.4	3734609	2.45E-03	0.00E+00	2.45E-03	4.27E-04
13168	500388.5	3734612	2.47E-03	0.00E+00	2.47E-03	4.30E-04
13169	500379.6	3734616	2.48E-03	0.00E+00	2.48E-03	4.32E-04
13170	500370.6	3734620	2.49E-03	0.00E+00	2.49E-03	4.34E-04
13171	500361.7	3734623	2.51E-03	0.00E+00	2.51E-03	4.37E-04
13172	500352.7	3734627	2.52E-03	0.00E+00	2.52E-03	4.39E-04
13173	500343.8	3734631	2.53E-03	0.00E+00	2.53E-03	4.41E-04
13174	500334.8	3734634	2.55E-03	0.00E+00	2.55E-03	4.43E-04
13175	500325.9	3734638	2.56E-03	0.00E+00	2.56E-03	4.46E-04
13176	500316.9	3734642	2.57E-03	0.00E+00	2.57E-03	4.48E-04
13177	500308	3734645	2.58E-03	0.00E+00	2.58E-03	4.50E-04
13178	500299	3734649	2.59E-03	0.00E+00	2.59E-03	4.52E-04
13179	500290.1	3734653	2.60E-03	0.00E+00	2.60E-03	4.54E-04
13180	500281.1	3734657	2.61E-03	0.00E+00	2.61E-03	4.55E-04
13181	500272.2	3734660	2.62E-03	0.00E+00	2.62E-03	4.57E-04
13182	500263.2	3734664	2.63E-03	0.00E+00	2.63E-03	4.59E-04
13183	500254.3	3734668	2.64E-03	0.00E+00	2.64E-03	4.61E-04
13184	500245.3	3734671	2.65E-03	0.00E+00	2.65E-03	4.62E-04
13185	500236.4	3734675	2.66E-03	0.00E+00	2.66E-03	4.64E-04
13186	500227.4	3734679	2.67E-03	0.00E+00	2.67E-03	4.66E-04
13187	500218.5	3734682	2.68E-03	0.00E+00	2.68E-03	4.67E-04
13188	501343.9	3733545	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13189	501343.9	3733535	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13190	501343.9	3733525	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13191	501344	3733515	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13192	501344	3733506	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13193	501344	3733496	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13194	501344	3733486	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13195	501344	3733477	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13196	501344	3733467	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13197	501344	3733457	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13198	501344	3733447	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13199	501344	3733438	6.10E-04	0.00E+00	6.10E-04	1.06E-04
13200	501344	3733428	6.11E-04	0.00E+00	6.11E-04	1.06E-04

13201	501344.1	3733418	6.11E-04	0.00E+00	6.11E-04	1.07E-04
13202	501344.1	3733408	6.12E-04	0.00E+00	6.12E-04	1.07E-04
13203	501344.1	3733399	6.13E-04	0.00E+00	6.13E-04	1.07E-04
13204	501344.1	3733389	6.14E-04	0.00E+00	6.14E-04	1.07E-04
13205	501344.1	3733379	6.15E-04	0.00E+00	6.15E-04	1.07E-04
13206	501344.1	3733370	6.17E-04	0.00E+00	6.17E-04	1.07E-04
13207	501344.1	3733360	6.18E-04	0.00E+00	6.18E-04	1.08E-04
13208	501344.1	3733331	6.23E-04	0.00E+00	6.23E-04	1.08E-04
13209	501344.2	3733321	6.24E-04	0.00E+00	6.24E-04	1.09E-04
13210	501344.2	3733311	6.26E-04	0.00E+00	6.26E-04	1.09E-04
13211	501344.2	3733301	6.28E-04	0.00E+00	6.28E-04	1.09E-04
13212	501344.2	3733282	6.32E-04	0.00E+00	6.32E-04	1.10E-04
13213	501344.2	3733272	6.34E-04	0.00E+00	6.34E-04	1.10E-04
13214	501344.2	3733263	6.36E-04	0.00E+00	6.36E-04	1.11E-04
13215	501344.2	3733253	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13216	501344.2	3733243	6.41E-04	0.00E+00	6.41E-04	1.12E-04
13217	501344.2	3733233	6.43E-04	0.00E+00	6.43E-04	1.12E-04
13218	501344.3	3733224	6.45E-04	0.00E+00	6.45E-04	1.12E-04
13219	501344.3	3733214	6.48E-04	0.00E+00	6.48E-04	1.13E-04
13220	501344.3	3733204	6.50E-04	0.00E+00	6.50E-04	1.13E-04
13221	499793.2	3733260	2.48E-02	0.00E+00	2.48E-02	4.32E-03
13222	499776.5	3733260	2.09E-02	0.00E+00	2.09E-02	3.64E-03
13223	499751.5	3733258	1.66E-02	0.00E+00	1.66E-02	2.89E-03
13224	499798	3733218	2.49E-02	0.00E+00	2.49E-02	4.33E-03
13225	499777.7	3733219	2.00E-02	0.00E+00	2.00E-02	3.48E-03
13226	499749.1	3733218	1.52E-02	0.00E+00	1.52E-02	2.66E-03
13227	499789.6	3733178	2.12E-02	0.00E+00	2.12E-02	3.70E-03
13228	499768.2	3733176	1.68E-02	0.00E+00	1.68E-02	2.93E-03
13229	499751.5	3733176	1.44E-02	0.00E+00	1.44E-02	2.50E-03
13230	499826.6	3733100	3.04E-02	0.00E+00	3.04E-02	5.30E-03
13231	499824.2	3733085	2.78E-02	0.00E+00	2.78E-02	4.84E-03
13232	499823	3733044	2.26E-02	0.00E+00	2.26E-02	3.94E-03
13233	499823	3733026	2.04E-02	0.00E+00	2.04E-02	3.55E-03
13234	499801.6	3732976	1.16E-02	0.00E+00	1.16E-02	2.02E-03
13235	499788.5	3732967	9.99E-03	0.00E+00	9.99E-03	1.74E-03
13236	499761	3732958	7.97E-03	0.00E+00	7.97E-03	1.39E-03
13237	499744.3	3732951	7.05E-03	0.00E+00	7.05E-03	1.23E-03
13238	499783.7	3733028	1.24E-02	0.00E+00	1.24E-02	2.15E-03
13239	499761	3733029	1.01E-02	0.00E+00	1.01E-02	1.77E-03
13240	499738.4	3733029	8.58E-03	0.00E+00	8.58E-03	1.50E-03
13241	499781.3	3733074	1.44E-02	0.00E+00	1.44E-02	2.52E-03
13242	499761	3733074	1.18E-02	0.00E+00	1.18E-02	2.06E-03
13243	499732.4	3733074	9.37E-03	0.00E+00	9.37E-03	1.63E-03
13244	499685.9	3732952	5.26E-03	0.00E+00	5.26E-03	9.17E-04
13245	499687.1	3732973	5.55E-03	0.00E+00	5.55E-03	9.67E-04
13246	499687.1	3733000	5.89E-03	0.00E+00	5.89E-03	1.03E-03
13247	499687.1	3733033	6.36E-03	0.00E+00	6.36E-03	1.11E-03

13248	499688.3	3733053	6.71E-03	0.00E+00	6.71E-03	1.17E-03
13249	499688.3	3733076	7.08E-03	0.00E+00	7.08E-03	1.23E-03
13250	499696.6	3733167	9.17E-03	0.00E+00	9.17E-03	1.60E-03
13251	499699	3733180	9.58E-03	0.00E+00	9.58E-03	1.67E-03
13252	499697.8	3733220	1.03E-02	0.00E+00	1.03E-02	1.79E-03
13253	499697.8	3733236	1.06E-02	0.00E+00	1.06E-02	1.84E-03
13254	499697.8	3733258	1.09E-02	0.00E+00	1.09E-02	1.91E-03
13255	499639.4	3733264	7.67E-03	0.00E+00	7.67E-03	1.34E-03
13256	499614.3	3733262	6.67E-03	0.00E+00	6.67E-03	1.16E-03
13257	499638.2	3733241	7.34E-03	0.00E+00	7.34E-03	1.28E-03
13258	499613.1	3733241	6.42E-03	0.00E+00	6.42E-03	1.12E-03
13259	499635.8	3733214	6.94E-03	0.00E+00	6.94E-03	1.21E-03
13260	499637	3733189	6.69E-03	0.00E+00	6.69E-03	1.17E-03
13261	499614.3	3733184	5.90E-03	0.00E+00	5.90E-03	1.03E-03
13262	499613.1	3733213	6.15E-03	0.00E+00	6.15E-03	1.07E-03
13263	499617.9	3733085	5.05E-03	0.00E+00	5.05E-03	8.80E-04
13264	499616.7	3733071	4.90E-03	0.00E+00	4.90E-03	8.53E-04
13265	499615.5	3733046	4.66E-03	0.00E+00	4.66E-03	8.12E-04
13266	499614.3	3733031	4.51E-03	0.00E+00	4.51E-03	7.86E-04
13267	499614.3	3733008	4.34E-03	0.00E+00	4.34E-03	7.55E-04
13268	499620.3	3732978	4.21E-03	0.00E+00	4.21E-03	7.34E-04
13269	499622.7	3732942	3.99E-03	0.00E+00	3.99E-03	6.95E-04
13270	499607.2	3732928	3.68E-03	0.00E+00	3.68E-03	6.41E-04
13271	499573.8	3732942	3.36E-03	0.00E+00	3.36E-03	5.86E-04
13272	499573.8	3732929	3.30E-03	0.00E+00	3.30E-03	5.74E-04
13273	499539.2	3732927	2.95E-03	0.00E+00	2.95E-03	5.14E-04
13274	499541.5	3732941	3.03E-03	0.00E+00	3.03E-03	5.28E-04
13275	499511.7	3732941	2.77E-03	0.00E+00	2.77E-03	4.83E-04
13276	499487.9	3732942	2.60E-03	0.00E+00	2.60E-03	4.53E-04
13277	499491.5	3732928	2.58E-03	0.00E+00	2.58E-03	4.49E-04
13278	499511.7	3732928	2.73E-03	0.00E+00	2.73E-03	4.75E-04
13279	499436.6	3732935	2.25E-03	0.00E+00	2.25E-03	3.92E-04
13280	499436.6	3733002	2.42E-03	0.00E+00	2.42E-03	4.22E-04
13281	499436.6	3733089	2.67E-03	0.00E+00	2.67E-03	4.66E-04
13282	499526	3733091	3.55E-03	0.00E+00	3.55E-03	6.19E-04
13283	499523.7	3733142	3.77E-03	0.00E+00	3.77E-03	6.57E-04
13284	499435.4	3733149	2.85E-03	0.00E+00	2.85E-03	4.96E-04
13285	499437.8	3733233	3.15E-03	0.00E+00	3.15E-03	5.48E-04
13286	499483.1	3733258	3.77E-03	0.00E+00	3.77E-03	6.57E-04
13287	499507	3733257	4.12E-03	0.00E+00	4.12E-03	7.17E-04
13288	499530.8	3733257	4.52E-03	0.00E+00	4.52E-03	7.88E-04
13289	499555.9	3733256	5.02E-03	0.00E+00	5.02E-03	8.74E-04
13290	499638.2	3733158	6.37E-03	0.00E+00	6.37E-03	1.11E-03
13291	499616.7	3733158	5.71E-03	0.00E+00	5.71E-03	9.95E-04
13292	499632.2	3732883	3.71E-03	0.00E+00	3.71E-03	6.46E-04
13293	499658.4	3732890	4.13E-03	0.00E+00	4.13E-03	7.20E-04
13294	499559.4	3732891	2.98E-03	0.00E+00	2.98E-03	5.19E-04

13295	499473.6	3732891	2.35E-03	0.00E+00	2.35E-03	4.09E-04
13296	499512.9	3732889	2.60E-03	0.00E+00	2.60E-03	4.53E-04
13297	499490.3	3732865	2.37E-03	0.00E+00	2.37E-03	4.13E-04
13298	499584.5	3732859	3.06E-03	0.00E+00	3.06E-03	5.32E-04
13299	499559.4	3732847	2.79E-03	0.00E+00	2.79E-03	4.86E-04
13300	499535.6	3732836	2.57E-03	0.00E+00	2.57E-03	4.48E-04
13301	499509.3	3732825	2.37E-03	0.00E+00	2.37E-03	4.13E-04
13302	499484.3	3732814	2.19E-03	0.00E+00	2.19E-03	3.82E-04
13303	499441.4	3732808	1.97E-03	0.00E+00	1.97E-03	3.43E-04
13304	499411.5	3732812	1.86E-03	0.00E+00	1.86E-03	3.23E-04
13305	499411.5	3732790	1.81E-03	0.00E+00	1.81E-03	3.16E-04
13306	499428.2	3732793	1.88E-03	0.00E+00	1.88E-03	3.28E-04

			UnMitigated		499	0		T2					T2L3					T4				
			495	500092.96	3733020.19																	
							1.74E-07					0.00E+00					1.74E-07					2.89E-08
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	500234.3	3733193	4.37E-08	8.05E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-08	8.05E-08	0.00E+00	0.00E+00	1.24E-07	6.58E-09	1.40E-08	0.00E+00	0.00E+00	2.06E-08
2	500294.3	3733193	2.46E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	3.70E-09	7.89E-09	0.00E+00	0.00E+00	1.16E-08
3	500484.3	3733193	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
4	500514.3	3733193	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.13E-09
5	500544.3	3733193	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
6	500574.3	3733193	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
7	500604.3	3733193	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	6.97E-10	1.49E-09	0.00E+00	0.00E+00	2.18E-09
8	500634.3	3733193	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
9	500664.3	3733193	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
10	500694.3	3733193	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
11	500734.3	3733193	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
12	500774.3	3733193	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.77E-10	0.00E+00	0.00E+00	1.29E-09
13	500814.3	3733193	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
14	500854.3	3733193	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
15	500894.3	3733193	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	2.99E-10	6.39E-10	0.00E+00	0.00E+00	9.38E-10
16	500934.3	3733193	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.62E-10
17	500974.3	3733193	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
18	501054.3	3733193	1.45E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.82E-10
19	501094.3	3733193	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.33E-10	0.00E+00	0.00E+00	6.35E-10
20	501130	3733193	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.99E-10
21	501165.7	3733193	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.84E-10	0.00E+00	0.00E+00	5.65E-10
22	501201.4	3733193	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
23	501272.9	3733193	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.79E-10
24	501308.6	3733193	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
25	501344.3	3733193	9.16E-10	1.69E-09	0.00E+00	0.00E+00	2.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-10	1.69E-09	0.00E+00	0.00E+00	2.60E-09	1.38E-10	2.94E-10	0.00E+00	0.00E+00	4.32E-10
26	500232.2	3733179	4.39E-08	8.09E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-08	8.09E-08	0.00E+00	0.00E+00	1.25E-07	6.60E-09	1.41E-08	0.00E+00	0.00E+00	2.07E-08
27	500252.2	3733179	3.55E-08	6.54E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-08	6.54E-08	0.00E+00	0.00E+00	1.01E-07	5.34E-09	1.14E-08	0.00E+00	0.00E+00	1.67E-08
28	500343.9	3733135	1.74E-08	3.20E-08	0.00E+00	0.00E+00	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	3.20E-08	0.00E+00	0.00E+00	4.94E-08	2.62E-09	5.58E-09	0.00E+00	0.00E+00	8.20E-09
29	500366	3733141	1.51E-08	2.79E-08	0.00E+00	0.00E+00	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.79E-08	0.00E+00	0.00E+00	4.30E-08	2.28E-09	4.86E-09	0.00E+00	0.00E+00	7.14E-09
30	500362.9	3733128	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	2.34E-09	4.98E-09	0.00E+00	0.00E+00	7.32E-09
31	500385	3733135	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	2.05E-09	4.36E-09	0.00E+00	0.00E+00	6.41E-09
32	500387.1	3733147	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	2.00E-09	4.28E-09	0.00E+00	0.00E+00	6.28E-09
33	500381.9	3733122	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	2.10E-09	4.47E-09	0.00E+00	0.00E+00	6.57E-09
34	500413.4	3733125	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.51E-09
35	500415.4	3733137	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.72E-09	3.68E-09	0.00E+00	0.00E+00	5.40E-09
36	500417.4	3733149	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	1.69E-09	3.60E-09	0.00E+00	0.00E+00	5.29E-09
37	500419.3	3733161	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.53E-09	0.00E+00	0.00E+00	5.18E-09
38	500410.3	3733113	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	1.80E-09	3.85E-09	0.00E+00	0.00E+00	5.66E-09
39	500441.9	3733116	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
40	500444	3733128	9.94E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
41	500446	3733141	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.59E-09
42	500448.1	3733154	9.50E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
43	500450.2	3733166	9.29E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
44	500452.2	3733179	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.91E-09	0.00E+00	0.00E+00	4.28E-09
45	500438.8	3733103	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.91E-09
46	500470.3	3733106	8.91E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.20E-09
47	500472.3	3733118	8.73E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.31E-09	2.80E-09	0.00E+00	0.00E+00	4.12E-09
48	500474.3	3733131	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
49	500476.3	3733143	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
50	500478.3	3733155	8.18E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
51	500480.3	3733167	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
52	500482.3	3733180	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
53	500467.2	3733094	9.14E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.31E-09
54	500498.8	3733097	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
55	500500.9	3733109	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
56	500502.9	3733122	7.55E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.42E-09	0.00E+00	0.00E+00	3.56E-09
57	500505	3733135	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
58	500507.1	3733147	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
59	500509.1	3733160	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.33E-09
60	500511.2	3733173	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
61	500495.7	3733084	8.09E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
62	500527.3	3733087	7.03E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
63	500529.4	3733100	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.24E-09
64	500531.5	3733113	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
65	500533.7	3733127	6.57E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.89E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
66	500535.8	3733140	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	9.67E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
67	500537.9	3733153	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.45E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
68	500540	3733166	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.23E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
69	500542.2	3733179	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
70	500524.1	3733075	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
71	500555.7	3733078	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.50E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
72	500557.8	3733090	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.30E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
73	500559.8	3733103	6.05E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
74	500561.9	3733116	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
75	500564	3733128	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.72E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
76	500566	3733141	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
77	500568.1	3733154	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.34E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
78	500570.2	3733166	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
79	500572.2	3733179	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	7.98E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
80	500552.6	3733065	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.74E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
81	500584.2	3733068	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
82	500586.3	3733081	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.39E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
83	500588.4	3733094	5.45E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
84	500590.5	3733107	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	8.03E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
85	500592.6	3733120	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
86	500594.8	3733133	5.11E-09	9.41E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	9.41E-09	0.00E+00	0.00E+00	1.45E-08	7.69E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
87	500596.9	3733146	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.53E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
88	500599	3733159	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
89	500601.1	3733172	4.79E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	7.20E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
90	500581	3733056	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
91	500612.6	3733059	5.17E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	7.79E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
92	500614.7	3733071	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	7.63E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
93	500616.7	3733084	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.47E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
94	500618.8	3733097	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
95	500620.9	3733109	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	7.17E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
96	500622.9	3733122	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	7.02E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
97	500625	3733135	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
98	500627.1	3733147	4.47E-09	8.24E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.24E-09	0.00E+00	0.00E+00	1.27E-08	6.73E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
99	500629.1	3733160	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
100	500631.2	3733173	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
101	500609.5	3733046	5.30E-09	9.76E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.76E-09	0.00E+00	0.00E+00	1.51E-08	7.97E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
102	500641.1	3733049	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
103	500643.2	3733062	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
104	500645.3	3733075	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.45E-09	0.00E+00	0.00E+00	2.14E-09
105	500647.4	3733088	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
106	500649.5	3733101	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	6.54E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
107	500651.6	3733114	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	6.41E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
108	500653.7	3733127	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
109	500655.8	3733140	4.08E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
110	500658	3733153	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
111	500660.1	3733166	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
112	500662.2	3733179	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
113	500637.9	3733036	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
114	500669.5	3733040	4.33E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	6.51E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
115	500671.6	3733052	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
116	500673.6	3733065	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
117	500675.7	3733078	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
118	500677.8	3733090	4.00E-09	7.37E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.37E-09	0.00E+00	0.00E+00	1.14E-08	6.02E-10	1.28E-09	0.00E+00	0.00E+00	1.89E-09
119	500679.8	3733103	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
120	500681.9	3733116	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
121	500684	3733128	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
122	500686	3733141	3.70E-09	6.82E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.82E-09	0.00E+00	0.00E+00	1.05E-08	5.57E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
123	500688.1	3733154	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
124	500690.2	3733166	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
125	500692.2	3733179	3.50E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
126	500666.4	3733027	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	6.66E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09

127	500707.4	3733027	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
128	500709.5	3733040	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
129	500711.6	3733052	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
130	500713.6	3733065	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
131	500715.7	3733078	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.70E-09
132	500717.8	3733090	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
133	500719.8	3733103	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
134	500721.9	3733116	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
135	500724	3733128	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
136	500726	3733141	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
137	500728.1	3733154	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
138	500730.2	3733166	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
139	500732.2	3733179	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	4.67E-10	9.97E-10	0.00E+00	0.00E+00	1.46E-09
140	500704.3	3733014	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
141	500745.4	3733014	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
142	500747.4	3733027	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
143	500749.5	3733040	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
144	500751.6	3733052	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
145	500753.6	3733065	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
146	500755.7	3733078	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	4.80E-10	1.02E-09	0.00E+00	0.00E+00	1.51E-09
147	500757.8	3733090	3.13E-09	5.78E-09	0.00E+00	0.00E+00	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.78E-09	0.00E+00	0.00E+00	8.91E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
148	500759.8	3733103	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
149	500761.9	3733116	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
150	500764	3733128	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	4.47E-10	9.54E-10	0.00E+00	0.00E+00	1.40E-09
151	500766	3733141	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	4.40E-10	9.38E-10	0.00E+00	0.00E+00	1.38E-09
152	500768.1	3733154	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
153	500770.2	3733166	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
154	500772.2	3733179	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
155	500742.2	3733002	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
156	500783.3	3733002	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.02E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
157	500785.4	3733014	3.12E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
158	500787.4	3733027	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.71E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
159	500789.5	3733040	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.55E-09	4.53E-10	9.66E-10	0.00E+00	0.00E+00	1.42E-09
160	500791.6	3733052	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	4.45E-10	9.49E-10	0.00E+00	0.00E+00	1.39E-09
161	500793.6	3733065	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	4.37E-10	9.33E-10	0.00E+00	0.00E+00	1.37E-09
162	500795.7	3733078	2.86E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
163	500797.8	3733090	2.81E-09	5.17E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.17E-09	0.00E+00	0.00E+00	7.98E-09	4.23E-10	9.01E-10	0.00E+00	0.00E+00	1.32E-09
164	500799.8	3733103	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.86E-10	0.00E+00	0.00E+00	1.30E-09
165	500801.9	3733116	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
166	500804	3733128	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
167	500806	3733141	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.46E-09	3.95E-10	8.43E-10	0.00E+00	0.00E+00	1.24E-09
168	500808.1	3733154	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.30E-10	0.00E+00	0.00E+00	1.22E-09
169	500810.2	3733166	2.54E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	3.83E-10	8.17E-10	0.00E+00	0.00E+00	1.20E-09
170	500812.2	3733179	2.50E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.04E-10	0.00E+00	0.00E+00	1.18E-09
171	500780.2	3732989	3.24E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
172	500821.2	3732989	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	4.35E-10	9.29E-10	0.00E+00	0.00E+00	1.36E-09
173	500823.3	3733002	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	4.28E-10	9.13E-10	0.00E+00	0.00E+00	1.34E-09
174	500825.4	3733014	2.80E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
175	500827.4	3733027	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	4.14E-10	8.83E-10	0.00E+00	0.00E+00	1.30E-09
176	500829.5	3733040	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.28E-09
177	500831.6	3733052	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.37E-09	3.90E-10	8.32E-10	0.00E+00	0.00E+00	1.22E-09
178	500833.6	3733065	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.24E-09	3.84E-10	8.18E-10	0.00E+00	0.00E+00	1.20E-09
179	500835.7	3733078	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
180	500837.8	3733090	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.91E-10	0.00E+00	0.00E+00	1.16E-09
181	500839.8	3733103	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	3.65E-10	7.79E-10	0.00E+00	0.00E+00	1.14E-09
182	500841.9	3733116	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.78E-09	3.59E-10	7.66E-10	0.00E+00	0.00E+00	1.13E-09
183	500844	3733128	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	3.54E-10	7.54E-10	0.00E+00	0.00E+00	1.11E-09
184	500846	3733141	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	3.48E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
185	500848.1	3733154	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
186	500850.2	3733166	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
187	500852.2	3733179	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.30E-09	3.34E-10	7.12E-10	0.00E+00	0.00E+00	1.05E-09
188	500818.1	3732976	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
189	500859.2	3732976	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.31E-09	3.87E-10	8.25E-10	0.00E+00	0.00E+00	1.21E-09
190	500861.3	3732989	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
191	500863.5	3733002	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	3.74E-10	7.98E-10	0.00E+00	0.00E+00	1.17E-09
192	500865.6	3733016	2.44E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
193	500867.7	3733029	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.72E-10	0.00E+00	0.00E+00	1.13E-09
194	500869.8	3733042	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	3.56E-10	7.60E-10	0.00E+00	0.00E+00	1.12E-09
195	500872	3733055	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.50E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
196	500874.1	3733068	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
197	500876.2	3733081	2.25E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.39E-10	7.24E-10	0.00E+00	0.00E+00	1.06E-09
198	500878.3	3733094	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
199	500880.5	3733107	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
200	500882.6	3733120	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.02E-09
201	500884.7	3733133	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
202	500886.8	3733146	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
203	500889	3733159	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.62E-10	0.00E+00	0.00E+00	9.72E-10
204	500891.1	3733172	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.78E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.58E-10
205	500899.3	3732977	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.51E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
206	500901.4	3732990	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.52E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
207	500903.5	3733003	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.40E-10	7.24E-10	0.00E+00	0.00E+00	1.06E-09
208	500905.6	3733016	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
209	500907.8	3733029	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
210	500909.9	3733042	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.02E-09
211	500912	3733055	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
212	500914.1	3733068	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.14E-10	6.70E-10	0.00E+00	0.00E+00	9.85E-10
213	500916.2	3733081	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.60E-10	0.00E+00	0.00E+00	9.70E-10
214	500918.4	3733094	2.03E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	3.05E-10	6.51E-10	0.00E+00	0.00E+00	9.56E-10
215	500920.5	3733107	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.41E-10	0.00E+00	0.00E+00	9.42E-10
216	500922.6	3733120	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.29E-10
217	500924.7	3733133	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.16E-10
218	500926.9	3733146	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.15E-10	0.00E+00	0.00E+00	9.03E-10
219	500929	3733159	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	2.84E-10	6.07E-10	0.00E+00	0.00E+00	8.91E-10
220	500931.1	3733172	1.86E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	2.81E-10	5.99E-10	0.00E+00	0.00E+00	8.79E-10
221	500939.3	3732977	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
222	500941.4	3732990	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
223	500943.6	3733003	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
224	500945.7	3733016	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.76E-09	3.05E-10	6.51E-10	0.00E+00	0.00E+00	9.56E-10
225	500947.8	3733029	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.42E-10
226	500949.9	3733042	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.29E-10
227	500952	3733055	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.15E-10
228	500954.2	3733068	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
229	500956.3	3733081	1.89E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.89E-10
230	500958.4	3733094	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.77E-10
231	500960.5	3733107	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
232	500962.6	3733120	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
233	500964.7	3733133	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	2.69E-10	5.73E-10	0.00E+00	0.00E+00	8.42E-10
234	500966.9	3733146	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.65E-10	5.66E-10	0.00E+00	0.00E+00	8.31E-10
235	500969	3733159	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.21E-10
236	500971.1	3733172	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.88E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.10E-10
237	500979.4	3732977	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.24E-10	0.00E+00	0.00E+00	9.16E-10
238	500981.5	3732990	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.15E-10	0.00E+00	0.00E+00	9.03E-10
239	500983.6	3733003	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.90E-10
240	500985.7	3733016	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.77E-10
241	500987.8	3733029	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.88E-10	0.00E+00	0.00E+00	8.64E-10
242	500989.9	3733042	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.52E-10
243	500992.1	3733055	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
244	500994.2	3733068	1.76E-09	3.24E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	4.99E-09	2.64E-10	5.64E-10	0.00E+00	0.00E+00	8.28E-10
245	500996.3	3733081	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
246	500998.4	3733094	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
247	501000.5	3733107	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
248	501002.6	3733120	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.84E-10
249	500969.9	3732925	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.70E-10
250	501021.5	3732991	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.26E-10
251	501023.6	3733004	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
252	501025.7	3733016	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
253	501027.9	3733029	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
254	501030	3733042	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
255	501032.1	3733055	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.26E-10	0.00E+00	0.00E+00	7.73E-10
256	501036.3	3733081	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	2.40E-10	5.13E-10	0.00E+00	0.00E+00	7.53E-10

257	501038.4	3733094	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.44E-10
258	501040.5	3733107	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.34E-10	5.00E-10	0.00E+00	0.00E+00	7.35E-10
259	501042.7	3733120	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.37E-09	2.32E-10	4.94E-10	0.00E+00	0.00E+00	7.26E-10
260	501044.8	3733133	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.17E-10
261	501046.9	3733146	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.09E-10
262	501049	3733159	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.01E-10
263	501048.9	3732913	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.27E-10
264	501051	3732926	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.60E-10	5.56E-10	0.00E+00	0.00E+00	8.16E-10
265	501053.1	3732939	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.05E-10
266	501057.3	3732965	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.84E-10
267	501059.4	3732978	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.74E-10
268	501061.6	3732991	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.63E-10
269	501072.1	3733056	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.16E-10
270	501076.3	3733082	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	2.23E-10	4.76E-10	0.00E+00	0.00E+00	6.99E-10
271	501078.4	3733095	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.70E-10	0.00E+00	0.00E+00	6.91E-10
272	501080.6	3733107	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.83E-10
273	501084.8	3733133	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.67E-10
274	501086.9	3733146	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.49E-10	0.00E+00	0.00E+00	6.60E-10
275	501089	3733159	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.53E-10
276	501045.7	3732900	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
277	501082.7	3732902	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	2.49E-10	5.31E-10	0.00E+00	0.00E+00	7.80E-10
278	501084.8	3732914	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.24E-10	0.00E+00	0.00E+00	7.70E-10
279	501086.9	3732927	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	2.43E-10	5.17E-10	0.00E+00	0.00E+00	7.60E-10
280	501093.2	3732966	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.33E-10	4.98E-10	0.00E+00	0.00E+00	7.31E-10
281	501095.3	3732979	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	2.30E-10	4.92E-10	0.00E+00	0.00E+00	7.22E-10
282	501097.4	3732992	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.85E-10	0.00E+00	0.00E+00	7.13E-10
283	501101.6	3733018	1.47E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.96E-10
284	501103.7	3733031	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	2.19E-10	4.68E-10	0.00E+00	0.00E+00	6.87E-10
285	501105.8	3733043	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	2.17E-10	4.62E-10	0.00E+00	0.00E+00	6.79E-10
286	501107.9	3733056	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	2.14E-10	4.57E-10	0.00E+00	0.00E+00	6.71E-10
287	501112.1	3733082	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.56E-10
288	501114.2	3733095	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.41E-10	0.00E+00	0.00E+00	6.48E-10
289	501116.3	3733108	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.05E-10	4.36E-10	0.00E+00	0.00E+00	6.41E-10
290	501120.5	3733134	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.27E-10
291	501122.6	3733147	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.23E-10	0.00E+00	0.00E+00	6.21E-10
292	501124.7	3733160	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.14E-10
293	501079.6	3732889	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.92E-10
294	501116.6	3732890	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.37E-10
295	501118.7	3732903	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
296	501120.8	3732916	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
297	501122.9	3732929	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.10E-10
298	501129.1	3732967	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.66E-10	0.00E+00	0.00E+00	6.84E-10
299	501131.2	3732980	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	2.16E-10	4.60E-10	0.00E+00	0.00E+00	6.76E-10
300	501133.3	3732993	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.67E-10
301	501137.5	3733019	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.51E-10
302	501139.6	3733031	1.36E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	2.05E-10	4.38E-10	0.00E+00	0.00E+00	6.44E-10
303	501141.7	3733044	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.33E-10	0.00E+00	0.00E+00	6.36E-10
304	501143.8	3733057	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.29E-10
305	501148	3733083	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.15E-10
306	501150	3733096	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
307	501152.1	3733108	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
308	501156.3	3733134	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.89E-10	4.02E-10	0.00E+00	0.00E+00	5.91E-10
309	501158.4	3733147	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
310	501160.5	3733160	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.79E-10
311	501162.6	3733173	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.73E-10
312	501113.5	3732877	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.09E-10	0.00E+00	0.00E+00	7.47E-10
313	501150.5	3732879	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.19E-09	2.22E-10	4.73E-10	0.00E+00	0.00E+00	6.94E-10
314	501152.6	3732892	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	2.19E-10	4.67E-10	0.00E+00	0.00E+00	6.86E-10
315	501154.7	3732905	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.77E-10
316	501156.9	3732918	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.69E-10
317	501159	3732931	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.50E-10	0.00E+00	0.00E+00	6.60E-10
318	501165.4	3732970	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.03E-10	4.34E-10	0.00E+00	0.00E+00	6.37E-10
319	501167.5	3732983	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
320	501169.6	3732996	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.22E-10
321	501173.8	3733022	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
322	501176	3733035	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
323	501178.1	3733048	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.95E-10
324	501182.3	3733074	1.23E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.96E-10	0.00E+00	0.00E+00	5.82E-10
325	501184.5	3733088	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.76E-10
326	501186.6	3733101	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.70E-10
327	501188.7	3733114	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.84E-10	0.00E+00	0.00E+00	5.64E-10
328	501197.2	3733166	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.42E-10
329	501147.3	3732866	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.25E-09	2.25E-10	4.80E-10	0.00E+00	0.00E+00	7.05E-10
330	501184.4	3732868	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.57E-10
331	501186.5	3732881	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.50E-10
332	501188.6	3732894	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
333	501190.7	3732906	1.34E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	2.02E-10	4.32E-10	0.00E+00	0.00E+00	6.34E-10
334	501192.8	3732919	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.27E-10
335	501194.9	3732932	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.20E-10
336	501201.3	3732971	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	5.99E-10
337	501203.4	3732984	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.93E-10
338	501205.5	3732997	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
339	501209.7	3733023	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.73E-10
340	501211.8	3733036	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.67E-10
341	501213.9	3733049	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.82E-10	0.00E+00	0.00E+00	5.61E-10
342	501222.4	3733101	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.67E-10	0.00E+00	0.00E+00	5.39E-10
343	501224.5	3733114	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.34E-10
344	501226.6	3733127	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.28E-10
345	501228.7	3733140	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
346	501230.8	3733153	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.65E-10	3.53E-10	0.00E+00	0.00E+00	5.19E-10
347	501232.9	3733166	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.14E-10
348	501235	3733179	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.62E-10	3.47E-10	0.00E+00	0.00E+00	5.09E-10
349	501181.2	3732855	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.66E-10
350	501218.2	3732856	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.24E-10
351	501220.3	3732869	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	1.97E-10	4.20E-10	0.00E+00	0.00E+00	6.17E-10
352	501222.4	3732882	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.15E-10	0.00E+00	0.00E+00	6.10E-10
353	501224.5	3732895	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	1.93E-10	4.11E-10	0.00E+00	0.00E+00	6.03E-10
354	501226.6	3732908	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	1.90E-10	4.06E-10	0.00E+00	0.00E+00	5.97E-10
355	501228.7	3732921	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.88E-10	4.02E-10	0.00E+00	0.00E+00	5.90E-10
356	501230.8	3732934	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.86E-10	3.97E-10	0.00E+00	0.00E+00	5.84E-10
357	501239.2	3732985	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
358	501241.3	3732998	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.53E-10
359	501243.4	3733011	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	1.75E-10	3.73E-10	0.00E+00	0.00E+00	5.47E-10
360	501245.5	3733024	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.42E-10
361	501247.6	3733037	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
362	501249.7	3733050	1.13E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.31E-10
363	501251.8	3733063	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.26E-10
364	501258.1	3733101	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.10E-10
365	501260.3	3733114	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.61E-10	3.44E-10	0.00E+00	0.00E+00	5.06E-10
366	501266.6	3733153	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
367	501268.7	3733166	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.87E-10
368	501270.8	3733179	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.83E-10
369	501215.1	3732843	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.33E-10
370	501252.1	3732845	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.04E-10	0.00E+00	0.00E+00	5.94E-10
371	501254.2	3732858	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10
372	501256.3	3732871	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	1.85E-10	3.96E-10	0.00E+00	0.00E+00	5.81E-10
373	501258.4	3732883	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.91E-10	0.00E+00	0.00E+00	5.75E-10
374	501260.5	3732896	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	1.81E-10	3.87E-10	0.00E+00	0.00E+00	5.68E-10
375	501262.6	3732909	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.80E-10	3.83E-10	0.00E+00	0.00E+00	5.62E-10
376	501264.6	3732922	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	1.78E-10	3.79E-10	0.00E+00	0.00E+00	5.56E-10
377	501266.7	3732935	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	1.76E-10	3.75E-10	0.00E+00	0.00E+00	5.51E-10
378	501270.9	3732961	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.67E-10	0.00E+00	0.00E+00	5.39E-10
379	501273	3732973	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.34E-10
380	501275.1	3732986	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.28E-10
381	501277.2	3732999	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
382	501291.8	3733089	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
383	501293.9	3733102	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.84E-10
384	501296	3733115	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.80E-10
385	501298.1	3733128	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.76E-10
386	501300.2	3733140	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10

387	501302.3	3733153	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.66E-10
388	501304.4	3733166	9.79E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.62E-10
389	501306.5	3733179	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.58E-10
390	501249	3732832	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
391	501286	3732834	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.80E-10	3.85E-10	0.00E+00	0.00E+00	5.65E-10
392	501288.1	3732847	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
393	501290.2	3732860	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.54E-10
394	501292.3	3732873	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	1.75E-10	3.73E-10	0.00E+00	0.00E+00	5.48E-10
395	501294.5	3732886	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.42E-10
396	501296.6	3732899	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
397	501298.7	3732912	1.13E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.31E-10
398	501300.8	3732925	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.25E-10
399	501302.9	3732938	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.54E-10	0.00E+00	0.00E+00	5.20E-10
400	501307.2	3732964	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.09E-10
401	501309.3	3732977	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.04E-10
402	501311.4	3732990	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.59E-10	3.40E-10	0.00E+00	0.00E+00	4.99E-10
403	501313.5	3733003	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.94E-10
404	501315.7	3733016	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
405	501317.8	3733029	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.85E-10
406	501319.9	3733042	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.80E-10
407	501322	3733055	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.75E-10
408	501324.1	3733068	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.71E-10
409	501326.3	3733081	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.66E-10
410	501328.4	3733094	9.79E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.62E-10
411	501330.5	3733107	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.58E-10
412	501332.6	3733120	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.53E-10
413	501334.7	3733133	9.52E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	1.43E-10	3.06E-10	0.00E+00	0.00E+00	4.49E-10
414	501336.9	3733146	9.44E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	1.42E-10	3.03E-10	0.00E+00	0.00E+00	4.45E-10
415	501339	3733159	9.36E-10	1.72E-09	0.00E+00	0.00E+00	2.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-10	1.72E-09	0.00E+00	0.00E+00	2.66E-09	1.41E-10	3.00E-10	0.00E+00	0.00E+00	4.41E-10
416	501341.1	3733172	9.28E-10	1.71E-09	0.00E+00	0.00E+00	2.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-10	1.71E-09	0.00E+00	0.00E+00	2.64E-09	1.40E-10	2.98E-10	0.00E+00	0.00E+00	4.38E-10
417	501282.8	3732821	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.73E-10
418	500229.2	3733169	4.46E-08	8.23E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-08	8.23E-08	0.00E+00	0.00E+00	1.27E-07	6.72E-09	1.43E-08	0.00E+00	0.00E+00	2.11E-08
419	501024.7	3732970	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	2.66E-10	5.67E-10	0.00E+00	0.00E+00	8.33E-10
420	501201.7	3732924	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	1.97E-10	4.19E-10	0.00E+00	0.00E+00	6.16E-10
421	501236.3	3732915	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.52E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
422	501269.1	3732899	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
423	501303.7	3732890	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
424	500342	3733120	1.77E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	2.66E-09	5.67E-09	0.00E+00	0.00E+00	8.33E-09
425	500361.7	3733117	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.04E-09	0.00E+00	0.00E+00	7.40E-09
426	500915.8	3733034	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	3.22E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
427	500956.6	3733035	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.94E-10	6.26E-10	0.00E+00	0.00E+00	9.20E-10
428	500994.6	3733020	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
429	501035.4	3733021	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.86E-10
430	501032.5	3733005	1.70E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	8.00E-10
431	501071.9	3732998	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
432	501107.1	3732992	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.01E-10
433	501142.2	3732986	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.49E-10	0.00E+00	0.00E+00	6.59E-10
434	501180.2	3732995	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.12E-10
435	501177.4	3732979	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.23E-10	0.00E+00	0.00E+00	6.21E-10
436	501215.4	3732989	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.79E-10
437	501212.5	3732973	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	1.88E-10	4.00E-10	0.00E+00	0.00E+00	5.88E-10
438	501250.6	3732983	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.50E-10
439	501247.7	3732967	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.79E-10	0.00E+00	0.00E+00	5.57E-10
440	501285.7	3732977	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
441	501282.9	3732960	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.29E-10
442	501320.9	3732970	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.59E-10	3.38E-10	0.00E+00	0.00E+00	4.97E-10
443	500323.8	3733120	1.98E-08	3.65E-08	0.00E+00	0.00E+00	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.65E-08	0.00E+00	0.00E+00	5.63E-08	2.98E-09	6.36E-09	0.00E+00	0.00E+00	9.34E-09
444	500440.7	3733164	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
445	500470.4	3733168	8.38E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
446	500500	3733173	7.24E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
447	500529.7	3733178	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.52E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
448	500559.3	3733182	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
449	500562.6	3733161	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.46E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
450	500589	3733187	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
451	500591.2	3733173	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
452	500618.6	3733191	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
453	500620.8	3733177	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
454	500648.3	3733196	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
455	500650.5	3733182	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
456	500677.9	3733201	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
457	500680.1	3733186	3.61E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
458	500717.4	3733207	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
459	500719.6	3733193	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
460	500757	3733213	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.04E-10	0.00E+00	0.00E+00	1.33E-09
461	500759.2	3733199	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	4.26E-10	9.09E-10	0.00E+00	0.00E+00	1.34E-09
462	500796.5	3733219	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
463	500798.7	3733205	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
464	500836	3733225	2.23E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	3.36E-10	7.17E-10	0.00E+00	0.00E+00	1.05E-09
465	500838.2	3733211	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.37E-10	0.00E+00	0.00E+00	1.08E-09
466	500875.5	3733231	2.03E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	3.05E-10	6.51E-10	0.00E+00	0.00E+00	9.56E-10
467	500877.8	3733217	2.04E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	3.06E-10	6.54E-10	0.00E+00	0.00E+00	9.60E-10
468	500915.1	3733237	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.74E-10
469	500917.3	3733223	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.77E-10
470	500954.6	3733244	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
471	500956.8	3733229	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.07E-10
472	500994.1	3733250	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.43E-10
473	500996.3	3733235	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
474	501033.6	3733256	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	2.20E-10	4.69E-10	0.00E+00	0.00E+00	6.88E-10
475	501035.9	3733242	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.70E-10	0.00E+00	0.00E+00	6.91E-10
476	501108.5	3733267	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.62E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	6.00E-10
477	501110.7	3733253	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.01E-10
478	501143.8	3733273	1.20E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.84E-10	0.00E+00	0.00E+00	5.64E-10
479	501146	3733259	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
480	501214.3	3733284	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.03E-10
481	501216.6	3733270	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.04E-10
482	501251.8	3733275	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.78E-10
483	501287.1	3733281	9.60E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.08E-10	0.00E+00	0.00E+00	4.53E-10
484	501320.2	3733300	9.09E-10	1.68E-09	0.00E+00	0.00E+00	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-10	1.68E-09	0.00E+00	0.00E+00	2.58E-09	1.37E-10	2.92E-10	0.00E+00	0.00E+00	4.29E-10
485	500184.2	3733058	5.12E-08	9.44E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-08	9.44E-08	0.00E+00	0.00E+00	1.46E-07	7.71E-09	1.64E-08	0.00E+00	0.00E+00	2.42E-08
486	500175.1	3733054	5.37E-08	9.89E-08	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-08	9.89E-08	0.00E+00	0.00E+00	1.53E-07	8.08E-09	1.72E-08	0.00E+00	0.00E+00	2.53E-08
487	500166	3733051	5.57E-08	1.03E-07	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-08	1.03E-07	0.00E+00	0.00E+00	1.58E-07	8.39E-09	1.79E-08	0.00E+00	0.00E+00	2.63E-08
488	500156.8	3733047	5.73E-08	1.06E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-08	1.06E-07	0.00E+00	0.00E+00	1.63E-07	8.63E-09	1.84E-08	0.00E+00	0.00E+00	2.70E-08
489	500147.7	3733043	5.86E-08	1.08E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	1.08E-07	0.00E+00	0.00E+00	1.67E-07	8.82E-09	1.88E-08	0.00E+00	0.00E+00	2.76E-08
490	500138.6	3733039	5.95E-08	1.10E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.10E-07	0.00E+00	0.00E+00	1.69E-07	8.96E-09	1.91E-08	0.00E+00	0.00E+00	2.81E-08
491	500129.5	3733035	6.02E-08	1.11E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.11E-07	0.00E+00	0.00E+00	1.71E-07	9.06E-09	1.93E-08	0.00E+00	0.00E+00	2.84E-08
492	500120.3	3733032	6.07E-08	1.12E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.12E-07	0.00E+00	0.00E+00	1.73E-07	9.14E-09	1.95E-08	0.00E+00	0.00E+00	2.86E-08
493	500111.2	3733028	6.10E-08	1.12E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.12E-07	0.00E+00	0.00E+00	1.73E-07	9.18E-09	1.96E-08	0.00E+00	0.00E+00	2.88E-08
494	500102.1	3733024	6.12E-08	1.13E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.13E-07	0.00E+00	0.00E+00	1.74E-07	9.21E-09	1.96E-08	0.00E+00	0.00E+00	2.89E-08
495	500093	3733020	6.12E-08	1.13E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.13E-07	0.00E+00	0.00E+00	1.74E-07	9.21E-09	1.97E-08	0.00E+00	0.00E+00	2.89E-08
496	500083.8	3733016	6.11E-08	1.13E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.13E-07	0.00E+00	0.00E+00	1.74E-07	9.20E-09	1.96E-08	0.00E+00	0.00E+00	2.88E-08
497	500074.7	3733013	6.09E-08	1.12E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.12E-07	0.00E+00	0.00E+00	1.73E-07	9.17E-09	1.96E-08	0.00E+00	0.00E+00	2.87E-08
498	500065.6	3733009	6.06E-08	1.12E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-08	1.12E-07	0.00E+00	0.00E+00	1.72E-07	9.12E-09	1.95E-08	0.00E+00	0.00E+00	2.86E-08
499	500056.5	3733005	6.02E-08	1.11E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.11E-07	0.00E+00	0.00E+00	1.71E-07	9.06E-09	1.93E-08	0.00E+00	0.00E+00	2.84E-08
500	500047.3	3733001	5.97E-08	1.10E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.10E-07	0.00E+00	0.00E+00	1.70E-07	8.98E-09	1.92E-08	0.00E+00	0.00E+00	2.81E-08
501	500038.2	3732997	5.90E-08	1.09E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.09E-07	0.00E+00	0.00E+00	1.68E-07	8.89E-09	1.90E-08	0.00E+00	0.00E+00	2.78E-08
502	500029.1	3732994	5.83E-08	1.08E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	1.08E-07	0.00E+00	0.00E+00	1.66E-07	8.78E-09	1.87E-08	0.00E+00	0.00E+00	2.75E-08
503	500020	3732990	5.75E-08	1.06E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	1.06E-07	0.00E+00	0.00E+00	1.64E-07	8.66E-09	1.85E-08	0.00E+00	0.00E+00	2.71E-08
504	500010.8	3732986	5.66E-08	1.04E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	1.04E-07	0.00E+00	0.00E+00	1.61E-07	8.52E-09	1.82E-08	0.00E+00	0.00E+00	2.67E-08
505	500001.7	3732982	5.56E-08	1.02E-07	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-08	1.02E-07	0.00E+00	0.00E+00	1.58E-07	8.37E-09	1.79E-08	0.00E+00	0.00E+00	2.62E-08
506	499992.6	3732978	5.44E-08	1.00E-07	0.00E+00	0.00E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	1.00E-07	0.00E+00	0.00E+00	1.55E-07	8.20E-09	1.75E-08	0.00E+00	0.00E+00	2.57E-08
507	499983.5	3732975	5.32E-08	9.80E-08	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-08	9.80E-08	0.00E+00	0.00E+00	1.51E-07	8.01E-09	1.71E-08	0.00E+00	0.00E+00	2.51E-08
508	499974.3	3732971	5.18E-08	9.54E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-08	9.54E-08	0.00E+00	0.00E+00	1.47E-07	7.80E-09	1.66E-08	0.00E+00	0.00E+00	2.44E-08
509	499965.2	3732967	5.02E-08	9.26E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-08	9.26E-08	0.00E+00	0.00E+00	1.43E-07	7.56E-09	1.61E-08	0.00E+00	0.00E+00	2.37E-08
510	500224.8	3733060	3.74E-08	6.88E-08	0.00E+00	0.00E+00	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-08	6.88E-08	0.00E+00	0.00E+00	1.06E-07	5.62E-09	1.20E-08	0.00E+00	0.00E+00	1.76E-08
511	500232.1	3733067	3.59E-08	6.61E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08	6.61E-08	0.00E+00	0.00E+00	1.02E-07	5.40E-09	1.15E-08	0.00E+00	0.00E+00	1.69E-08
512	500241.2	3733083	3.44E-08	6.34E-08	0.00E+00	0.00E+00	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-08	6.34E-08	0.00E+00	0.00E+00	9.78E-08	5.18E-09	1.11E-08	0.00E+00	0.00E+00	1.62E-08
513	500191.9	3733040	4.39E-08	8.10E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-08	8.10E-08	0.00E+00	0.00E+00	1.25E-07	6.62E-09	1.41E-08	0.00E+00	0.00E+00	2.07E-08
514	500182.8	3733036	4.57E-08	8.42E-08	0.00E+00	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-08	8.42E-08	0.00E+00	0.00E+00	1.30E-07	6.88E-09	1.47E-08	0.00E+00	0.00E+00	2.15E-08
515	500173.6	3733032	4.72E-08	8.69E-08	0.00E+00	0.00E+00	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-08	8.69E-08	0.00E+00	0.00E+00	1.34E-07	7.10E-09	1.51E-08	0.00E+00	0.00E+00	2.22E-08
516	500164.5	3733028	4.84E-08	8.92E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-08	8.92E-08	0.00E+00	0.00E+00	1.38E-07	7.29E-09	1.55E-08	0.00E+00	0.00E+00	2.28E-08

517	500155.4	3733024	4.94E-08	9.11E-08	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-08	9.11E-08	0.00E+00	0.00E+00	1.41E-07	7.44E-09	1.59E-08	0.00E+00	0.00E+00	2.33E-08
518	500146.3	3733021	5.02E-08	9.26E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-08	9.26E-08	0.00E+00	0.00E+00	1.43E-07	7.56E-09	1.61E-08	0.00E+00	0.00E+00	2.37E-08
519	500137.1	3733017	5.08E-08	9.37E-08	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-08	9.37E-08	0.00E+00	0.00E+00	1.45E-07	7.65E-09	1.63E-08	0.00E+00	0.00E+00	2.40E-08
520	500128	3733013	5.13E-08	9.45E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-08	9.45E-08	0.00E+00	0.00E+00	1.46E-07	7.72E-09	1.65E-08	0.00E+00	0.00E+00	2.42E-08
521	500118.9	3733009	5.16E-08	9.50E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-08	9.50E-08	0.00E+00	0.00E+00	1.47E-07	7.76E-09	1.66E-08	0.00E+00	0.00E+00	2.43E-08
522	500109.8	3733006	5.17E-08	9.53E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-08	9.53E-08	0.00E+00	0.00E+00	1.47E-07	7.79E-09	1.66E-08	0.00E+00	0.00E+00	2.44E-08
523	500100.6	3733002	5.17E-08	9.54E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-08	9.54E-08	0.00E+00	0.00E+00	1.47E-07	7.79E-09	1.66E-08	0.00E+00	0.00E+00	2.44E-08
524	500091.5	3732998	5.17E-08	9.52E-08	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-08	9.52E-08	0.00E+00	0.00E+00	1.47E-07	7.78E-09	1.66E-08	0.00E+00	0.00E+00	2.44E-08
525	500082.4	3732994	5.15E-08	9.49E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-08	9.49E-08	0.00E+00	0.00E+00	1.46E-07	7.75E-09	1.65E-08	0.00E+00	0.00E+00	2.43E-08
526	500073.3	3732990	5.12E-08	9.44E-08	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-08	9.44E-08	0.00E+00	0.00E+00	1.46E-07	7.71E-09	1.64E-08	0.00E+00	0.00E+00	2.42E-08
527	500064.1	3732987	5.08E-08	9.37E-08	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-08	9.37E-08	0.00E+00	0.00E+00	1.45E-07	7.65E-09	1.63E-08	0.00E+00	0.00E+00	2.40E-08
528	500055	3732983	5.04E-08	9.29E-08	0.00E+00	0.00E+00	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-08	9.29E-08	0.00E+00	0.00E+00	1.43E-07	7.59E-09	1.62E-08	0.00E+00	0.00E+00	2.38E-08
529	500045.9	3732979	4.98E-08	9.18E-08	0.00E+00	0.00E+00	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-08	9.18E-08	0.00E+00	0.00E+00	1.42E-07	7.50E-09	1.60E-08	0.00E+00	0.00E+00	2.35E-08
530	500036.8	3732975	4.92E-08	9.07E-08	0.00E+00	0.00E+00	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-08	9.07E-08	0.00E+00	0.00E+00	1.40E-07	7.41E-09	1.58E-08	0.00E+00	0.00E+00	2.32E-08
531	500027.6	3732971	4.85E-08	8.93E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-08	8.93E-08	0.00E+00	0.00E+00	1.38E-07	7.30E-09	1.56E-08	0.00E+00	0.00E+00	2.29E-08
532	500018.5	3732968	4.76E-08	8.78E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-08	8.78E-08	0.00E+00	0.00E+00	1.35E-07	7.17E-09	1.53E-08	0.00E+00	0.00E+00	2.25E-08
533	500009.4	3732964	4.67E-08	8.61E-08	0.00E+00	0.00E+00	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-08	8.61E-08	0.00E+00	0.00E+00	1.33E-07	7.03E-09	1.50E-08	0.00E+00	0.00E+00	2.20E-08
534	500000.2	3732960	4.57E-08	8.42E-08	0.00E+00	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-08	8.42E-08	0.00E+00	0.00E+00	1.30E-07	6.88E-09	1.47E-08	0.00E+00	0.00E+00	2.16E-08
535	499991.1	3732956	4.46E-08	8.22E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-08	8.22E-08	0.00E+00	0.00E+00	1.27E-07	6.71E-09	1.43E-08	0.00E+00	0.00E+00	2.10E-08
536	499982	3732952	4.33E-08	7.99E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-08	7.99E-08	0.00E+00	0.00E+00	1.23E-07	6.52E-09	1.39E-08	0.00E+00	0.00E+00	2.04E-08
537	499927.2	3732930	3.30E-08	6.08E-08	0.00E+00	0.00E+00	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-08	6.08E-08	0.00E+00	0.00E+00	9.39E-08	4.97E-09	1.06E-08	0.00E+00	0.00E+00	1.56E-08
538	499918.1	3732926	3.08E-08	5.68E-08	0.00E+00	0.00E+00	8.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-08	5.68E-08	0.00E+00	0.00E+00	8.76E-08	4.64E-09	9.89E-09	0.00E+00	0.00E+00	1.45E-08
539	499909	3732922	2.85E-08	5.26E-08	0.00E+00	0.00E+00	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	5.26E-08	0.00E+00	0.00E+00	8.11E-08	4.29E-09	9.16E-09	0.00E+00	0.00E+00	1.35E-08
540	499899.9	3732918	2.62E-08	4.83E-08	0.00E+00	0.00E+00	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.83E-08	0.00E+00	0.00E+00	7.46E-08	3.95E-09	8.42E-09	0.00E+00	0.00E+00	1.24E-08
541	499890.7	3732915	2.40E-08	4.42E-08	0.00E+00	0.00E+00	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-08	4.42E-08	0.00E+00	0.00E+00	6.82E-08	3.61E-09	7.71E-09	0.00E+00	0.00E+00	1.13E-08
542	499881.6	3732911	2.19E-08	4.03E-08	0.00E+00	0.00E+00	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	4.03E-08	0.00E+00	0.00E+00	6.22E-08	3.30E-09	7.03E-09	0.00E+00	0.00E+00	1.03E-08
543	499872.5	3732907	1.99E-08	3.68E-08	0.00E+00	0.00E+00	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.68E-08	0.00E+00	0.00E+00	5.67E-08	3.00E-09	6.41E-09	0.00E+00	0.00E+00	9.41E-09
544	500224.3	3733035	3.49E-08	6.44E-08	0.00E+00	0.00E+00	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-08	6.44E-08	0.00E+00	0.00E+00	9.93E-08	5.26E-09	1.12E-08	0.00E+00	0.00E+00	1.65E-08
545	500237.4	3733046	3.30E-08	6.09E-08	0.00E+00	0.00E+00	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-08	6.09E-08	0.00E+00	0.00E+00	9.39E-08	4.97E-09	1.06E-08	0.00E+00	0.00E+00	1.56E-08
546	500250.4	3733058	3.09E-08	5.70E-08	0.00E+00	0.00E+00	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	5.70E-08	0.00E+00	0.00E+00	8.79E-08	4.65E-09	9.92E-09	0.00E+00	0.00E+00	1.46E-08
547	500258.4	3733072	2.98E-08	5.50E-08	0.00E+00	0.00E+00	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	5.50E-08	0.00E+00	0.00E+00	8.48E-08	4.49E-09	9.58E-09	0.00E+00	0.00E+00	1.41E-08
548	500261.5	3733089	2.98E-08	5.49E-08	0.00E+00	0.00E+00	8.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	5.49E-08	0.00E+00	0.00E+00	8.47E-08	4.49E-09	9.57E-09	0.00E+00	0.00E+00	1.41E-08
549	500190.4	3733017	4.00E-08	7.37E-08	0.00E+00	0.00E+00	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-08	7.37E-08	0.00E+00	0.00E+00	1.14E-07	6.02E-09	1.28E-08	0.00E+00	0.00E+00	1.89E-08
550	500181.3	3733014	4.11E-08	7.58E-08	0.00E+00	0.00E+00	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-08	7.58E-08	0.00E+00	0.00E+00	1.17E-07	6.19E-09	1.32E-08	0.00E+00	0.00E+00	1.94E-08
551	500172.2	3733010	4.21E-08	7.76E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-08	7.76E-08	0.00E+00	0.00E+00	1.20E-07	6.34E-09	1.35E-08	0.00E+00	0.00E+00	1.99E-08
552	500163.1	3733006	4.29E-08	7.92E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-08	7.92E-08	0.00E+00	0.00E+00	1.22E-07	6.47E-09	1.38E-08	0.00E+00	0.00E+00	2.03E-08
553	500153.9	3733002	4.36E-08	8.04E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-08	8.04E-08	0.00E+00	0.00E+00	1.24E-07	6.57E-09	1.40E-08	0.00E+00	0.00E+00	2.06E-08
554	500144.8	3732998	4.41E-08	8.13E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-08	8.13E-08	0.00E+00	0.00E+00	1.25E-07	6.64E-09	1.42E-08	0.00E+00	0.00E+00	2.08E-08
555	500135.7	3732995	4.45E-08	8.20E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-08	8.20E-08	0.00E+00	0.00E+00	1.27E-07	6.70E-09	1.43E-08	0.00E+00	0.00E+00	2.10E-08
556	500126.6	3732991	4.48E-08	8.25E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-08	8.25E-08	0.00E+00	0.00E+00	1.27E-07	6.74E-09	1.44E-08	0.00E+00	0.00E+00	2.11E-08
557	500117.4	3732987	4.49E-08	8.28E-08	0.00E+00	0.00E+00	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	8.28E-08	0.00E+00	0.00E+00	1.28E-07	6.76E-09	1.44E-08	0.00E+00	0.00E+00	2.12E-08
558	500108.3	3732983	4.49E-08	8.28E-08	0.00E+00	0.00E+00	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	8.28E-08	0.00E+00	0.00E+00	1.28E-07	6.77E-09	1.44E-08	0.00E+00	0.00E+00	2.12E-08
559	500099.2	3732979	4.49E-08	8.27E-08	0.00E+00	0.00E+00	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	8.27E-08	0.00E+00	0.00E+00	1.28E-07	6.76E-09	1.44E-08	0.00E+00	0.00E+00	2.12E-08
560	500090.1	3732976	4.47E-08	8.24E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-08	8.24E-08	0.00E+00	0.00E+00	1.27E-07	6.73E-09	1.44E-08	0.00E+00	0.00E+00	2.11E-08
561	500080.9	3732972	4.45E-08	8.20E-08	0.00E+00	0.00E+00	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-08	8.20E-08	0.00E+00	0.00E+00	1.26E-07	6.69E-09	1.43E-08	0.00E+00	0.00E+00	2.10E-08
562	500071.8	3732968	4.41E-08	8.13E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-08	8.13E-08	0.00E+00	0.00E+00	1.25E-07	6.64E-09	1.42E-08	0.00E+00	0.00E+00	2.08E-08
563	500062.7	3732964	4.37E-08	8.06E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-08	8.06E-08	0.00E+00	0.00E+00	1.24E-07	6.58E-09	1.40E-08	0.00E+00	0.00E+00	2.06E-08
564	500053.6	3732961	4.32E-08	7.97E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-08	7.97E-08	0.00E+00	0.00E+00	1.23E-07	6.51E-09	1.39E-08	0.00E+00	0.00E+00	2.04E-08
565	500044.4	3732957	4.26E-08	7.86E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-08	7.86E-08	0.00E+00	0.00E+00	1.21E-07	6.42E-09	1.37E-08	0.00E+00	0.00E+00	2.01E-08
566	500035.3	3732953	4.20E-08	7.74E-08	0.00E+00	0.00E+00	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-08	7.74E-08	0.00E+00	0.00E+00	1.19E-07	6.32E-09	1.35E-08	0.00E+00	0.00E+00	1.98E-08
567	499989.7	3732934	3.74E-08	6.89E-08	0.00E+00	0.00E+00	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-08	6.89E-08	0.00E+00	0.00E+00	1.06E-07	5.63E-09	1.20E-08	0.00E+00	0.00E+00	1.76E-08
568	499980.5	3732930	3.62E-08	6.67E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-08	6.67E-08	0.00E+00	0.00E+00	1.03E-07	5.45E-09	1.16E-08	0.00E+00	0.00E+00	1.71E-08
569	499971.4	3732926	3.49E-08	6.43E-08	0.00E+00	0.00E+00	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-08	6.43E-08	0.00E+00	0.00E+00	9.92E-08	5.25E-09	1.12E-08	0.00E+00	0.00E+00	1.65E-08
570	499962.3	3732923	3.35E-08	6.17E-08	0.00E+00	0.00E+00	9.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	6.17E-08	0.00E+00	0.00E+00	9.52E-08	5.04E-09	1.08E-08	0.00E+00	0.00E+00	1.58E-08
571	499953.2	3732919	3.20E-08	5.89E-08	0.00E+00	0.00E+00	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-08	5.89E-08	0.00E+00	0.00E+00	9.09E-08	4.81E-09	1.03E-08	0.00E+00	0.00E+00	1.51E-08
572	499944	3732915	3.04E-08	5.60E-08	0.00E+00	0.00E+00	8.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-08	5.60E-08	0.00E+00	0.00E+00	8.64E-08	4.57E-09	9.75E-09	0.00E+00	0.00E+00	1.43E-08
573	499934.9	3732911	2.87E-08	5.29E-08	0.00E+00	0.00E+00	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	5.29E-08	0.00E+00	0.00E+00	8.16E-08	4.32E-09	9.21E-09	0.00E+00	0.00E+00	1.35E-08
574	499925.8	3732907	2.69E-08	4.97E-08	0.00E+00	0.00E+00	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.97E-08	0.00E+00	0.00E+00	7.66E-08	4.06E-09	8.65E-09	0.00E+00	0.00E+00	1.27E-08
575	499916.7	3732904	2.52E-08	4.64E-08	0.00E+00	0.00E+00	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-08	4.64E-08	0.00E+00	0.00E+00	7.16E-08	3.79E-09	8.08E-09	0.00E+00	0.00E+00	1.19E-08
576	499907.5	3732900	2.34E-08	4.31E-08	0.00E+00	0.00E+00	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	4.31E-08	0.00E+00	0.00E+00	6.65E-08	3.52E-09	7.51E-09	0.00E+00	0.00E+00	1.10E-08
577	499898.4	3732896	2.17E-08	3.99E-08	0.00E+00	0.00E+00	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.99E-08	0.00E+00	0.00E+00	6.16E-08	3.26E-09	6.96E-09	0.00E+00	0.00E+00	1.02E-08
578	499889.3	3732892	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	3.01E-09	6.43E-09	0.00E+00	0.00E+00	9.44E-09
579	499880.2	3732888	1.85E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	2.78E-09	5.93E-09	0.00E+00	0.00E+00	8.71E-09
580	500232.5	3733016	3.16E-08	5.83E-08	0.00E+00	0.00E+00	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-08	5.83E-08	0.00E+00	0.00E+00	8.99E-08	4.76E-09	1.02E-08	0.00E+00	0.00E+00	1.49E-08
581	500239.5	3733023	3.09E-08	5.69E-08	0.00E+00	0.00E+00	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	5.69E-08	0.00E+00	0.00E+00	8.77E-08	4.64E-09	9.91E-09	0.00E+00	0.00E+00	1.46E-08
582	500246.4	3733029	3.00E-08	5.53E-08	0.00E+00	0.00E+00	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-08	5.53E-08	0.00E+00	0.00E+00	8.53E-08	4.52E-09	9.64E-09	0.00E+00	0.00E+00	1.42E-08
583	500253.4	3733035	2.91E-08	5.37E-08	0.00E+00	0.00E+00	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-08	5.37E-08	0.00E+00	0.00E+00	8.28E-08	4.38E-09	9.35E-09	0.00E+00	0.00E+00	1.37E-08
584	500260.4	3733041	2.82E-08	5.19E-08	0.00E+00	0.00E+00	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	5.19E-08	0.00E+00	0.00E+00	8.01E-08	4.24E-09	9.05E-09	0.00E+00	0.00E+00	1.33E-08
585	500267.4	3733047	2.72E-08	5.02E-08	0.00E+00	0.00E+00	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-08	5.02E-08	0.00E+00	0.00E+00	7.75E-08	4.10E-09	8.75E-09	0.00E+00	0.00E+00	1.29E-08
586	500276	3733063	2.63E-08	4.84E-08	0.00E+00	0.00E+00	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-08	4.84E-08	0.00E+00	0.00E+00	7.47E-08	3.95E-09	8.44E-09	0.00E+00	0.00E+00	1.24E-08
587	500277.7	3733072	2.62E-08	4.83E-08	0.00E+00	0.00E+00	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.83E-08	0.00E+00	0.00E+00	7.45E-08	3.95E-09	8.42E-09	0.00E+00	0.00E+00	1.24E-08
588	500279.3	3733081	2.61E-08	4.82E-08	0.00E+00	0.00E+00	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.82E-08	0.00E+00	0.00E+00	7.43E-08	3.94E-09	8.40E-09	0.00E+00	0.00E+00	1.23E-08
589	500281	3733090	2.60E-08	4.80E-08	0.00E+00	0.00E+00	7.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.80E-08	0.00E+00	0.00E+00	7.40E-08	3.92E-09	8.36E-09	0.00E+00	0.00E+00	1.23E-08
590	500282.6	3733100	2.59E-08	4.78E-08	0.00E+00	0.00E+00	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	4.78E-08	0.00E+00	0.00E+00	7.37E-08	3.90E-09	8.32E-09	0.00E+00	0.00E+00	1.22E-08
591	500284.3	3733109	2.58E-08	4.75E-08	0.00E+00	0.00E+00	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-08	4.75E-08	0.00E+00	0.00E+00	7.33E-08	3.88E-09	8.28E-09	0.00E+00	0.00E+00	1.22E-08
592	500225.5	3733010	3.23E-08	5.95E-08	0.00E+00	0.00E+00	9.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	5.95E-08	0.00E+00	0.00E+00	9.17E-08	4.86E-09	1.04E-08	0.00E+00	0.00E+00	1.52E-08
593	500189	3732995	3.65E-08	6.73E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-08	6.73E-08	0.00E+00	0.00E+00	1.04E-07	5.50E-09	1.17E-08	0.00E+00	0.00E+00	1.72E-08
594	500179.9	3732991	3.73E-08	6.88E-08	0.00E+00	0.00E+00	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-08	6.88E-08	0.00E+00	0.00E+00	1.06E-07	5.62E-09	1.20E-08	0.00E+00	0.00E+00	1.76E-08
595	500170.7	3732988	3.80E-08	7.01E-08	0.00E+00	0.00E+00	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-08	7.01E-08	0.00E+00	0.00E+00	1.08E-07	5.72E-09	1.22E-08	0.00E+00	0.00E+00	1.79E-08
596	500161.6	3732984	3.86E-08	7.11E-08	0.00E+00	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-08	7.11E-08	0.00E+00	0.00E+00	1.10E-07	5.81E-09	1.24E-08	0.00E+00	0.00E+00	1.82E-08
597	500152.5	3732980	3.90E-08	7.19E-08	0.00E+00	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-08	7.19E-08	0.00E+00	0.00E+00	1.11E-07	5.87E-09	1.25E-08	0.00E+00	0.00E+00	1.84E-08
598	500143.4	3732976	3.93E-08	7.25E-08	0.00E+00	0.00E+00	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-08	7.25E-08	0.00E+00	0.00E+00	1.12E-07	5.92E-09	1.26E-08	0.00E+00	0.00E+00	1.86E-08
599	500134.2	3732972	3.96E-08	7.29E-08	0.00E+00	0.00E+00	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-08	7.29E-08	0.00E+00	0.00E+00	1.12E-07	5.96E-09	1.27E-08	0.00E+00	0.00E+00	1.87E-08
600	500125.1	3732969	3.97E-08	7.31E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-08	7.31E-08	0.00E+00	0.00E+00	1.13E-07	5.97E-09	1.27E-08	0.00E+00	0.00E+00	1.87E-08
601	500116	3732965	3.97E-08	7.32E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-08	7.32E-08	0.00E+00	0.00E+00	1.13E-07	5.98E-09	1.28E-08	0.00E+00	0.00E+00	1.87E-08
602	500106.9	3732961	3.96E-08	7.31E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-08	7.31E-08	0.00E+00	0.00E+00	1.13E-07	5.97E-09	1.27E-08	0.00E+00	0.00E+00	1.87E-08
603	500097.7	3732957	3.95E-08	7.28E-08	0.00E+00	0.00E+00	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-08	7.28E-08	0.00E+00	0.00E+00	1.12E-07	5.95E-09	1.27E-08	0.00E+00	0.00E+00	1.86E-08
604	500088.6	3732953	3.93E-08	7.24E-08	0.00E+00	0.00E+00	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-08	7.24E-08	0.00E+00	0.00E+00	1.12E-07	5.91E-09	1.26E-08	0.00E+00	0.00E+00	1.85E-08
605	500033.8	3732931	3.64E-08	6.70E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-08	6.70E-08	0.00E+00	0.00E+00	1.03E-07	5.47E-09	1.17E-08	0.00E+00	0.00E+00	1.71E-08
606	500024.7	3732927	3.56E-08	6.56E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-08	6.56E-08	0.00E+00	0.00E+00	1.01E-07	5.36E-09	1.14E-08	0.00E+00	0.00E+00	1.68E-08
607	500015.6	3732923	3.48E-08	6.41E-08	0.00E+00	0.00E+00	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	6.41E-08	0.00E+00	0.00E+00	9.89E-08	5.24E-09	1.12E-08	0.00E+00	0.00E+00	1.64E-08
608	500006.5	3732919	3.39E-08	6.25E-08	0.00E+00	0.00E+00	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-08	6.25E-08	0.00E+00	0.00E+00	9.63E-08	5.10E-09	1.09E-08	0.00E+00	0.00E+00	1.60E-08
609	499997.3	3732915	3.29E-08	6.07E-08	0.00E+00	0.00E+00	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-08	6.07E-08	0.00E+00	0.00E+00	9.36E-08	4.95E-09	1.06E-08	0.00E+00	0.00E+00	1.55E-08
610	499988.2	3732912	3.19E-08	5.87E-08	0.00E+00	0.00E+00	9.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-08	5.87E-08	0.00E+00	0.00E+00	9.06E-08	4.80E-09	1.02E-08	0.00E+00	0.00E+00	1.50E-08
611	499979.1	3732908	3.07E-08	5.66E-08	0.00E+00	0.00E+00	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-08	5.66E-08	0.00E+00	0.00E+00	8.73E-08	4.63E-09	9.87E-09	0.00E+00	0.00E+00	1.45E-08
612	499970	3732904	2.95E-08	5.44E-08	0.00E+00	0.00E+00	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-08	5.44E-08	0.00E+00	0.00E+00	8.39E-08	4.44E-09	9.48E-09	0.00E+00	0.00E+00	1.39E-08
613	499960.8	3732900	2.82E-08	5.20E-08	0.00E+00	0.00E+00	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	5.20E-08	0.00E+00	0.00E+00	8.03E-08	4.25E-09	9.07E-09	0.00E+00	0.00E+00	1.33E-08
614	499951.7	3732897	2.69E-08	4.96E-08	0.00E+00	0.00E+00	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.96E-08	0.00E+00	0.00E+00	7.65E-08	4.05E-09	8.64E-09	0.00E+00	0.00E+00	1.27E-08
615	499942.6	3732893	2.55E-08	4.70E-08	0.00E+00	0.00E+00	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-08	4.70E-08	0.00E+00	0.00E+00	7.25E-08	3.84E-09	8.19E-09	0.00E+00	0.00E+00	1.20E-08
616	499933.5	3732889	2.41E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	3.63E-09	7.73E-09	0.00E+00	0.00E+00	1.14E-08
617	499924.3	3732885	2.26E-08	4.17E-08	0.00E+00	0.00E+00	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.17E-08	0.00E+00	0.00E+00	6.44E-08	3.41E-09	7.27E-09	0.00E+00	0.00E+00	1.07E-08
618	499915.2	3732881	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	3.19E-09	6.81E-09	0.00E+00	0.00E+00	1.00E-08
619	499906.1	3732878	1.98E-08	3.65E-08	0.00E+00	0.00E+00	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.65E-08	0.00E+00	0.00E+00	5.64E-08	2.98E-09	6.37E-09	0.00E+00	0.00E+00	9.35E-09
620	499897	3732874	1.85E-08	3.41E-08	0.00E+00	0.00E+00	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.41E-08	0.00E+00	0.00E+00	5.25E-08	2.78E-09	5.93E-09	0.00E+00	0.00E+00	8.72E-09
621	499887.8	3732870	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	2.59E-09	5.53E-09	0.00E+00	0.00E+00	8.12E-09
622	500240.5	3732998	2.89E-08	5.32E-08	0.00E+00	0.00E+00	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-08	5.32E-08	0.00E+00	0.00E+00	8.21E-08	4.35E-09	9.27E-09	0.00E+00	0.00E+00	1.36E-08
623	500247.8	3733005	2.82E-08	5.21E-08	0.00E+00	0.00E+00	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	5.21E-08	0.00E+00	0.00E+00	8.03E-08	4.25E-09	9.07E-09	0.00E+00	0.00E+00	1.33E-08
624	500255.1	3733011	2.75E-08	5.08E-08	0.00E+00	0.00E+00	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-08	5.08E-08	0.00E+00	0.00E+00	7.83E-08	4.15E-09	8.85E-09	0.00E+00	0.00E+00	1.30E-08
625	500262.5	3733018	2.68E-08	4.94E-08	0.00E+00	0.00E+00	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-08	4.94E-08	0.00E+00	0.00E+00	7.61E-08	4.03E-09	8.60E-09	0.00E+00	0.00E+00	1.26E-08
626	500269.8	3733024	2.60E-08	4.79E-08	0.00E+00	0.00E+00	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.79E-08	0.00E+00	0.00E+00	7.38E-08	3.91E-09	8.34E-09	0.00E+00	0.00E+00	1.23E-08
627	500277.1	3733031	2.51E-08	4.63E-08	0.00E+00	0.00E+00	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	4.63E-08	0.00E+00	0.00E+00	7.15E-08	3.79E-09	8.07E-09	0.00E+00	0.00E+00	1.19E-08
628	500284.4	3733037	2.43E-08	4.48E-08	0.00E+00	0.00E+00	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-08	4.48E-08	0.00E+00	0.00E+00	6.91E-08	3.66E-09	7.80E-09	0.00E+00	0.00E+00	1.15E-08
629	500293.5	3733054	2.34E-08	4.31E-08	0.00E+00	0.00E+00	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	4.31E-08	0.00E+00	0.00E+00	6.65E-08	3.52E-09	7.51E-09	0.00E+00	0.00E+00	1.10E-08
630	500295.3	3733063	2.33E-08	4.29E-08	0.00E+00	0.00E+00	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	4.29E-08	0.00E+00	0.00E+00	6.62E-08	3.51E-09	7.48E-09	0.00E+00	0.00E+00	1.10E-08
631	500297	3733073	2.32E-08	4.27E-08	0.00E+00	0.00E+00	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	4.27E-08	0.00E+00	0.00E+00	6.59E-08	3.49E-09	7.45E-09	0.00E+00	0.00E+00	1.09E-08
632	500298.7	3733082	2.31E-08	4.25E-08	0.00E+00	0.00E+00	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	4.25E-08	0.00E+00	0.00E+00	6.56E-08	3.47E-09	7.41E-09	0.00E+00	0.00E+00	1.09E-08
633	500300.5	3733092	2.29E-08	4.22E-08	0.00E+00	0.00E+00	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-08	4.22E-08	0.00E+00	0.00E+00	6.51E-08	3.45E-09	7.36E-09	0.00E+00	0.00E+00	1.08E-08
634	500302.2	3733102	2.27E-08	4.19E-08	0.00E+00	0.00E+00	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	4.19E-08	0.00E+00	0.00E+00	6.46E-08	3.42E-09	7.30E-09	0.00E+00	0.00E+00	1.07E-08
635	500304	3733111	2.25E-08	4.16E-08	0.00E+00	0.00E+00	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	4.16E-08	0.00E+00	0.00E+00	6.41E-08	3.39E-09	7.24E-09	0.00E+00	0.00E+00	1.06E-08
636	500233.2	3732992	2.94E-08	5.42E-08	0.00E+00	0.00E+00	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	5.42E-08	0.00E+00	0.00E+00	8.37E-08	4.43E-09	9.45E-09	0.00E+00	0.00E+00	1.39E-08
637	500224	3732988	3.04E-08	5.60E-08	0.00E+00	0.00E+00	8.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-08	5.60E-08	0.00E+00	0.00E+00	8.64E-08	4.58E-09	9.76E-09	0.00E+00	0.00E+00	1.43E-08
638	500187.5	3732973	3.35E-08	6.18E-08	0.00E+00	0.00E+00	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	6.18E-08	0.00E+00	0.00E+00	9.53E-08	5.05E-09	1.08E-08	0.00E+00	0.00E+00	1.58E-08
639	500178.4	3732969	3.41E-08	6.28E-08	0.00E+00	0.00E+00	9.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-08	6.28E-08	0.00E+00	0.00E+00	9.69E-08	5.13E-09	1.09E-08	0.00E+00	0.00E+00	1.61E-08
640	500169.3	3732965	3.45E-08	6.37E-08	0.00E+00	0.00E+00	9.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-08	6.37E-08	0.00E+00	0.00E+00	9.82E-08	5.20E-09	1.11E-08	0.00E+00	0.00E+00	1.63E-08
641	500160.2	3732961	3.49E-08	6.44E-08	0.00E+00	0.00E+00	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-08	6.44E-08	0.00E+00	0.00E+00	9.93E-08	5.26E-09	1.12E-08	0.00E+00	0.00E+00	1.65E-08
642	500151	3732958	3.52E-08	6.49E-08	0.00E+00	0.00E+00	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-08	6.49E-08	0.00E+00	0.00E+00	1.00E-07	5.30E-09	1.13E-08	0.00E+00	0.00E+00	1.66E-08
643	500141.9	3732954	3.54E-08	6.53E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-08	6.53E-08	0.00E+00	0.00E+00	1.01E-07	5.33E-09	1.14E-08	0.00E+00	0.00E+00	1.67E-08
644	500087.2	3732931	3.49E-08	6.42E-08	0.00E+00	0.00E+00	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-08	6.42E-08	0.00E+00	0.00E+00	9.91E-08	5.25E-09	1.12E-08	0.00E+00	0.00E+00	1.64E-08
645	500078	3732927	3.45E-08	6.36E-08	0.00E+00	0.00E+00	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-08	6.36E-08	0.00E+00	0.00E+00	9.81E-08	5.20E-09	1.11E-08	0.00E+00	0.00E+00	1.63E-08
646	500068.9	3732924	3.41E-08	6.28E-08	0.00E+00	0.00E+00	9.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-08	6.28E-08	0.00E+00	0.00E+00	9.69E-08	5.13E-09	1.10E-08	0.00E+00	0.00E+00	1.61E-08

647	500059.8	3732920	3.36E-08	6.20E-08	0.00E+00	0.00E+00	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-08	6.20E-08	0.00E+00	0.00E+00	9.56E-08	5.06E-09	1.08E-08	0.00E+00	0.00E+00	1.59E-08
648	500050.6	3732916	3.31E-08	6.10E-08	0.00E+00	0.00E+00	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-08	6.10E-08	0.00E+00	0.00E+00	9.40E-08	4.98E-09	1.06E-08	0.00E+00	0.00E+00	1.56E-08
649	500041.5	3732912	3.25E-08	5.98E-08	0.00E+00	0.00E+00	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-08	5.98E-08	0.00E+00	0.00E+00	9.23E-08	4.89E-09	1.04E-08	0.00E+00	0.00E+00	1.53E-08
650	500032.4	3732908	3.18E-08	5.86E-08	0.00E+00	0.00E+00	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	5.86E-08	0.00E+00	0.00E+00	9.04E-08	4.79E-09	1.02E-08	0.00E+00	0.00E+00	1.50E-08
651	500023.3	3732905	3.11E-08	5.72E-08	0.00E+00	0.00E+00	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-08	5.72E-08	0.00E+00	0.00E+00	8.83E-08	4.68E-09	9.97E-09	0.00E+00	0.00E+00	1.47E-08
652	500014.1	3732901	3.03E-08	5.58E-08	0.00E+00	0.00E+00	8.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-08	5.58E-08	0.00E+00	0.00E+00	8.60E-08	4.56E-09	9.72E-09	0.00E+00	0.00E+00	1.43E-08
653	500005	3732897	2.94E-08	5.42E-08	0.00E+00	0.00E+00	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	5.42E-08	0.00E+00	0.00E+00	8.36E-08	4.42E-09	9.44E-09	0.00E+00	0.00E+00	1.39E-08
654	499995.9	3732893	2.85E-08	5.25E-08	0.00E+00	0.00E+00	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	5.25E-08	0.00E+00	0.00E+00	8.09E-08	4.29E-09	9.14E-09	0.00E+00	0.00E+00	1.34E-08
655	499986.8	3732889	2.75E-08	5.06E-08	0.00E+00	0.00E+00	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-08	5.06E-08	0.00E+00	0.00E+00	7.81E-08	4.14E-09	8.82E-09	0.00E+00	0.00E+00	1.30E-08
656	499977.6	3732886	2.64E-08	4.87E-08	0.00E+00	0.00E+00	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.87E-08	0.00E+00	0.00E+00	7.51E-08	3.98E-09	8.49E-09	0.00E+00	0.00E+00	1.25E-08
657	499968.5	3732882	2.53E-08	4.67E-08	0.00E+00	0.00E+00	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-08	4.67E-08	0.00E+00	0.00E+00	7.20E-08	3.81E-09	8.14E-09	0.00E+00	0.00E+00	1.19E-08
658	499959.4	3732878	2.42E-08	4.46E-08	0.00E+00	0.00E+00	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	4.46E-08	0.00E+00	0.00E+00	6.88E-08	3.64E-09	7.77E-09	0.00E+00	0.00E+00	1.14E-08
659	499950.3	3732874	2.30E-08	4.24E-08	0.00E+00	0.00E+00	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	4.24E-08	0.00E+00	0.00E+00	6.55E-08	3.47E-09	7.40E-09	0.00E+00	0.00E+00	1.09E-08
660	499941.1	3732870	2.18E-08	4.03E-08	0.00E+00	0.00E+00	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	4.03E-08	0.00E+00	0.00E+00	6.21E-08	3.29E-09	7.01E-09	0.00E+00	0.00E+00	1.03E-08
661	499932	3732867	2.06E-08	3.81E-08	0.00E+00	0.00E+00	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.81E-08	0.00E+00	0.00E+00	5.87E-08	3.11E-09	6.63E-09	0.00E+00	0.00E+00	9.74E-09
662	499922.9	3732863	1.95E-08	3.59E-08	0.00E+00	0.00E+00	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.59E-08	0.00E+00	0.00E+00	5.53E-08	2.93E-09	6.25E-09	0.00E+00	0.00E+00	9.18E-09
663	499913.8	3732859	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	2.76E-09	5.88E-09	0.00E+00	0.00E+00	8.63E-09
664	499904.6	3732855	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.88E-08	2.59E-09	5.52E-09	0.00E+00	0.00E+00	8.10E-09
665	499895.5	3732852	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	2.42E-09	5.17E-09	0.00E+00	0.00E+00	7.60E-09
666	500247.7	3732979	2.66E-08	4.91E-08	0.00E+00	0.00E+00	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.91E-08	0.00E+00	0.00E+00	7.57E-08	4.01E-09	8.55E-09	0.00E+00	0.00E+00	1.26E-08
667	500254.5	3732985	2.61E-08	4.82E-08	0.00E+00	0.00E+00	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.82E-08	0.00E+00	0.00E+00	7.43E-08	3.94E-09	8.40E-09	0.00E+00	0.00E+00	1.23E-08
668	500261.4	3732992	2.56E-08	4.72E-08	0.00E+00	0.00E+00	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	4.72E-08	0.00E+00	0.00E+00	7.28E-08	3.86E-09	8.23E-09	0.00E+00	0.00E+00	1.21E-08
669	500268.2	3732998	2.50E-08	4.62E-08	0.00E+00	0.00E+00	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	4.62E-08	0.00E+00	0.00E+00	7.12E-08	3.77E-09	8.04E-09	0.00E+00	0.00E+00	1.18E-08
670	500275	3733004	2.44E-08	4.50E-08	0.00E+00	0.00E+00	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	4.50E-08	0.00E+00	0.00E+00	6.95E-08	3.68E-09	7.85E-09	0.00E+00	0.00E+00	1.15E-08
671	500281.9	3733010	2.38E-08	4.39E-08	0.00E+00	0.00E+00	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-08	4.39E-08	0.00E+00	0.00E+00	6.77E-08	3.58E-09	7.64E-09	0.00E+00	0.00E+00	1.12E-08
672	500288.7	3733016	2.31E-08	4.26E-08	0.00E+00	0.00E+00	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	4.26E-08	0.00E+00	0.00E+00	6.58E-08	3.48E-09	7.43E-09	0.00E+00	0.00E+00	1.09E-08
673	500295.5	3733022	2.24E-08	4.14E-08	0.00E+00	0.00E+00	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	4.14E-08	0.00E+00	0.00E+00	6.38E-08	3.38E-09	7.21E-09	0.00E+00	0.00E+00	1.06E-08
674	500302.4	3733028	2.17E-08	4.01E-08	0.00E+00	0.00E+00	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	4.01E-08	0.00E+00	0.00E+00	6.18E-08	3.27E-09	6.98E-09	0.00E+00	0.00E+00	1.03E-08
675	500310.8	3733043	2.10E-08	3.86E-08	0.00E+00	0.00E+00	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.86E-08	0.00E+00	0.00E+00	5.96E-08	3.16E-09	6.73E-09	0.00E+00	0.00E+00	9.89E-09
676	500312.5	3733052	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.94E-08	3.14E-09	6.71E-09	0.00E+00	0.00E+00	9.85E-09
677	500314.1	3733061	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.91E-08	3.13E-09	6.67E-09	0.00E+00	0.00E+00	9.80E-09
678	500315.7	3733070	2.07E-08	3.81E-08	0.00E+00	0.00E+00	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.81E-08	0.00E+00	0.00E+00	5.87E-08	3.11E-09	6.63E-09	0.00E+00	0.00E+00	9.74E-09
679	500317.3	3733079	2.05E-08	3.78E-08	0.00E+00	0.00E+00	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.78E-08	0.00E+00	0.00E+00	5.83E-08	3.09E-09	6.59E-09	0.00E+00	0.00E+00	9.68E-09
680	500319	3733088	2.04E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	3.07E-09	6.54E-09	0.00E+00	0.00E+00	9.61E-09
681	500320.6	3733097	2.02E-08	3.72E-08	0.00E+00	0.00E+00	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.72E-08	0.00E+00	0.00E+00	5.74E-08	3.04E-09	6.49E-09	0.00E+00	0.00E+00	9.53E-09
682	500322.2	3733106	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	3.01E-09	6.42E-09	0.00E+00	0.00E+00	9.44E-09
683	500240.8	3732973	2.70E-08	4.98E-08	0.00E+00	0.00E+00	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-08	4.98E-08	0.00E+00	0.00E+00	7.68E-08	4.07E-09	8.68E-09	0.00E+00	0.00E+00	1.27E-08
684	500231.7	3732970	2.78E-08	5.13E-08	0.00E+00	0.00E+00	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	5.13E-08	0.00E+00	0.00E+00	7.91E-08	4.19E-09	8.93E-09	0.00E+00	0.00E+00	1.31E-08
685	500222.6	3732966	2.86E-08	5.26E-08	0.00E+00	0.00E+00	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-08	5.26E-08	0.00E+00	0.00E+00	8.12E-08	4.30E-09	9.17E-09	0.00E+00	0.00E+00	1.35E-08
686	500140.5	3732932	3.21E-08	5.91E-08	0.00E+00	0.00E+00	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-08	5.91E-08	0.00E+00	0.00E+00	9.12E-08	4.83E-09	1.03E-08	0.00E+00	0.00E+00	1.51E-08
687	500131.3	3732928	3.21E-08	5.91E-08	0.00E+00	0.00E+00	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-08	5.91E-08	0.00E+00	0.00E+00	9.12E-08	4.83E-09	1.03E-08	0.00E+00	0.00E+00	1.51E-08
688	500122.2	3732924	3.20E-08	5.90E-08	0.00E+00	0.00E+00	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-08	5.90E-08	0.00E+00	0.00E+00	9.11E-08	4.82E-09	1.03E-08	0.00E+00	0.00E+00	1.51E-08
689	500113.1	3732920	3.19E-08	5.88E-08	0.00E+00	0.00E+00	9.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-08	5.88E-08	0.00E+00	0.00E+00	9.07E-08	4.80E-09	1.02E-08	0.00E+00	0.00E+00	1.50E-08
690	500103.9	3732916	3.17E-08	5.85E-08	0.00E+00	0.00E+00	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-08	5.85E-08	0.00E+00	0.00E+00	9.02E-08	4.78E-09	1.02E-08	0.00E+00	0.00E+00	1.50E-08
691	500094.8	3732913	3.15E-08	5.80E-08	0.00E+00	0.00E+00	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-08	5.80E-08	0.00E+00	0.00E+00	8.94E-08	4.74E-09	1.01E-08	0.00E+00	0.00E+00	1.48E-08
692	500085.7	3732909	3.11E-08	5.74E-08	0.00E+00	0.00E+00	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-08	5.74E-08	0.00E+00	0.00E+00	8.86E-08	4.69E-09	1.00E-08	0.00E+00	0.00E+00	1.47E-08
693	500076.6	3732905	3.08E-08	5.67E-08	0.00E+00	0.00E+00	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-08	5.67E-08	0.00E+00	0.00E+00	8.75E-08	4.63E-09	9.88E-09	0.00E+00	0.00E+00	1.45E-08
694	500067.4	3732901	3.03E-08	5.59E-08	0.00E+00	0.00E+00	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-08	5.59E-08	0.00E+00	0.00E+00	8.62E-08	4.57E-09	9.74E-09	0.00E+00	0.00E+00	1.43E-08
695	500058.3	3732898	2.98E-08	5.50E-08	0.00E+00	0.00E+00	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	5.50E-08	0.00E+00	0.00E+00	8.48E-08	4.49E-09	9.58E-09	0.00E+00	0.00E+00	1.41E-08
696	500049.2	3732894	2.93E-08	5.40E-08	0.00E+00	0.00E+00	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-08	5.40E-08	0.00E+00	0.00E+00	8.33E-08	4.41E-09	9.41E-09	0.00E+00	0.00E+00	1.38E-08
697	500040.1	3732890	2.87E-08	5.29E-08	0.00E+00	0.00E+00	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	5.29E-08	0.00E+00	0.00E+00	8.16E-08	4.32E-09	9.21E-09	0.00E+00	0.00E+00	1.35E-08
698	500030.9	3732886	2.80E-08	5.17E-08	0.00E+00	0.00E+00	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	5.17E-08	0.00E+00	0.00E+00	7.97E-08	4.22E-09	9.00E-09	0.00E+00	0.00E+00	1.32E-08
699	500021.8	3732882	2.73E-08	5.03E-08	0.00E+00	0.00E+00	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-08	5.03E-08	0.00E+00	0.00E+00	7.76E-08	4.11E-09	8.77E-09	0.00E+00	0.00E+00	1.29E-08
700	500012.7	3732879	2.65E-08	4.89E-08	0.00E+00	0.00E+00	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-08	4.89E-08	0.00E+00	0.00E+00	7.55E-08	4.00E-09	8.52E-09	0.00E+00	0.00E+00	1.25E-08
701	500003.6	3732875	2.57E-08	4.74E-08	0.00E+00	0.00E+00	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-08	4.74E-08	0.00E+00	0.00E+00	7.31E-08	3.87E-09	8.26E-09	0.00E+00	0.00E+00	1.21E-08
702	499994.4	3732871	2.49E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	3.74E-09	7.98E-09	0.00E+00	0.00E+00	1.17E-08
703	499985.3	3732867	2.39E-08	4.41E-08	0.00E+00	0.00E+00	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	4.41E-08	0.00E+00	0.00E+00	6.81E-08	3.61E-09	7.69E-09	0.00E+00	0.00E+00	1.13E-08
704	499976.2	3732863	2.30E-08	4.24E-08	0.00E+00	0.00E+00	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	4.24E-08	0.00E+00	0.00E+00	6.54E-08	3.46E-09	7.39E-09	0.00E+00	0.00E+00	1.08E-08
705	499967.1	3732860	2.20E-08	4.06E-08	0.00E+00	0.00E+00	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	4.06E-08	0.00E+00	0.00E+00	6.26E-08	3.32E-09	7.07E-09	0.00E+00	0.00E+00	1.04E-08
706	499957.9	3732856	2.10E-08	3.88E-08	0.00E+00	0.00E+00	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.88E-08	0.00E+00	0.00E+00	5.98E-08	3.17E-09	6.75E-09	0.00E+00	0.00E+00	9.92E-09
707	499948.8	3732852	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	3.01E-09	6.43E-09	0.00E+00	0.00E+00	9.44E-09
708	499939.7	3732848	1.90E-08	3.50E-08	0.00E+00	0.00E+00	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	3.50E-08	0.00E+00	0.00E+00	5.40E-08	2.86E-09	6.10E-09	0.00E+00	0.00E+00	8.96E-09
709	499930.6	3732844	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	2.71E-09	5.78E-09	0.00E+00	0.00E+00	8.49E-09
710	499921.4	3732841	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	2.56E-09	5.46E-09	0.00E+00	0.00E+00	8.03E-09
711	499912.3	3732837	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	2.42E-09	5.16E-09	0.00E+00	0.00E+00	7.58E-09
712	499903.2	3732833	1.51E-08	2.79E-08	0.00E+00	0.00E+00	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.79E-08	0.00E+00	0.00E+00	4.30E-08	2.28E-09	4.86E-09	0.00E+00	0.00E+00	7.14E-09
713	500255.6	3732961	2.46E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	3.71E-09	7.90E-09	0.00E+00	0.00E+00	1.16E-08
714	500262.7	3732967	2.42E-08	4.46E-08	0.00E+00	0.00E+00	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	4.46E-08	0.00E+00	0.00E+00	6.88E-08	3.64E-09	7.77E-09	0.00E+00	0.00E+00	1.14E-08
715	500269.8	3732974	2.38E-08	4.38E-08	0.00E+00	0.00E+00	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-08	4.38E-08	0.00E+00	0.00E+00	6.75E-08	3.58E-09	7.63E-09	0.00E+00	0.00E+00	1.12E-08
716	500276.9	3732980	2.33E-08	4.29E-08	0.00E+00	0.00E+00	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	4.29E-08	0.00E+00	0.00E+00	6.61E-08	3.50E-09	7.47E-09	0.00E+00	0.00E+00	1.10E-08
717	500284	3732986	2.27E-08	4.19E-08	0.00E+00	0.00E+00	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	4.19E-08	0.00E+00	0.00E+00	6.46E-08	3.42E-09	7.30E-09	0.00E+00	0.00E+00	1.07E-08
718	500291.1	3732993	2.21E-08	4.08E-08	0.00E+00	0.00E+00	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	4.08E-08	0.00E+00	0.00E+00	6.30E-08	3.33E-09	7.11E-09	0.00E+00	0.00E+00	1.04E-08
719	500298.2	3732999	2.15E-08	3.97E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.97E-08	0.00E+00	0.00E+00	6.13E-08	3.24E-09	6.92E-09	0.00E+00	0.00E+00	1.02E-08
720	500305.3	3733005	2.09E-08	3.86E-08	0.00E+00	0.00E+00	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.86E-08	0.00E+00	0.00E+00	5.95E-08	3.15E-09	6.72E-09	0.00E+00	0.00E+00	9.87E-09
721	500312.4	3733012	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	3.05E-09	6.52E-09	0.00E+00	0.00E+00	9.57E-09
722	500319.5	3733018	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.59E-08	2.96E-09	6.31E-09	0.00E+00	0.00E+00	9.27E-09
723	500328.3	3733034	1.89E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	2.85E-09	6.08E-09	0.00E+00	0.00E+00	8.93E-09
724	500330	3733043	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	2.84E-09	6.05E-09	0.00E+00	0.00E+00	8.88E-09
725	500331.7	3733052	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	2.82E-09	6.01E-09	0.00E+00	0.00E+00	8.83E-09
726	500333.4	3733062	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.29E-08	2.80E-09	5.97E-09	0.00E+00	0.00E+00	8.77E-09
727	500335.1	3733071	1.84E-08	3.40E-08	0.00E+00	0.00E+00	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	3.40E-08	0.00E+00	0.00E+00	5.24E-08	2.78E-09	5.92E-09	0.00E+00	0.00E+00	8.70E-09
728	500336.8	3733080	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	2.75E-09	5.87E-09	0.00E+00	0.00E+00	8.62E-09
729	500338.5	3733090	1.81E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	2.73E-09	5.81E-09	0.00E+00	0.00E+00	8.54E-09
730	500340.2	3733099	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	2.70E-09	5.75E-09	0.00E+00	0.00E+00	8.45E-09
731	500341.9	3733108	1.77E-08	3.26E-08	0.00E+00	0.00E+00	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.26E-08	0.00E+00	0.00E+00	5.03E-08	2.67E-09	5.69E-09	0.00E+00	0.00E+00	8.35E-09
732	500193.8	3732932	2.82E-08	5.20E-08	0.00E+00	0.00E+00	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	5.20E-08	0.00E+00	0.00E+00	8.01E-08	4.24E-09	9.05E-09	0.00E+00	0.00E+00	1.33E-08
733	500184.6	3732928	2.85E-08	5.26E-08	0.00E+00	0.00E+00	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	5.26E-08	0.00E+00	0.00E+00	8.11E-08	4.29E-09	9.16E-09	0.00E+00	0.00E+00	1.35E-08
734	500175.5	3732925	2.88E-08	5.30E-08	0.00E+00	0.00E+00	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-08	5.30E-08	0.00E+00	0.00E+00	8.18E-08	4.33E-09	9.24E-09	0.00E+00	0.00E+00	1.36E-08
735	500166.4	3732921	2.90E-08	5.34E-08	0.00E+00	0.00E+00	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-08	5.34E-08	0.00E+00	0.00E+00	8.24E-08	4.36E-09	9.31E-09	0.00E+00	0.00E+00	1.37E-08
736	500157.3	3732917	2.91E-08	5.37E-08	0.00E+00	0.00E+00	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-08	5.37E-08	0.00E+00	0.00E+00	8.28E-08	4.38E-09	9.35E-09	0.00E+00	0.00E+00	1.37E-08
737	500148.1	3732913	2.92E-08	5.38E-08	0.00E+00	0.00E+00	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	5.38E-08	0.00E+00	0.00E+00	8.30E-08	4.39E-09	9.37E-09	0.00E+00	0.00E+00	1.38E-08
738	500139	3732909	2.92E-08	5.38E-08	0.00E+00	0.00E+00	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	5.38E-08	0.00E+00	0.00E+00	8.30E-08	4.39E-09	9.37E-09	0.00E+00	0.00E+00	1.38E-08
739	500129.9	3732906	2.91E-08	5.37E-08	0.00E+00	0.00E+00	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-08	5.37E-08	0.00E+00	0.00E+00	8.28E-08	4.39E-09	9.36E-09	0.00E+00	0.00E+00	1.37E-08
740	500120.7	3732902	2.90E-08	5.35E-08	0.00E+00	0.00E+00	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-08	5.35E-08	0.00E+00	0.00E+00	8.25E-08	4.37E-09	9.32E-09	0.00E+00	0.00E+00	1.37E-08
741	500111.6	3732898	2.88E-08	5.32E-08	0.00E+00	0.00E+00	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-08	5.32E-08	0.00E+00	0.00E+00	8.20E-08	4.34E-09	9.26E-09	0.00E+00	0.00E+00	1.36E-08
742	500102.5	3732894	2.86E-08	5.27E-08	0.00E+00	0.00E+00	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-08	5.27E-08	0.00E+00	0.00E+00	8.14E-08	4.31E-09	9.19E-09	0.00E+00	0.00E+00	1.35E-08
743	500093.4	3732890	2.83E-08	5.22E-08	0.00E+00	0.00E+00	8.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-08	5.22E-08	0.00E+00	0.00E+00	8.05E-08	4.26E-09	9.10E-09	0.00E+00	0.00E+00	1.34E-08
744	500084.2	3732887	2.80E-08	5.16E-08	0.00E+00	0.00E+00	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	5.16E-08	0.00E+00	0.00E+00	7.96E-08	4.21E-09	8.99E-09	0.00E+00	0.00E+00	1.32E-08
745	500075.1	3732883	2.76E-08	5.08E-08	0.00E+00	0.00E+00	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-08	5.08E-08	0.00E+00	0.00E+00	7.84E-08	4.15E-09	8.86E-09	0.00E+00	0.00E+00	1.30E-08
746	500066	3732879	2.71E-08	5.00E-08	0.00E+00	0.00E+00	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	5.00E-08	0.00E+00	0.00E+00	7.72E-08	4.09E-09	8.72E-09	0.00E+00	0.00E+00	1.28E-08
747	500056.9	3732875	2.66E-08	4.91E-08	0.00E+00	0.00E+00	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.91E-08	0.00E+00	0.00E+00	7.57E-08	4.01E-09	8.56E-09	0.00E+00	0.00E+00	1.26E-08
748	500047.7	3732871	2.61E-08	4.81E-08	0.00E+00	0.00E+00	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.81E-08	0.00E+00	0.00E+00	7.42E-08	3.93E-09	8.38E-09	0.00E+00	0.00E+00	1.23E-08
749	500038.6	3732868	2.55E-08	4.70E-08	0.00E+00	0.00E+00	7.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-08	4.70E-08	0.00E+00	0.00E+00	7.25E-08	3.84E-09	8.19E-09	0.00E+00	0.00E+00	1.20E-08
750	500029.5	3732864	2.49E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	3.74E-09	7.98E-09	0.00E+00	0.00E+00	1.17E-08
751	500020.4	3732860	2.42E-08	4.46E-08	0.00E+00	0.00E+00	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	4.46E-08	0.00E+00	0.00E+00	6.87E-08	3.64E-09	7.76E-09	0.00E+00	0.00E+00	1.14E-08
752	500011.2	3732856	2.35E-08	4.32E-08	0.00E+00	0.00E+00	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-08	4.32E-08	0.00E+00	0.00E+00	6.67E-08	3.53E-09	7.53E-09	0.00E+00	0.00E+00	1.11E-08
753	500002.1	3732853	2.27E-08	4.18E-08	0.00E+00	0.00E+00	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	4.18E-08	0.00E+00	0.00E+00	6.45E-08	3.42E-09	7.29E-09	0.00E+00	0.00E+00	1.07E-08
754	499993	3732849	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.22E-08	3.30E-09	7.03E-09	0.00E+00	0.00E+00	1.03E-08
755	499983.9	3732845	2.11E-08	3.88E-08	0.00E+00	0.00E+00	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.88E-08	0.00E+00	0.00E+00	5.99E-08	3.17E-09	6.77E-09	0.00E+00	0.00E+00	9.94E-09
756	499974.7	3732841	2.02E-08	3.73E-08	0.00E+00	0.00E+00	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.73E-08	0.00E+00	0.00E+00	5.75E-08	3.04E-09	6.49E-09	0.00E+00	0.00E+00	9.54E-09
757	499965.6	3732837	1.94E-08	3.57E-08	0.00E+00	0.00E+00	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.57E-08	0.00E+00	0.00E+00	5.50E-08	2.92E-09	6.22E-09	0.00E+00	0.00E+00	9.13E-09
758	499956.5	3732834	1.85E-08	3.41E-08	0.00E+00	0.00E+00	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.41E-08	0.00E+00	0.00E+00	5.26E-08	2.78E-09	5.94E-09	0.00E+00	0.00E+00	8.72E-09
759	499947.3	3732830	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	2.65E-09	5.66E-09	0.00E+00	0.00E+00	8.31E-09
760	499938.2	3732826	1.68E-08	3.09E-08	0.00E+00	0.00E+00	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.09E-08	0.00E+00	0.00E+00	4.76E-08	2.52E-09	5.38E-09	0.00E+00	0.00E+00	7.90E-09
761	499929.1	3732822	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	2.40E-09	5.11E-09	0.00E+00	0.00E+00	7.50E-09
762	499920	3732818	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	2.27E-09	4.84E-09	0.00E+00	0.00E+00	7.11E-09
763	499910.8	3732815	1.43E-08	2.63E-08	0.00E+00	0.00E+00	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.63E-08	0.00E+00	0.00E+00	4.06E-08	2.15E-09	4.59E-09	0.00E+00	0.00E+00	6.74E-09
764	500278.2	3732956	2.21E-08	4.08E-08	0.00E+00	0.00E+00	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	4.08E-08	0.00E+00	0.00E+00	6.29E-08	3.33E-09	7.10E-09	0.00E+00	0.00E+00	1.04E-08
765	500285.5	3732962	2.17E-08	4.00E-08	0.00E+00	0.00E+00	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	4.00E-08	0.00E+00	0.00E+00	6.17E-08	3.26E-09	6.96E-09	0.00E+00	0.00E+00	1.02E-08
766	500292.8	3732969	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	3.19E-09	6.81E-09	0.00E+00	0.00E+00	1.00E-08
767	500300.1	3732975	2.07E-08	3.82E-08	0.00E+00	0.00E+00	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.82E-08	0.00E+00	0.00E+00	5.89E-08	3.12E-09	6.65E-09	0.00E+00	0.00E+00	9.76E-09
768	500307.5	3732982	2.02E-08	3.72E-08	0.00E+00	0.00E+00	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.72E-08	0.00E+00	0.00E+00	5.73E-08	3.04E-09	6.47E-09	0.00E+00	0.00E+00	9.51E-09
769	500314.8	3732988	1.96E-08	3.61E-08	0.00E+00	0.00E+00	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.61E-08	0.00E+00	0.00E+00	5.57E-08	2.95E-09	6.30E-09	0.00E+00	0.00E+00	9.25E-09
770	500322.1	3732995	1.90E-08	3.51E-08	0.00E+00	0.00E+00	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	3.51E-08	0.00E+00	0.00E+00	5.41E-08	2.87E-09	6.11E-09	0.00E+00	0.00E+00	8.98E-09
771	500329.4	3733001	1.85E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	2.78E-09	5.93E-09	0.00E+00	0.00E+00	8.70E-09
772	500336.8	3733008	1.79E-08	3.29E-08	0.00E+00	0.00E+00	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.29E-08	0.00E+00	0.00E+00	5.08E-08	2.69E-09	5.74E-09	0.00E+00	0.00E+00	8.43E-09
773	500345.8	3733024	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	2.59E-09	5.52E-09	0.00E+00	0.00E+00	8.11E-09
774	500347.6	3733034	1.71E-08	3.15E-08	0.00E+00	0.00E+00	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.15E-08	0.00E+00	0.00E+00	4.86E-08	2.57E-09	5.49E-09	0.00E+00	0.00E+00	8.06E-09
775	500349.3	3733043	1.70E-08	3.13E-08	0.00E+00	0.00E+00	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.13E-08	0.00E+00	0.00E+00	4.83E-08	2.56E-09	5.45E-09	0.00E+00	0.00E+00	8.01E-09
776	500351.1	3733053	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.79E-08	2.53E-09	5.41E-09	0.00E+00	0.00E+00	7.94E-09

777	500352.8	3733063	1.67E-08	3.08E-08	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.08E-08	0.00E+00	0.00E+00	4.74E-08	2.51E-09	5.36E-09	0.00E+00	0.00E+00	7.87E-09
778	500354.5	3733072	1.65E-08	3.04E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.04E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.79E-09
779	500356.3	3733082	1.63E-08	3.01E-08	0.00E+00	0.00E+00	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.01E-08	0.00E+00	0.00E+00	4.65E-08	2.46E-09	5.25E-09	0.00E+00	0.00E+00	7.71E-09
780	500358	3733092	1.61E-08	2.98E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.98E-08	0.00E+00	0.00E+00	4.59E-08	2.43E-09	5.18E-09	0.00E+00	0.00E+00	7.62E-09
781	500359.8	3733101	1.59E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	2.40E-09	5.12E-09	0.00E+00	0.00E+00	7.52E-09
782	500256.2	3732936	2.32E-08	4.27E-08	0.00E+00	0.00E+00	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	4.27E-08	0.00E+00	0.00E+00	6.59E-08	3.49E-09	7.44E-09	0.00E+00	0.00E+00	1.09E-08
783	500247.1	3732933	2.37E-08	4.37E-08	0.00E+00	0.00E+00	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	4.37E-08	0.00E+00	0.00E+00	6.75E-08	3.57E-09	7.62E-09	0.00E+00	0.00E+00	1.12E-08
784	500237.9	3732929	2.43E-08	4.47E-08	0.00E+00	0.00E+00	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-08	4.47E-08	0.00E+00	0.00E+00	6.90E-08	3.65E-09	7.79E-09	0.00E+00	0.00E+00	1.14E-08
785	500228.8	3732925	2.47E-08	4.56E-08	0.00E+00	0.00E+00	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-08	4.56E-08	0.00E+00	0.00E+00	7.03E-08	3.73E-09	7.95E-09	0.00E+00	0.00E+00	1.17E-08
786	500219.7	3732921	2.52E-08	4.64E-08	0.00E+00	0.00E+00	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-08	4.64E-08	0.00E+00	0.00E+00	7.16E-08	3.79E-09	8.09E-09	0.00E+00	0.00E+00	1.19E-08
787	500192.3	3732910	2.62E-08	4.82E-08	0.00E+00	0.00E+00	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.82E-08	0.00E+00	0.00E+00	7.44E-08	3.94E-09	8.41E-09	0.00E+00	0.00E+00	1.23E-08
788	500183.2	3732906	2.64E-08	4.87E-08	0.00E+00	0.00E+00	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.87E-08	0.00E+00	0.00E+00	7.51E-08	3.97E-09	8.48E-09	0.00E+00	0.00E+00	1.25E-08
789	500174.1	3732902	2.66E-08	4.90E-08	0.00E+00	0.00E+00	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.90E-08	0.00E+00	0.00E+00	7.55E-08	4.00E-09	8.53E-09	0.00E+00	0.00E+00	1.25E-08
790	500164.9	3732898	2.67E-08	4.92E-08	0.00E+00	0.00E+00	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	4.92E-08	0.00E+00	0.00E+00	7.58E-08	4.02E-09	8.57E-09	0.00E+00	0.00E+00	1.26E-08
791	500155.8	3732895	2.67E-08	4.93E-08	0.00E+00	0.00E+00	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	4.93E-08	0.00E+00	0.00E+00	7.60E-08	4.02E-09	8.59E-09	0.00E+00	0.00E+00	1.26E-08
792	500146.7	3732891	2.67E-08	4.93E-08	0.00E+00	0.00E+00	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	4.93E-08	0.00E+00	0.00E+00	7.60E-08	4.03E-09	8.59E-09	0.00E+00	0.00E+00	1.26E-08
793	500137.5	3732887	2.67E-08	4.92E-08	0.00E+00	0.00E+00	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	4.92E-08	0.00E+00	0.00E+00	7.58E-08	4.02E-09	8.57E-09	0.00E+00	0.00E+00	1.26E-08
794	500128.4	3732883	2.66E-08	4.90E-08	0.00E+00	0.00E+00	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.90E-08	0.00E+00	0.00E+00	7.55E-08	4.00E-09	8.53E-09	0.00E+00	0.00E+00	1.25E-08
795	500119.3	3732880	2.64E-08	4.87E-08	0.00E+00	0.00E+00	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.87E-08	0.00E+00	0.00E+00	7.51E-08	3.97E-09	8.48E-09	0.00E+00	0.00E+00	1.25E-08
796	500110.2	3732876	2.62E-08	4.83E-08	0.00E+00	0.00E+00	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.83E-08	0.00E+00	0.00E+00	7.44E-08	3.94E-09	8.41E-09	0.00E+00	0.00E+00	1.24E-08
797	500101	3732872	2.59E-08	4.78E-08	0.00E+00	0.00E+00	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	4.78E-08	0.00E+00	0.00E+00	7.37E-08	3.90E-09	8.32E-09	0.00E+00	0.00E+00	1.22E-08
798	500091.9	3732868	2.56E-08	4.72E-08	0.00E+00	0.00E+00	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	4.72E-08	0.00E+00	0.00E+00	7.28E-08	3.86E-09	8.22E-09	0.00E+00	0.00E+00	1.21E-08
799	500082.8	3732864	2.52E-08	4.65E-08	0.00E+00	0.00E+00	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-08	4.65E-08	0.00E+00	0.00E+00	7.18E-08	3.80E-09	8.11E-09	0.00E+00	0.00E+00	1.19E-08
800	500073.7	3732861	2.48E-08	4.58E-08	0.00E+00	0.00E+00	7.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	4.58E-08	0.00E+00	0.00E+00	7.06E-08	3.74E-09	7.98E-09	0.00E+00	0.00E+00	1.17E-08
801	500064.5	3732857	2.44E-08	4.50E-08	0.00E+00	0.00E+00	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	4.50E-08	0.00E+00	0.00E+00	6.94E-08	3.67E-09	7.83E-09	0.00E+00	0.00E+00	1.15E-08
802	500055.4	3732853	2.39E-08	4.41E-08	0.00E+00	0.00E+00	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	4.41E-08	0.00E+00	0.00E+00	6.80E-08	3.60E-09	7.68E-09	0.00E+00	0.00E+00	1.13E-08
803	500046.3	3732849	2.34E-08	4.31E-08	0.00E+00	0.00E+00	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	4.31E-08	0.00E+00	0.00E+00	6.64E-08	3.52E-09	7.50E-09	0.00E+00	0.00E+00	1.10E-08
804	500037.2	3732845	2.28E-08	4.20E-08	0.00E+00	0.00E+00	6.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	4.20E-08	0.00E+00	0.00E+00	6.48E-08	3.43E-09	7.32E-09	0.00E+00	0.00E+00	1.08E-08
805	500028	3732842	2.22E-08	4.09E-08	0.00E+00	0.00E+00	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	4.09E-08	0.00E+00	0.00E+00	6.31E-08	3.34E-09	7.12E-09	0.00E+00	0.00E+00	1.05E-08
806	500018.9	3732838	2.15E-08	3.97E-08	0.00E+00	0.00E+00	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.97E-08	0.00E+00	0.00E+00	6.12E-08	3.24E-09	6.92E-09	0.00E+00	0.00E+00	1.02E-08
807	500009.8	3732834	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.93E-08	3.14E-09	6.70E-09	0.00E+00	0.00E+00	9.84E-09
808	500000.7	3732830	2.02E-08	3.72E-08	0.00E+00	0.00E+00	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.72E-08	0.00E+00	0.00E+00	5.73E-08	3.04E-09	6.48E-09	0.00E+00	0.00E+00	9.51E-09
809	499991.5	3732826	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.53E-08	2.93E-09	6.24E-09	0.00E+00	0.00E+00	9.17E-09
810	499982.4	3732823	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	2.82E-09	6.01E-09	0.00E+00	0.00E+00	8.82E-09
811	499973.3	3732819	1.79E-08	3.31E-08	0.00E+00	0.00E+00	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.31E-08	0.00E+00	0.00E+00	5.10E-08	2.70E-09	5.76E-09	0.00E+00	0.00E+00	8.47E-09
812	499964.1	3732815	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	2.59E-09	5.52E-09	0.00E+00	0.00E+00	8.11E-09
813	499955	3732811	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	2.47E-09	5.28E-09	0.00E+00	0.00E+00	7.75E-09
814	499945.9	3732808	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.04E-09	0.00E+00	0.00E+00	7.40E-09
815	499936.8	3732804	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.25E-08	2.25E-09	4.80E-09	0.00E+00	0.00E+00	7.05E-09
816	499927.6	3732800	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	2.14E-09	4.56E-09	0.00E+00	0.00E+00	6.71E-09
817	499918.5	3732796	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	2.03E-09	4.34E-09	0.00E+00	0.00E+00	6.37E-09
818	500270.8	3732924	2.13E-08	3.93E-08	0.00E+00	0.00E+00	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.93E-08	0.00E+00	0.00E+00	6.07E-08	3.21E-09	6.86E-09	0.00E+00	0.00E+00	1.01E-08
819	500277.8	3732930	2.11E-08	3.88E-08	0.00E+00	0.00E+00	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.88E-08	0.00E+00	0.00E+00	5.99E-08	3.17E-09	6.77E-09	0.00E+00	0.00E+00	9.94E-09
820	500284.8	3732937	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.90E-08	3.13E-09	6.67E-09	0.00E+00	0.00E+00	9.79E-09
821	500312.7	3732961	1.92E-08	3.54E-08	0.00E+00	0.00E+00	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	3.54E-08	0.00E+00	0.00E+00	5.45E-08	2.89E-09	6.16E-09	0.00E+00	0.00E+00	9.05E-09
822	500319.7	3732968	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	2.82E-09	6.01E-09	0.00E+00	0.00E+00	8.83E-09
823	500326.6	3732974	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.19E-08	2.75E-09	5.86E-09	0.00E+00	0.00E+00	8.61E-09
824	500333.6	3732980	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.05E-08	2.68E-09	5.71E-09	0.00E+00	0.00E+00	8.39E-09
825	500340.6	3732986	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	2.60E-09	5.55E-09	0.00E+00	0.00E+00	8.15E-09
826	500347.6	3732992	1.68E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	2.53E-09	5.39E-09	0.00E+00	0.00E+00	7.92E-09
827	500354.6	3732999	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	2.45E-09	5.23E-09	0.00E+00	0.00E+00	7.68E-09
828	500363.2	3733014	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.04E-09	0.00E+00	0.00E+00	7.41E-09
829	500364.8	3733023	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	2.35E-09	5.01E-09	0.00E+00	0.00E+00	7.36E-09
830	500366.5	3733032	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.40E-08	2.33E-09	4.97E-09	0.00E+00	0.00E+00	7.31E-09
831	500368.2	3733041	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	2.31E-09	4.94E-09	0.00E+00	0.00E+00	7.25E-09
832	500369.8	3733051	1.52E-08	2.81E-08	0.00E+00	0.00E+00	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.81E-08	0.00E+00	0.00E+00	4.33E-08	2.29E-09	4.89E-09	0.00E+00	0.00E+00	7.19E-09
833	500371.5	3733060	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	2.27E-09	4.85E-09	0.00E+00	0.00E+00	7.12E-09
834	500373.1	3733069	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.24E-08	2.25E-09	4.79E-09	0.00E+00	0.00E+00	7.04E-09
835	500374.8	3733078	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	2.22E-09	4.74E-09	0.00E+00	0.00E+00	6.96E-09
836	500376.5	3733087	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.68E-09	0.00E+00	0.00E+00	6.88E-09
837	500378.1	3733097	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.09E-08	2.17E-09	4.62E-09	0.00E+00	0.00E+00	6.79E-09
838	500379.8	3733106	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	2.14E-09	4.56E-09	0.00E+00	0.00E+00	6.70E-09
839	500263.9	3732918	2.16E-08	3.98E-08	0.00E+00	0.00E+00	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.98E-08	0.00E+00	0.00E+00	6.14E-08	3.25E-09	6.93E-09	0.00E+00	0.00E+00	1.02E-08
840	500254.7	3732914	2.21E-08	4.07E-08	0.00E+00	0.00E+00	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	4.07E-08	0.00E+00	0.00E+00	6.27E-08	3.32E-09	7.09E-09	0.00E+00	0.00E+00	1.04E-08
841	500245.6	3732910	2.25E-08	4.15E-08	0.00E+00	0.00E+00	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	4.15E-08	0.00E+00	0.00E+00	6.40E-08	3.39E-09	7.23E-09	0.00E+00	0.00E+00	1.06E-08
842	500236.5	3732907	2.29E-08	4.23E-08	0.00E+00	0.00E+00	6.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-08	4.23E-08	0.00E+00	0.00E+00	6.52E-08	3.45E-09	7.37E-09	0.00E+00	0.00E+00	1.08E-08
843	500227.4	3732903	2.33E-08	4.30E-08	0.00E+00	0.00E+00	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	4.30E-08	0.00E+00	0.00E+00	6.63E-08	3.51E-09	7.48E-09	0.00E+00	0.00E+00	1.10E-08
844	500190.8	3732888	2.43E-08	4.49E-08	0.00E+00	0.00E+00	6.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-08	4.49E-08	0.00E+00	0.00E+00	6.92E-08	3.66E-09	7.82E-09	0.00E+00	0.00E+00	1.15E-08
845	500181.7	3732884	2.45E-08	4.51E-08	0.00E+00	0.00E+00	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	4.51E-08	0.00E+00	0.00E+00	6.96E-08	3.69E-09	7.86E-09	0.00E+00	0.00E+00	1.15E-08
846	500172.6	3732880	2.46E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	3.70E-09	7.89E-09	0.00E+00	0.00E+00	1.16E-08
847	500163.5	3732876	2.46E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	3.71E-09	7.91E-09	0.00E+00	0.00E+00	1.16E-08
848	500154.3	3732872	2.46E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	3.70E-09	7.90E-09	0.00E+00	0.00E+00	1.16E-08
849	500145.2	3732869	2.45E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	3.70E-09	7.88E-09	0.00E+00	0.00E+00	1.16E-08
850	500136.1	3732865	2.44E-08	4.51E-08	0.00E+00	0.00E+00	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	4.51E-08	0.00E+00	0.00E+00	6.95E-08	3.68E-09	7.85E-09	0.00E+00	0.00E+00	1.15E-08
851	500127	3732861	2.43E-08	4.48E-08	0.00E+00	0.00E+00	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-08	4.48E-08	0.00E+00	0.00E+00	6.91E-08	3.66E-09	7.80E-09	0.00E+00	0.00E+00	1.15E-08
852	500117.8	3732857	2.41E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	3.63E-09	7.74E-09	0.00E+00	0.00E+00	1.14E-08
853	500108.7	3732853	2.38E-08	4.40E-08	0.00E+00	0.00E+00	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-08	4.40E-08	0.00E+00	0.00E+00	6.78E-08	3.59E-09	7.66E-09	0.00E+00	0.00E+00	1.12E-08
854	500099.6	3732850	2.36E-08	4.34E-08	0.00E+00	0.00E+00	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	4.34E-08	0.00E+00	0.00E+00	6.70E-08	3.55E-09	7.57E-09	0.00E+00	0.00E+00	1.11E-08
855	500090.5	3732846	2.32E-08	4.28E-08	0.00E+00	0.00E+00	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	4.28E-08	0.00E+00	0.00E+00	6.61E-08	3.50E-09	7.46E-09	0.00E+00	0.00E+00	1.10E-08
856	500081.3	3732842	2.29E-08	4.21E-08	0.00E+00	0.00E+00	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-08	4.21E-08	0.00E+00	0.00E+00	6.50E-08	3.44E-09	7.34E-09	0.00E+00	0.00E+00	1.08E-08
857	500072.2	3732838	2.25E-08	4.14E-08	0.00E+00	0.00E+00	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	4.14E-08	0.00E+00	0.00E+00	6.39E-08	3.38E-09	7.21E-09	0.00E+00	0.00E+00	1.06E-08
858	500063.1	3732835	2.20E-08	4.06E-08	0.00E+00	0.00E+00	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	4.06E-08	0.00E+00	0.00E+00	6.26E-08	3.31E-09	7.07E-09	0.00E+00	0.00E+00	1.04E-08
859	500054	3732831	2.15E-08	3.97E-08	0.00E+00	0.00E+00	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.97E-08	0.00E+00	0.00E+00	6.12E-08	3.24E-09	6.92E-09	0.00E+00	0.00E+00	1.02E-08
860	500044.8	3732827	2.10E-08	3.87E-08	0.00E+00	0.00E+00	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.87E-08	0.00E+00	0.00E+00	5.98E-08	3.16E-09	6.75E-09	0.00E+00	0.00E+00	9.91E-09
861	500035.7	3732823	2.05E-08	3.77E-08	0.00E+00	0.00E+00	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.77E-08	0.00E+00	0.00E+00	5.82E-08	3.08E-09	6.57E-09	0.00E+00	0.00E+00	9.66E-09
862	500026.6	3732819	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.66E-08	3.00E-09	6.39E-09	0.00E+00	0.00E+00	9.39E-09
863	500017.5	3732816	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.49E-08	2.91E-09	6.20E-09	0.00E+00	0.00E+00	9.10E-09
864	500008.3	3732812	1.87E-08	3.44E-08	0.00E+00	0.00E+00	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.44E-08	0.00E+00	0.00E+00	5.31E-08	2.81E-09	6.00E-09	0.00E+00	0.00E+00	8.81E-09
865	499999.2	3732808	1.80E-08	3.33E-08	0.00E+00	0.00E+00	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.33E-08	0.00E+00	0.00E+00	5.13E-08	2.72E-09	5.79E-09	0.00E+00	0.00E+00	8.51E-09
866	499990.1	3732804	1.74E-08	3.21E-08	0.00E+00	0.00E+00	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	3.21E-08	0.00E+00	0.00E+00	4.94E-08	2.62E-09	5.58E-09	0.00E+00	0.00E+00	8.20E-09
867	499980.9	3732800	1.67E-08	3.08E-08	0.00E+00	0.00E+00	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.08E-08	0.00E+00	0.00E+00	4.76E-08	2.52E-09	5.37E-09	0.00E+00	0.00E+00	7.89E-09
868	499971.8	3732797	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	2.42E-09	5.16E-09	0.00E+00	0.00E+00	7.58E-09
869	499962.7	3732793	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	2.32E-09	4.94E-09	0.00E+00	0.00E+00	7.26E-09
870	499953.6	3732789	1.47E-08	2.72E-08	0.00E+00	0.00E+00	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.72E-08	0.00E+00	0.00E+00	4.19E-08	2.22E-09	4.73E-09	0.00E+00	0.00E+00	6.95E-09
871	499944.4	3732785	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.00E-08	2.12E-09	4.52E-09	0.00E+00	0.00E+00	6.64E-09
872	499935.3	3732781	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
873	499926.2	3732778	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	1.93E-09	4.12E-09	0.00E+00	0.00E+00	6.05E-09
874	500282.4	3732896	1.94E-08	3.57E-08	0.00E+00	0.00E+00	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.57E-08	0.00E+00	0.00E+00	5.50E-08	2.91E-09	6.21E-09	0.00E+00	0.00E+00	9.13E-09
875	500289.4	3732903	1.91E-08	3.53E-08	0.00E+00	0.00E+00	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	3.53E-08	0.00E+00	0.00E+00	5.44E-08	2.88E-09	6.15E-09	0.00E+00	0.00E+00	9.03E-09
876	500296.4	3732909	1.89E-08	3.48E-08	0.00E+00	0.00E+00	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	3.48E-08	0.00E+00	0.00E+00	5.37E-08	2.84E-09	6.06E-09	0.00E+00	0.00E+00	8.91E-09
877	500303.4	3732915	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.29E-08	2.80E-09	5.97E-09	0.00E+00	0.00E+00	8.78E-09
878	500310.5	3732921	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	2.75E-09	5.88E-09	0.00E+00	0.00E+00	8.63E-09
879	500317.5	3732928	1.80E-08	3.31E-08	0.00E+00	0.00E+00	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.31E-08	0.00E+00	0.00E+00	5.11E-08	2.70E-09	5.77E-09	0.00E+00	0.00E+00	8.47E-09
880	500324.5	3732934	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	2.65E-09	5.66E-09	0.00E+00	0.00E+00	8.31E-09
881	500331.5	3732940	1.72E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	2.60E-09	5.54E-09	0.00E+00	0.00E+00	8.13E-09
882	500352.6	3732959	1.60E-08	2.96E-08	0.00E+00	0.00E+00	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.96E-08	0.00E+00	0.00E+00	4.56E-08	2.42E-09	5.15E-09	0.00E+00	0.00E+00	7.57E-09
883	500359.6	3732965	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	2.35E-09	5.02E-09	0.00E+00	0.00E+00	7.37E-09
884	500366.6	3732971	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.32E-08	2.29E-09	4.88E-09	0.00E+00	0.00E+00	7.17E-09
885	500373.6	3732978	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	2.22E-09	4.74E-09	0.00E+00	0.00E+00	6.96E-09
886	500380.7	3732984	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.76E-09
887	500389.4	3732999	1.38E-08	2.55E-08	0.00E+00	0.00E+00	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.55E-08	0.00E+00	0.00E+00	3.93E-08	2.08E-09	4.43E-09	0.00E+00	0.00E+00	6.51E-09
888	500391	3733009	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.47E-09
889	500392.7	3733018	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.37E-09	0.00E+00	0.00E+00	6.41E-09
890	500394.4	3733027	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.36E-09
891	500396	3733036	1.34E-08	2.46E-08	0.00E+00	0.00E+00	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.46E-08	0.00E+00	0.00E+00	3.80E-08	2.01E-09	4.29E-09	0.00E+00	0.00E+00	6.30E-09
892	500397.7	3733045	1.32E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	1.99E-09	4.24E-09	0.00E+00	0.00E+00	6.23E-09
893	500399.4	3733055	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.17E-09
894	500401.1	3733064	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	1.95E-09	4.15E-09	0.00E+00	0.00E+00	6.09E-09
895	500402.7	3733073	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.10E-09	0.00E+00	0.00E+00	6.02E-09
896	500404.4	3733082	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.94E-09
897	500406.1	3733092	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
898	500407.7	3733101	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.78E-09
899	500275.4	3732890	1.95E-08	3.60E-08	0.00E+00	0.00E+00	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.60E-08	0.00E+00	0.00E+00	5.56E-08	2.94E-09	6.27E-09	0.00E+00	0.00E+00	9.22E-09
900	500266.2	3732886	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.67E-08	3.00E-09	6.40E-09	0.00E+00	0.00E+00	9.40E-09
901	500257.1	3732883	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	3.05E-09	6.52E-09	0.00E+00	0.00E+00	9.57E-09
902	500248	3732879	2.06E-08	3.80E-08	0.00E+00	0.00E+00	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.80E-08	0.00E+00	0.00E+00	5.86E-08	3.10E-09	6.62E-09	0.00E+00	0.00E+00	9.73E-09
903	500238.9	3732875	2.09E-08	3.86E-08	0.00E+00	0.00E+00	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.86E-08	0.00E+00	0.00E+00	5.95E-08	3.15E-09	6.72E-09	0.00E+00	0.00E+00	9.87E-09
904	500229.7	3732871	2.12E-08	3.90E-08	0.00E+00	0.00E+00	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.90E-08	0.00E+00	0.00E+00	6.02E-08	3.19E-09	6.80E-09	0.00E+00	0.00E+00	9.99E-09
905	500220.6	3732867	2.14E-08	3.94E-08	0.00E+00	0.00E+00	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.94E-08	0.00E+00	0.00E+00	6.08E-08	3.22E-09	6.87E-09	0.00E+00	0.00E+00	1.01E-08
906	500193.2	3732856	2.18E-08	4.03E-08	0.00E+00	0.00E+00	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	4.03E-08	0.00E+00	0.00E+00	6.21E-08	3.29E-09	7.01E-09	0.00E+00	0.00E+00	1.03E-08

907	500184.1	3732852	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.23E-08	3.30E-09	7.04E-09	0.00E+00	0.00E+00	1.03E-08
908	500175	3732849	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.24E-08	3.30E-09	7.04E-09	0.00E+00	0.00E+00	1.03E-08
909	500165.9	3732845	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	4.04E-08	0.00E+00	0.00E+00	6.23E-08	3.30E-09	7.04E-09	0.00E+00	0.00E+00	1.03E-08
910	500156.7	3732841	2.19E-08	4.03E-08	0.00E+00	0.00E+00	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	4.03E-08	0.00E+00	0.00E+00	6.21E-08	3.29E-09	7.02E-09	0.00E+00	0.00E+00	1.03E-08
911	500147.6	3732837	2.18E-08	4.01E-08	0.00E+00	0.00E+00	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	4.01E-08	0.00E+00	0.00E+00	6.18E-08	3.28E-09	6.99E-09	0.00E+00	0.00E+00	1.03E-08
912	500138.5	3732833	2.16E-08	3.98E-08	0.00E+00	0.00E+00	6.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.98E-08	0.00E+00	0.00E+00	6.15E-08	3.25E-09	6.94E-09	0.00E+00	0.00E+00	1.02E-08
913	500129.3	3732830	2.14E-08	3.95E-08	0.00E+00	0.00E+00	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.95E-08	0.00E+00	0.00E+00	6.10E-08	3.23E-09	6.89E-09	0.00E+00	0.00E+00	1.01E-08
914	500120.2	3732826	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	3.20E-09	6.82E-09	0.00E+00	0.00E+00	1.00E-08
915	500111.1	3732822	2.10E-08	3.87E-08	0.00E+00	0.00E+00	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.87E-08	0.00E+00	0.00E+00	5.96E-08	3.16E-09	6.74E-09	0.00E+00	0.00E+00	9.89E-09
916	500102	3732818	2.07E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	3.12E-09	6.64E-09	0.00E+00	0.00E+00	9.76E-09
917	500092.8	3732814	2.04E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	3.07E-09	6.54E-09	0.00E+00	0.00E+00	9.61E-09
918	500083.7	3732811	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	3.01E-09	6.43E-09	0.00E+00	0.00E+00	9.44E-09
919	500074.6	3732807	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	2.96E-09	6.31E-09	0.00E+00	0.00E+00	9.26E-09
920	500065.5	3732803	1.92E-08	3.54E-08	0.00E+00	0.00E+00	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	3.54E-08	0.00E+00	0.00E+00	5.47E-08	2.89E-09	6.17E-09	0.00E+00	0.00E+00	9.07E-09
921	500056.3	3732799	1.88E-08	3.46E-08	0.00E+00	0.00E+00	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.46E-08	0.00E+00	0.00E+00	5.34E-08	2.83E-09	6.03E-09	0.00E+00	0.00E+00	8.86E-09
922	500047.2	3732795	1.83E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	2.76E-09	5.88E-09	0.00E+00	0.00E+00	8.64E-09
923	500038.1	3732792	1.78E-08	3.29E-08	0.00E+00	0.00E+00	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.29E-08	0.00E+00	0.00E+00	5.07E-08	2.69E-09	5.73E-09	0.00E+00	0.00E+00	8.41E-09
924	500029	3732788	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.93E-08	2.61E-09	5.57E-09	0.00E+00	0.00E+00	8.18E-09
925	500019.8	3732784	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	2.53E-09	5.40E-09	0.00E+00	0.00E+00	7.93E-09
926	500010.7	3732780	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	2.45E-09	5.23E-09	0.00E+00	0.00E+00	7.68E-09
927	500001.6	3732776	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	2.37E-09	5.05E-09	0.00E+00	0.00E+00	7.42E-09
928	499992.5	3732773	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.31E-08	2.28E-09	4.87E-09	0.00E+00	0.00E+00	7.16E-09
929	499983.3	3732769	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.16E-08	2.20E-09	4.69E-09	0.00E+00	0.00E+00	6.89E-09
930	499974.2	3732765	1.41E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	2.12E-09	4.52E-09	0.00E+00	0.00E+00	6.63E-09
931	499965.1	3732761	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	2.03E-09	4.34E-09	0.00E+00	0.00E+00	6.37E-09
932	499956	3732758	1.30E-08	2.39E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.39E-08	0.00E+00	0.00E+00	3.68E-08	1.95E-09	4.16E-09	0.00E+00	0.00E+00	6.11E-09
933	499946.8	3732754	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
934	499937.7	3732750	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	1.79E-09	3.82E-09	0.00E+00	0.00E+00	5.61E-09
935	500293.9	3732869	1.77E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	2.66E-09	5.67E-09	0.00E+00	0.00E+00	8.33E-09
936	500301	3732875	1.75E-08	3.22E-08	0.00E+00	0.00E+00	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	3.22E-08	0.00E+00	0.00E+00	4.97E-08	2.63E-09	5.61E-09	0.00E+00	0.00E+00	8.24E-09
937	500308	3732881	1.73E-08	3.18E-08	0.00E+00	0.00E+00	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.18E-08	0.00E+00	0.00E+00	4.91E-08	2.60E-09	5.55E-09	0.00E+00	0.00E+00	8.15E-09
938	500315.1	3732888	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.85E-08	2.57E-09	5.48E-09	0.00E+00	0.00E+00	8.04E-09
939	500322.1	3732894	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	2.53E-09	5.40E-09	0.00E+00	0.00E+00	7.93E-09
940	500329.2	3732900	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.80E-09
941	500336.3	3732906	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.62E-08	2.45E-09	5.22E-09	0.00E+00	0.00E+00	7.66E-09
942	500343.3	3732913	1.59E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	2.40E-09	5.12E-09	0.00E+00	0.00E+00	7.52E-09
943	500350.4	3732919	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	2.35E-09	5.02E-09	0.00E+00	0.00E+00	7.37E-09
944	500357.4	3732925	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.35E-08	2.30E-09	4.91E-09	0.00E+00	0.00E+00	7.21E-09
945	500364.5	3732931	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.25E-08	2.25E-09	4.80E-09	0.00E+00	0.00E+00	7.05E-09
946	500371.5	3732938	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.14E-08	2.19E-09	4.68E-09	0.00E+00	0.00E+00	6.88E-09
947	500399.7	3732963	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.17E-09
948	500406.8	3732969	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.08E-09	0.00E+00	0.00E+00	6.00E-09
949	500415.5	3732985	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.78E-09
950	500417.2	3732994	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.73E-09
951	500418.9	3733003	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.87E-09	0.00E+00	0.00E+00	5.68E-09
952	500420.6	3733012	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	1.80E-09	3.83E-09	0.00E+00	0.00E+00	5.63E-09
953	500422.2	3733022	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	1.78E-09	3.79E-09	0.00E+00	0.00E+00	5.57E-09
954	500423.9	3733031	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.51E-09
955	500425.6	3733040	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
956	500427.3	3733050	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.67E-09	0.00E+00	0.00E+00	5.38E-09
957	500429	3733059	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	1.70E-09	3.62E-09	0.00E+00	0.00E+00	5.32E-09
958	500430.6	3733068	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
959	500432.3	3733077	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.52E-09	0.00E+00	0.00E+00	5.17E-09
960	500434	3733087	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.10E-09
961	500286.9	3732863	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	2.68E-09	5.72E-09	0.00E+00	0.00E+00	8.40E-09
962	500277.8	3732859	1.81E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	2.73E-09	5.82E-09	0.00E+00	0.00E+00	8.55E-09
963	500268.6	3732855	1.84E-08	3.39E-08	0.00E+00	0.00E+00	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	3.39E-08	0.00E+00	0.00E+00	5.23E-08	2.77E-09	5.91E-09	0.00E+00	0.00E+00	8.68E-09
964	500259.5	3732851	1.87E-08	3.44E-08	0.00E+00	0.00E+00	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.44E-08	0.00E+00	0.00E+00	5.31E-08	2.81E-09	6.00E-09	0.00E+00	0.00E+00	8.81E-09
965	500250.4	3732847	1.89E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	2.85E-09	6.07E-09	0.00E+00	0.00E+00	8.92E-09
966	500241.2	3732844	1.91E-08	3.52E-08	0.00E+00	0.00E+00	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	3.52E-08	0.00E+00	0.00E+00	5.44E-08	2.88E-09	6.14E-09	0.00E+00	0.00E+00	9.02E-09
967	500232.1	3732840	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.49E-08	2.91E-09	6.20E-09	0.00E+00	0.00E+00	9.10E-09
968	500223	3732836	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.53E-08	2.93E-09	6.25E-09	0.00E+00	0.00E+00	9.17E-09
969	500186.5	3732821	1.97E-08	3.63E-08	0.00E+00	0.00E+00	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.63E-08	0.00E+00	0.00E+00	5.60E-08	2.97E-09	6.33E-09	0.00E+00	0.00E+00	9.29E-09
970	500177.4	3732817	1.97E-08	3.63E-08	0.00E+00	0.00E+00	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.63E-08	0.00E+00	0.00E+00	5.59E-08	2.96E-09	6.32E-09	0.00E+00	0.00E+00	9.28E-09
971	500168.2	3732813	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	2.95E-09	6.30E-09	0.00E+00	0.00E+00	9.25E-09
972	500159.1	3732809	1.95E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	2.94E-09	6.27E-09	0.00E+00	0.00E+00	9.21E-09
973	500150	3732806	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.52E-08	2.92E-09	6.23E-09	0.00E+00	0.00E+00	9.15E-09
974	500140.9	3732802	1.92E-08	3.55E-08	0.00E+00	0.00E+00	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	3.55E-08	0.00E+00	0.00E+00	5.47E-08	2.90E-09	6.18E-09	0.00E+00	0.00E+00	9.08E-09
975	500131.7	3732798	1.91E-08	3.51E-08	0.00E+00	0.00E+00	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	3.51E-08	0.00E+00	0.00E+00	5.42E-08	2.87E-09	6.12E-09	0.00E+00	0.00E+00	8.99E-09
976	500122.6	3732794	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.36E-08	2.84E-09	6.05E-09	0.00E+00	0.00E+00	8.88E-09
977	500113.5	3732790	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.28E-08	2.80E-09	5.97E-09	0.00E+00	0.00E+00	8.77E-09
978	500104.4	3732787	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.21E-08	2.76E-09	5.88E-09	0.00E+00	0.00E+00	8.64E-09
979	500095.2	3732783	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	2.71E-09	5.78E-09	0.00E+00	0.00E+00	8.49E-09
980	500086.1	3732779	1.77E-08	3.26E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.26E-08	0.00E+00	0.00E+00	5.02E-08	2.66E-09	5.68E-09	0.00E+00	0.00E+00	8.34E-09
981	500077	3732775	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	2.61E-09	5.56E-09	0.00E+00	0.00E+00	8.17E-09
982	500067.8	3732772	1.69E-08	3.12E-08	0.00E+00	0.00E+00	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.12E-08	0.00E+00	0.00E+00	4.82E-08	2.55E-09	5.44E-09	0.00E+00	0.00E+00	7.99E-09
983	500058.7	3732768	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.81E-09
984	500049.6	3732764	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.59E-08	2.43E-09	5.18E-09	0.00E+00	0.00E+00	7.61E-09
985	500040.5	3732760	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.04E-09	0.00E+00	0.00E+00	7.41E-09
986	500031.3	3732756	1.53E-08	2.81E-08	0.00E+00	0.00E+00	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.81E-08	0.00E+00	0.00E+00	4.34E-08	2.30E-09	4.90E-09	0.00E+00	0.00E+00	7.20E-09
987	500022.2	3732753	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	2.23E-09	4.75E-09	0.00E+00	0.00E+00	6.98E-09
988	500013.1	3732749	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.76E-09
989	500004	3732745	1.39E-08	2.56E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.56E-08	0.00E+00	0.00E+00	3.94E-08	2.09E-09	4.46E-09	0.00E+00	0.00E+00	6.54E-09
990	499994.8	3732741	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.30E-09	0.00E+00	0.00E+00	6.32E-09
991	499985.7	3732737	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.68E-08	1.95E-09	4.15E-09	0.00E+00	0.00E+00	6.10E-09
992	499976.6	3732734	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	1.88E-09	4.00E-09	0.00E+00	0.00E+00	5.88E-09
993	499967.5	3732730	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	1.81E-09	3.85E-09	0.00E+00	0.00E+00	5.66E-09
994	499958.3	3732726	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.70E-09	0.00E+00	0.00E+00	5.44E-09
995	499949.2	3732722	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
996	500305.5	3732841	1.62E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	2.44E-09	5.20E-09	0.00E+00	0.00E+00	7.63E-09
997	500312.5	3732847	1.60E-08	2.96E-08	0.00E+00	0.00E+00	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.96E-08	0.00E+00	0.00E+00	4.56E-08	2.42E-09	5.15E-09	0.00E+00	0.00E+00	7.57E-09
998	500319.6	3732854	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	2.39E-09	5.10E-09	0.00E+00	0.00E+00	7.49E-09
999	500326.7	3732860	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.04E-09	0.00E+00	0.00E+00	7.41E-09
1000	500333.8	3732866	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	2.33E-09	4.98E-09	0.00E+00	0.00E+00	7.31E-09
1001	500340.9	3732873	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.34E-08	2.30E-09	4.91E-09	0.00E+00	0.00E+00	7.21E-09
1002	500348	3732879	1.50E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	2.26E-09	4.83E-09	0.00E+00	0.00E+00	7.10E-09
1003	500355	3732885	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.20E-08	2.23E-09	4.75E-09	0.00E+00	0.00E+00	6.98E-09
1004	500362.1	3732891	1.45E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	2.19E-09	4.66E-09	0.00E+00	0.00E+00	6.85E-09
1005	500369.2	3732898	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.72E-09
1006	500376.3	3732904	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	2.10E-09	4.48E-09	0.00E+00	0.00E+00	6.58E-09
1007	500383.4	3732910	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	2.05E-09	4.38E-09	0.00E+00	0.00E+00	6.43E-09
1008	500390.4	3732917	1.33E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	2.01E-09	4.28E-09	0.00E+00	0.00E+00	6.28E-09
1009	500397.5	3732923	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.70E-08	1.96E-09	4.18E-09	0.00E+00	0.00E+00	6.13E-09
1010	500404.6	3732929	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.60E-08	1.91E-09	4.07E-09	0.00E+00	0.00E+00	5.98E-09
1011	500411.7	3732935	1.23E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
1012	500418.8	3732942	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.67E-09
1013	500441.7	3732970	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.51E-09	0.00E+00	0.00E+00	5.16E-09
1014	500443.4	3732979	1.08E-08	2.00E-08	0.00E+00	0.00E+00	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.00E-08	0.00E+00	0.00E+00	3.08E-08	1.63E-09	3.48E-09	0.00E+00	0.00E+00	5.11E-09
1015	500445.1	3732989	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
1016	500446.7	3732998	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	1.60E-09	3.42E-09	0.00E+00	0.00E+00	5.02E-09
1017	500448.4	3733007	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	1.58E-09	3.38E-09	0.00E+00	0.00E+00	4.96E-09
1018	500450.1	3733017	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.91E-09
1019	500451.8	3733026	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.92E-08	1.55E-09	3.30E-09	0.00E+00	0.00E+00	4.85E-09
1020	500453.5	3733035	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
1021	500455.2	3733045	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.73E-09
1022	500456.9	3733054	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
1023	500458.5	3733063	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.60E-09
1024	500460.2	3733073	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.53E-09
1025	500461.9	3733082	9.47E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	1.43E-09	3.04E-09	0.00E+00	0.00E+00	4.47E-09
1026	500298.4	3732835	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	2.45E-09	5.23E-09	0.00E+00	0.00E+00	7.69E-09
1027	500289.3	3732831	1.66E-08	3.05E-08	0.00E+00	0.00E+00	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	3.05E-08	0.00E+00	0.00E+00	4.71E-08	2.49E-09	5.32E-09	0.00E+00	0.00E+00	7.81E-09
1028	500280.1	3732827	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	2.53E-09	5.40E-09	0.00E+00	0.00E+00	7.93E-09
1029	500271	3732823	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	2.56E-09	5.47E-09	0.00E+00	0.00E+00	8.03E-09
1030	500261.9	3732820	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	2.59E-09	5.53E-09	0.00E+00	0.00E+00	8.12E-09
1031	500252.8	3732816	1.74E-08	3.20E-08	0.00E+00	0.00E+00	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	3.20E-08	0.00E+00	0.00E+00	4.94E-08	2.62E-09	5.58E-09	0.00E+00	0.00E+00	8.20E-09
1032	500243.6	3732812	1.75E-08	3.23E-08	0.00E+00	0.00E+00	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	3.23E-08	0.00E+00	0.00E+00	4.98E-08	2.64E-09	5.63E-09	0.00E+00	0.00E+00	8.27E-09
1033	500234.5	3732808	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	2.66E-09	5.67E-09	0.00E+00	0.00E+00	8.32E-09
1034	500225.4	3732804	1.77E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	2.67E-09	5.69E-09	0.00E+00	0.00E+00	8.36E-09
1035	500188.9	3732789	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	2.68E-09	5.71E-09	0.00E+00	0.00E+00	8.39E-09
1036	500179.7	3732786	1.77E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	2.67E-09	5.70E-09	0.00E+00	0.00E+00	8.37E-09

1037	500170.6	3732782	1.77E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	2.66E-09	5.67E-09	0.00E+00	0.00E+00	8.33E-09
1038	500161.5	3732778	1.75E-08	3.23E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	3.23E-08	0.00E+00	0.00E+00	4.99E-08	2.64E-09	5.63E-09	0.00E+00	0.00E+00	8.27E-09
1039	500152.4	3732774	1.74E-08	3.21E-08	0.00E+00	0.00E+00	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	3.21E-08	0.00E+00	0.00E+00	4.95E-08	2.62E-09	5.59E-09	0.00E+00	0.00E+00	8.21E-09
1040	500143.2	3732770	1.72E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	2.59E-09	5.53E-09	0.00E+00	0.00E+00	8.13E-09
1041	500134.1	3732767	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	2.57E-09	5.47E-09	0.00E+00	0.00E+00	8.04E-09
1042	500125	3732763	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	2.53E-09	5.40E-09	0.00E+00	0.00E+00	7.93E-09
1043	500115.9	3732759	1.66E-08	3.06E-08	0.00E+00	0.00E+00	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	3.06E-08	0.00E+00	0.00E+00	4.71E-08	2.50E-09	5.32E-09	0.00E+00	0.00E+00	7.82E-09
1044	500106.7	3732755	1.63E-08	3.01E-08	0.00E+00	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.01E-08	0.00E+00	0.00E+00	4.64E-08	2.46E-09	5.24E-09	0.00E+00	0.00E+00	7.69E-09
1045	500097.6	3732751	1.60E-08	2.95E-08	0.00E+00	0.00E+00	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.95E-08	0.00E+00	0.00E+00	4.56E-08	2.41E-09	5.15E-09	0.00E+00	0.00E+00	7.56E-09
1046	500088.5	3732748	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	2.37E-09	5.05E-09	0.00E+00	0.00E+00	7.42E-09
1047	500079.4	3732744	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	2.32E-09	4.94E-09	0.00E+00	0.00E+00	7.26E-09
1048	500070.2	3732740	1.51E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	2.27E-09	4.83E-09	0.00E+00	0.00E+00	7.10E-09
1049	500061.1	3732736	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.93E-09
1050	500052	3732732	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.76E-09
1051	500042.9	3732729	1.40E-08	2.57E-08	0.00E+00	0.00E+00	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.57E-08	0.00E+00	0.00E+00	3.97E-08	2.10E-09	4.48E-09	0.00E+00	0.00E+00	6.58E-09
1052	500033.7	3732725	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	2.04E-09	4.36E-09	0.00E+00	0.00E+00	6.40E-09
1053	500024.6	3732721	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.74E-08	1.98E-09	4.23E-09	0.00E+00	0.00E+00	6.21E-09
1054	500015.5	3732717	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.10E-09	0.00E+00	0.00E+00	6.02E-09
1055	500006.3	3732713	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
1056	499997.2	3732710	1.20E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	1.80E-09	3.84E-09	0.00E+00	0.00E+00	5.64E-09
1057	499988.1	3732706	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
1058	499979	3732702	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.58E-09	0.00E+00	0.00E+00	5.26E-09
1059	499969.8	3732698	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
1060	499960.7	3732695	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	1.56E-09	3.33E-09	0.00E+00	0.00E+00	4.89E-09
1061	500317	3732813	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.75E-08	0.00E+00	0.00E+00	4.24E-08	2.24E-09	4.79E-09	0.00E+00	0.00E+00	7.03E-09
1062	500324.1	3732820	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	2.23E-09	4.75E-09	0.00E+00	0.00E+00	6.98E-09
1063	500331.2	3732826	1.47E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	2.21E-09	4.71E-09	0.00E+00	0.00E+00	6.92E-09
1064	500338.3	3732832	1.45E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	2.19E-09	4.66E-09	0.00E+00	0.00E+00	6.85E-09
1065	500345.4	3732839	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
1066	500352.5	3732845	1.42E-08	2.61E-08	0.00E+00	0.00E+00	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.61E-08	0.00E+00	0.00E+00	4.03E-08	2.13E-09	4.55E-09	0.00E+00	0.00E+00	6.68E-09
1067	500359.6	3732851	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	2.10E-09	4.49E-09	0.00E+00	0.00E+00	6.59E-09
1068	500366.7	3732858	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.91E-08	2.07E-09	4.42E-09	0.00E+00	0.00E+00	6.49E-09
1069	500373.8	3732864	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.85E-08	2.04E-09	4.35E-09	0.00E+00	0.00E+00	6.38E-09
1070	500380.9	3732870	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.78E-08	2.00E-09	4.27E-09	0.00E+00	0.00E+00	6.27E-09
1071	500388	3732877	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.71E-08	1.96E-09	4.19E-09	0.00E+00	0.00E+00	6.15E-09
1072	500395.1	3732883	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.11E-09	0.00E+00	0.00E+00	6.03E-09
1073	500402.2	3732889	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.88E-09	4.02E-09	0.00E+00	0.00E+00	5.90E-09
1074	500409.3	3732895	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.77E-09
1075	500416.4	3732902	1.20E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	1.80E-09	3.84E-09	0.00E+00	0.00E+00	5.64E-09
1076	500423.5	3732908	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.50E-09
1077	500430.6	3732914	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.71E-09	3.65E-09	0.00E+00	0.00E+00	5.37E-09
1078	500437.8	3732921	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
1079	500444.9	3732927	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
1080	500452	3732933	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
1081	500459.1	3732940	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	1.54E-09	3.28E-09	0.00E+00	0.00E+00	4.81E-09
1082	500469.5	3732965	9.73E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.59E-09
1083	500471.2	3732974	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
1084	500472.9	3732983	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.44E-09	3.06E-09	0.00E+00	0.00E+00	4.50E-09
1085	500474.6	3732993	9.44E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.45E-09
1086	500476.3	3733002	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.41E-09	3.00E-09	0.00E+00	0.00E+00	4.40E-09
1087	500478	3733011	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
1088	500479.7	3733021	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.30E-09
1089	500481.4	3733030	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.35E-09	2.89E-09	0.00E+00	0.00E+00	4.24E-09
1090	500483.1	3733039	8.87E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	1.33E-09	2.85E-09	0.00E+00	0.00E+00	4.18E-09
1091	500484.8	3733049	8.74E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.12E-09
1092	500486.4	3733058	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.06E-09
1093	500488.1	3733068	8.49E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.00E-09
1094	500489.8	3733077	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
1095	500309.9	3732807	1.50E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	2.26E-09	4.82E-09	0.00E+00	0.00E+00	7.07E-09
1096	500300.8	3732803	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.33E-08	2.29E-09	4.89E-09	0.00E+00	0.00E+00	7.18E-09
1097	500291.6	3732800	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	2.32E-09	4.95E-09	0.00E+00	0.00E+00	7.27E-09
1098	500282.5	3732796	1.56E-08	2.87E-08	0.00E+00	0.00E+00	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.87E-08	0.00E+00	0.00E+00	4.43E-08	2.35E-09	5.01E-09	0.00E+00	0.00E+00	7.36E-09
1099	500273.4	3732792	1.58E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	2.37E-09	5.06E-09	0.00E+00	0.00E+00	7.43E-09
1100	500264.3	3732788	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	2.39E-09	5.10E-09	0.00E+00	0.00E+00	7.50E-09
1101	500255.1	3732784	1.60E-08	2.95E-08	0.00E+00	0.00E+00	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.95E-08	0.00E+00	0.00E+00	4.55E-08	2.41E-09	5.14E-09	0.00E+00	0.00E+00	7.55E-09
1102	500246	3732781	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	2.42E-09	5.17E-09	0.00E+00	0.00E+00	7.59E-09
1103	500236.9	3732777	1.62E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	2.43E-09	5.19E-09	0.00E+00	0.00E+00	7.62E-09
1104	500227.8	3732773	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	2.44E-09	5.20E-09	0.00E+00	0.00E+00	7.64E-09
1105	500191.3	3732758	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.59E-08	2.43E-09	5.18E-09	0.00E+00	0.00E+00	7.61E-09
1106	500182.1	3732754	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	2.42E-09	5.16E-09	0.00E+00	0.00E+00	7.57E-09
1107	500173	3732750	1.60E-08	2.94E-08	0.00E+00	0.00E+00	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.94E-08	0.00E+00	0.00E+00	4.54E-08	2.40E-09	5.12E-09	0.00E+00	0.00E+00	7.53E-09
1108	500163.9	3732746	1.58E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	2.38E-09	5.08E-09	0.00E+00	0.00E+00	7.47E-09
1109	500154.7	3732743	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.04E-09	0.00E+00	0.00E+00	7.40E-09
1110	500145.6	3732739	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	2.34E-09	4.98E-09	0.00E+00	0.00E+00	7.32E-09
1111	500136.5	3732735	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.36E-08	2.31E-09	4.92E-09	0.00E+00	0.00E+00	7.23E-09
1112	500127.4	3732731	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.30E-08	2.27E-09	4.85E-09	0.00E+00	0.00E+00	7.13E-09
1113	500118.2	3732727	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	2.24E-09	4.78E-09	0.00E+00	0.00E+00	7.02E-09
1114	500109.1	3732724	1.46E-08	2.70E-08	0.00E+00	0.00E+00	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.70E-08	0.00E+00	0.00E+00	4.16E-08	2.20E-09	4.70E-09	0.00E+00	0.00E+00	6.90E-09
1115	500100	3732720	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
1116	500090.9	3732716	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.00E-08	2.12E-09	4.52E-09	0.00E+00	0.00E+00	6.64E-09
1117	500081.7	3732712	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	2.08E-09	4.43E-09	0.00E+00	0.00E+00	6.50E-09
1118	500072.6	3732709	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.36E-09
1119	500063.5	3732705	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.74E-08	1.98E-09	4.23E-09	0.00E+00	0.00E+00	6.21E-09
1120	500054.4	3732701	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.65E-08	1.93E-09	4.12E-09	0.00E+00	0.00E+00	6.05E-09
1121	500045.2	3732697	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	1.88E-09	4.01E-09	0.00E+00	0.00E+00	5.89E-09
1122	500036.1	3732693	1.22E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.73E-09
1123	500027	3732690	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	1.78E-09	3.79E-09	0.00E+00	0.00E+00	5.57E-09
1124	500017.9	3732686	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.73E-09	3.68E-09	0.00E+00	0.00E+00	5.40E-09
1125	500008.7	3732682	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
1126	499999.6	3732678	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
1127	499990.5	3732674	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.91E-09
1128	499981.4	3732671	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	1.52E-09	3.23E-09	0.00E+00	0.00E+00	4.75E-09
1129	499972.2	3732667	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.59E-09
1130	500328.5	3732786	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	2.07E-09	4.43E-09	0.00E+00	0.00E+00	6.50E-09
1131	500335.6	3732792	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.46E-09
1132	500342.8	3732798	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	2.05E-09	4.36E-09	0.00E+00	0.00E+00	6.41E-09
1133	500349.9	3732805	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.35E-09
1134	500357	3732811	1.33E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	2.01E-09	4.28E-09	0.00E+00	0.00E+00	6.29E-09
1135	500364.1	3732817	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	1.98E-09	4.23E-09	0.00E+00	0.00E+00	6.22E-09
1136	500371.3	3732824	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.70E-08	1.96E-09	4.18E-09	0.00E+00	0.00E+00	6.14E-09
1137	500378.4	3732830	1.28E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	1.93E-09	4.12E-09	0.00E+00	0.00E+00	6.06E-09
1138	500385.5	3732836	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	1.90E-09	4.06E-09	0.00E+00	0.00E+00	5.97E-09
1139	500392.6	3732843	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.54E-08	1.87E-09	4.00E-09	0.00E+00	0.00E+00	5.87E-09
1140	500399.7	3732849	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.77E-09
1141	500406.9	3732855	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.66E-09
1142	500414	3732862	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.78E-09	0.00E+00	0.00E+00	5.56E-09
1143	500421.1	3732868	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.70E-09	0.00E+00	0.00E+00	5.44E-09
1144	500428.2	3732874	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.63E-09	0.00E+00	0.00E+00	5.33E-09
1145	500435.4	3732881	1.10E-08	2.04E-08	0.00E+00	0.00E+00	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.04E-08	0.00E+00	0.00E+00	3.14E-08	1.66E-09	3.55E-09	0.00E+00	0.00E+00	5.21E-09
1146	500442.5	3732887	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.09E-09
1147	500449.6	3732893	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	1.58E-09	3.38E-09	0.00E+00	0.00E+00	4.97E-09
1148	500456.7	3732900	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	1.55E-09	3.30E-09	0.00E+00	0.00E+00	4.84E-09
1149	500463.8	3732906	1.00E-08	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.51E-09	3.21E-09	0.00E+00	0.00E+00	4.72E-09
1150	500471	3732912	9.74E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.59E-09
1151	500478.1	3732919	9.47E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	1.43E-09	3.04E-09	0.00E+00	0.00E+00	4.47E-09
1152	500485.2	3732925	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
1153	500494	3732941	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
1154	500497.4	3732959	8.71E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.31E-09	2.80E-09	0.00E+00	0.00E+00	4.11E-09
1155	500499.1	3732969	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
1156	500500.8	3732978	8.52E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.02E-09
1157	500502.5	3732988	8.43E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.97E-09
1158	500504.2	3732997	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.93E-09
1159	500505.9	3733006	8.22E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
1160	500507.6	3733016	8.11E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.83E-09
1161	500509.3	3733025	8.00E-09	1.47E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.47E-08	0.00E+00	0.00E+00	2.28E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
1162	500511	3733034	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
1163	500512.7	3733044	7.78E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
1164	500514.4	3733053	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
1165	500516.1	3733063	7.55E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.42E-09	0.00E+00	0.00E+00	3.56E-09
1166	500321.4	3732779	1.38E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	2.09E-09	4.45E-09	0.00E+00	0.00E+00	6.53E-09

1167	500312.3	3732776	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	2.11E-09	4.51E-09	0.00E+00	0.00E+00	6.62E-09
1168	500303.2	3732772	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	2.14E-09	4.56E-09	0.00E+00	0.00E+00	6.70E-09
1169	500294	3732768	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
1170	500284.9	3732764	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	2.18E-09	4.65E-09	0.00E+00	0.00E+00	6.83E-09
1171	500275.8	3732760	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.69E-09	0.00E+00	0.00E+00	6.88E-09
1172	500266.6	3732757	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.93E-09
1173	500257.5	3732753	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	2.22E-09	4.74E-09	0.00E+00	0.00E+00	6.96E-09
1174	500248.4	3732749	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	2.23E-09	4.76E-09	0.00E+00	0.00E+00	6.99E-09
1175	500239.3	3732745	1.48E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	2.23E-09	4.77E-09	0.00E+00	0.00E+00	7.00E-09
1176	500230.1	3732741	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	2.24E-09	4.77E-09	0.00E+00	0.00E+00	7.01E-09
1177	500193.6	3732726	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.93E-09
1178	500184.5	3732723	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.69E-09	0.00E+00	0.00E+00	6.88E-09
1179	500175.4	3732719	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	2.18E-09	4.65E-09	0.00E+00	0.00E+00	6.83E-09
1180	500166.3	3732715	1.44E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
1181	500157.1	3732711	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	2.14E-09	4.56E-09	0.00E+00	0.00E+00	6.70E-09
1182	500148	3732707	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	2.11E-09	4.51E-09	0.00E+00	0.00E+00	6.62E-09
1183	500138.9	3732704	1.38E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	2.08E-09	4.45E-09	0.00E+00	0.00E+00	6.53E-09
1184	500129.8	3732700	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	2.05E-09	4.38E-09	0.00E+00	0.00E+00	6.43E-09
1185	500120.6	3732696	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.31E-09	0.00E+00	0.00E+00	6.33E-09
1186	500111.5	3732692	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	1.99E-09	4.24E-09	0.00E+00	0.00E+00	6.22E-09
1187	500102.4	3732688	1.29E-08	2.39E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.39E-08	0.00E+00	0.00E+00	3.68E-08	1.95E-09	4.16E-09	0.00E+00	0.00E+00	6.11E-09
1188	500093.2	3732685	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.07E-09	0.00E+00	0.00E+00	5.98E-09
1189	500084.1	3732681	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
1190	500075	3732677	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.73E-09
1191	500065.9	3732673	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.37E-08	1.79E-09	3.81E-09	0.00E+00	0.00E+00	5.59E-09
1192	500056.7	3732669	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.46E-09
1193	500047.6	3732666	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	1.70E-09	3.62E-09	0.00E+00	0.00E+00	5.32E-09
1194	500038.5	3732662	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.52E-09	0.00E+00	0.00E+00	5.17E-09
1195	500029.4	3732658	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	1.61E-09	3.42E-09	0.00E+00	0.00E+00	5.03E-09
1196	500020.2	3732654	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	1.56E-09	3.33E-09	0.00E+00	0.00E+00	4.89E-09
1197	500011.1	3732651	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	1.51E-09	3.23E-09	0.00E+00	0.00E+00	4.74E-09
1198	500002	3732647	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.60E-09
1199	499992.9	3732643	9.45E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.46E-09
1200	499983.7	3732639	9.15E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
1201	500340	3732758	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	1.93E-09	4.11E-09	0.00E+00	0.00E+00	6.03E-09
1202	500347.2	3732764	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.08E-09	0.00E+00	0.00E+00	6.00E-09
1203	500354.3	3732771	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.06E-09	0.00E+00	0.00E+00	5.96E-09
1204	500361.5	3732777	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.89E-09	4.03E-09	0.00E+00	0.00E+00	5.91E-09
1205	500368.6	3732783	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
1206	500375.7	3732790	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	1.85E-09	3.95E-09	0.00E+00	0.00E+00	5.80E-09
1207	500382.9	3732796	1.22E-08	2.24E-08	0.00E+00	0.00E+00	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.24E-08	0.00E+00	0.00E+00	3.46E-08	1.83E-09	3.91E-09	0.00E+00	0.00E+00	5.74E-09
1208	500390	3732802	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.67E-09
1209	500397.1	3732809	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.37E-08	1.78E-09	3.81E-09	0.00E+00	0.00E+00	5.59E-09
1210	500404.3	3732815	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.51E-09
1211	500411.4	3732821	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.69E-09	0.00E+00	0.00E+00	5.42E-09
1212	500418.6	3732828	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.63E-09	0.00E+00	0.00E+00	5.33E-09
1213	500425.7	3732834	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
1214	500432.8	3732840	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
1215	500440	3732847	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.03E-09
1216	500447.1	3732853	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	1.57E-09	3.36E-09	0.00E+00	0.00E+00	4.93E-09
1217	500454.2	3732860	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
1218	500461.4	3732866	1.00E-08	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.51E-09	3.21E-09	0.00E+00	0.00E+00	4.72E-09
1219	500468.5	3732872	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
1220	500475.7	3732879	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.44E-09	3.06E-09	0.00E+00	0.00E+00	4.50E-09
1221	500482.8	3732885	9.30E-09	1.71E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.71E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
1222	500489.9	3732891	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.91E-09	0.00E+00	0.00E+00	4.28E-09
1223	500497.1	3732898	8.83E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.84E-09	0.00E+00	0.00E+00	4.17E-09
1224	500504.2	3732904	8.60E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.76E-09	0.00E+00	0.00E+00	4.06E-09
1225	500511.3	3732910	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
1226	500520.2	3732926	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.80E-09
1227	500521.9	3732935	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
1228	500523.6	3732945	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
1229	500527	3732964	7.74E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.65E-09
1230	500528.7	3732973	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
1231	500530.4	3732982	7.56E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.56E-09
1232	500532.1	3732992	7.46E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
1233	500533.8	3733001	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
1234	500535.5	3733011	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.43E-09
1235	500537.2	3733020	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
1236	500538.9	3733029	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
1237	500540.6	3733039	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
1238	500542.3	3733048	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
1239	500544	3733058	6.75E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
1240	500549.1	3733086	6.43E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.68E-10	2.07E-09	0.00E+00	0.00E+00	3.03E-09
1241	500555.8	3733123	6.02E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.06E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
1242	500332.9	3732752	1.28E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	1.93E-09	4.12E-09	0.00E+00	0.00E+00	6.06E-09
1243	500323.8	3732748	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.69E-08	1.96E-09	4.17E-09	0.00E+00	0.00E+00	6.13E-09
1244	500314.7	3732744	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	1.98E-09	4.22E-09	0.00E+00	0.00E+00	6.20E-09
1245	500305.5	3732740	1.33E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	2.00E-09	4.26E-09	0.00E+00	0.00E+00	6.25E-09
1246	500296.4	3732737	1.34E-08	2.46E-08	0.00E+00	0.00E+00	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.46E-08	0.00E+00	0.00E+00	3.80E-08	2.01E-09	4.29E-09	0.00E+00	0.00E+00	6.31E-09
1247	500287.3	3732733	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.32E-09	0.00E+00	0.00E+00	6.35E-09
1248	500278.2	3732729	1.35E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	2.04E-09	4.35E-09	0.00E+00	0.00E+00	6.39E-09
1249	500269	3732725	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.37E-09	0.00E+00	0.00E+00	6.41E-09
1250	500259.9	3732721	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	2.05E-09	4.38E-09	0.00E+00	0.00E+00	6.43E-09
1251	500250.8	3732718	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	2.06E-09	4.39E-09	0.00E+00	0.00E+00	6.44E-09
1252	500241.6	3732714	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	2.06E-09	4.39E-09	0.00E+00	0.00E+00	6.44E-09
1253	500232.5	3732710	1.36E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	2.05E-09	4.38E-09	0.00E+00	0.00E+00	6.44E-09
1254	500223.4	3732706	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.37E-09	0.00E+00	0.00E+00	6.42E-09
1255	500186.9	3732691	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	2.00E-09	4.28E-09	0.00E+00	0.00E+00	6.28E-09
1256	500177.8	3732687	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	1.99E-09	4.24E-09	0.00E+00	0.00E+00	6.22E-09
1257	500168.6	3732683	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.71E-08	1.97E-09	4.19E-09	0.00E+00	0.00E+00	6.16E-09
1258	500159.5	3732680	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	1.94E-09	4.15E-09	0.00E+00	0.00E+00	6.09E-09
1259	500150.4	3732676	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.09E-09	0.00E+00	0.00E+00	6.01E-09
1260	500141.3	3732672	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.04E-09	0.00E+00	0.00E+00	5.93E-09
1261	500132.1	3732668	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.84E-09
1262	500123	3732665	1.22E-08	2.24E-08	0.00E+00	0.00E+00	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.24E-08	0.00E+00	0.00E+00	3.46E-08	1.83E-09	3.91E-09	0.00E+00	0.00E+00	5.74E-09
1263	500113.9	3732661	1.20E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	1.80E-09	3.84E-09	0.00E+00	0.00E+00	5.64E-09
1264	500104.8	3732657	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.34E-08	1.77E-09	3.77E-09	0.00E+00	0.00E+00	5.53E-09
1265	500095.6	3732653	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.69E-09	0.00E+00	0.00E+00	5.42E-09
1266	500086.5	3732649	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.61E-09	0.00E+00	0.00E+00	5.31E-09
1267	500077.4	3732646	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	1.66E-09	3.53E-09	0.00E+00	0.00E+00	5.19E-09
1268	500068.3	3732642	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
1269	500059.1	3732638	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
1270	500050	3732634	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.28E-09	0.00E+00	0.00E+00	4.82E-09
1271	500040.9	3732630	9.96E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.20E-09	0.00E+00	0.00E+00	4.70E-09
1272	500031.7	3732627	9.69E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
1273	500022.6	3732623	9.43E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.45E-09
1274	500013.5	3732619	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
1275	500004.4	3732615	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.19E-09
1276	499995.2	3732611	8.63E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
1277	500351.6	3732730	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	1.79E-09	3.82E-09	0.00E+00	0.00E+00	5.62E-09
1278	500358.7	3732737	1.19E-08	2.18E-08	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.18E-08	0.00E+00	0.00E+00	3.37E-08	1.78E-09	3.81E-09	0.00E+00	0.00E+00	5.59E-09
1279	500365.9	3732743	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.78E-09	0.00E+00	0.00E+00	5.56E-09
1280	500373	3732749	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.52E-09
1281	500380.2	3732756	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.48E-09
1282	500387.3	3732762	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.69E-09	0.00E+00	0.00E+00	5.43E-09
1283	500394.5	3732768	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.71E-09	3.66E-09	0.00E+00	0.00E+00	5.37E-09
1284	500401.6	3732775	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	1.70E-09	3.62E-09	0.00E+00	0.00E+00	5.31E-09
1285	500408.8	3732781	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.25E-09
1286	500415.9	3732788	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.52E-09	0.00E+00	0.00E+00	5.18E-09
1287	500423.1	3732794	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.08E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.10E-09
1288	500430.2	3732800	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	1.60E-09	3.42E-09	0.00E+00	0.00E+00	5.02E-09
1289	500437.4	3732807	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.36E-09	0.00E+00	0.00E+00	4.94E-09
1290	500444.5	3732813	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.86E-09
1291	500451.7	3732819	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.77E-09
1292	500458.8	3732826	9.91E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.68E-09
1293	500466	3732832	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
1294	500473.1	3732838	9.52E-09	1.75E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-09	1.75E-08	0.00E+00	0.00E+00	2.71E-08	1.43E-09	3.06E-09	0.00E+00	0.00E+00	4.49E-09
1295	500480.3	3732845	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
1296	500487.4	3732851	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.29E-09

1297	500494.6	3732857	8.90E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.20E-09
1298	500501.7	3732864	8.69E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
1299	500508.9	3732870	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
1300	500516	3732876	8.26E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.90E-09
1301	500523.2	3732883	8.05E-09	1.48E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-09	1.48E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.80E-09
1302	500530.3	3732889	7.84E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.70E-09
1303	500537.5	3732896	7.64E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
1304	500546.3	3732911	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
1305	500548	3732921	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
1306	500549.7	3732930	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
1307	500556.6	3732968	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
1308	500558.3	3732977	6.81E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
1309	500560	3732987	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
1310	500561.7	3732996	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.98E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
1311	500563.4	3733005	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
1312	500565.1	3733015	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.70E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
1313	500566.8	3733024	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
1314	500568.5	3733034	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.42E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
1315	500570.2	3733043	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
1316	500571.9	3733053	6.07E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.13E-10	1.95E-09	0.00E+00	0.00E+00	2.86E-09
1317	500573.6	3733062	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
1318	500575.3	3733071	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.85E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
1319	500577	3733081	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
1320	500578.7	3733090	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.56E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
1321	500580.4	3733100	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
1322	500583.8	3733118	5.41E-09	9.98E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	9.98E-09	0.00E+00	0.00E+00	1.54E-08	8.15E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
1323	500585.5	3733128	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
1324	500590.6	3733156	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	7.63E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
1325	500344.4	3732724	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.40E-08	1.80E-09	3.84E-09	0.00E+00	0.00E+00	5.64E-09
1326	500335.3	3732720	1.21E-08	2.23E-08	0.00E+00	0.00E+00	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.23E-08	0.00E+00	0.00E+00	3.43E-08	1.82E-09	3.88E-09	0.00E+00	0.00E+00	5.70E-09
1327	500326.2	3732716	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	1.84E-09	3.92E-09	0.00E+00	0.00E+00	5.75E-09
1328	500317	3732713	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	1.85E-09	3.95E-09	0.00E+00	0.00E+00	5.80E-09
1329	500307.9	3732709	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	1.87E-09	3.98E-09	0.00E+00	0.00E+00	5.84E-09
1330	500298.8	3732705	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	1.88E-09	4.00E-09	0.00E+00	0.00E+00	5.88E-09
1331	500289.7	3732701	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.89E-09	4.02E-09	0.00E+00	0.00E+00	5.91E-09
1332	500280.5	3732697	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.04E-09	0.00E+00	0.00E+00	5.93E-09
1333	500271.4	3732694	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.95E-09
1334	500262.3	3732690	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.95E-09
1335	500253.2	3732686	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.95E-09
1336	500244	3732682	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.94E-09
1337	500234.9	3732679	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.04E-09	0.00E+00	0.00E+00	5.93E-09
1338	500225.8	3732675	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.89E-09	4.02E-09	0.00E+00	0.00E+00	5.91E-09
1339	500189.3	3732660	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.46E-08	1.83E-09	3.91E-09	0.00E+00	0.00E+00	5.75E-09
1340	500180.1	3732656	1.21E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	1.82E-09	3.88E-09	0.00E+00	0.00E+00	5.69E-09
1341	500171	3732652	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	1.80E-09	3.83E-09	0.00E+00	0.00E+00	5.63E-09
1342	500161.9	3732648	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.79E-09	0.00E+00	0.00E+00	5.56E-09
1343	500152.8	3732644	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.49E-09
1344	500143.6	3732641	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.73E-09	3.68E-09	0.00E+00	0.00E+00	5.41E-09
1345	500134.5	3732637	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.62E-09	0.00E+00	0.00E+00	5.32E-09
1346	500125.4	3732633	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
1347	500116.3	3732629	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
1348	500107.1	3732625	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
1349	500098	3732622	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.36E-09	0.00E+00	0.00E+00	4.94E-09
1350	500088.9	3732618	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.84E-09
1351	500079.8	3732614	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.73E-09
1352	500070.6	3732610	9.80E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.15E-09	0.00E+00	0.00E+00	4.62E-09
1353	500061.5	3732606	9.57E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	1.44E-09	3.07E-09	0.00E+00	0.00E+00	4.51E-09
1354	500052.4	3732603	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.41E-09	3.00E-09	0.00E+00	0.00E+00	4.40E-09
1355	500043.3	3732599	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.29E-09
1356	500034.1	3732595	8.86E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	1.33E-09	2.85E-09	0.00E+00	0.00E+00	4.18E-09
1357	500025	3732591	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
1358	500015.9	3732588	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.96E-09
1359	500006.8	3732584	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
1360	500363.1	3732703	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
1361	500370.3	3732709	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.22E-09
1362	500377.4	3732715	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	1.66E-09	3.54E-09	0.00E+00	0.00E+00	5.20E-09
1363	500384.6	3732722	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.52E-09	0.00E+00	0.00E+00	5.17E-09
1364	500391.7	3732728	1.09E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.13E-09
1365	500398.9	3732734	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.09E-09
1366	500406.1	3732741	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
1367	500413.2	3732747	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.59E-09	3.40E-09	0.00E+00	0.00E+00	4.99E-09
1368	500420.4	3732754	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	1.58E-09	3.36E-09	0.00E+00	0.00E+00	4.94E-09
1369	500427.6	3732760	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	1.56E-09	3.32E-09	0.00E+00	0.00E+00	4.87E-09
1370	500434.7	3732766	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	1.54E-09	3.28E-09	0.00E+00	0.00E+00	4.81E-09
1371	500441.9	3732773	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	1.51E-09	3.23E-09	0.00E+00	0.00E+00	4.74E-09
1372	500449	3732779	9.90E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
1373	500456.2	3732785	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.60E-09
1374	500463.4	3732792	9.58E-09	1.77E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.77E-08	0.00E+00	0.00E+00	2.72E-08	1.44E-09	3.08E-09	0.00E+00	0.00E+00	4.52E-09
1375	500470.5	3732798	9.41E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.02E-09	0.00E+00	0.00E+00	4.44E-09
1376	500477.7	3732804	9.24E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
1377	500484.9	3732811	9.06E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.36E-09	2.91E-09	0.00E+00	0.00E+00	4.28E-09
1378	500492	3732817	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
1379	500499.2	3732824	8.70E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
1380	500506.3	3732830	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
1381	500513.5	3732836	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.93E-09
1382	500520.7	3732843	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
1383	500527.8	3732849	7.94E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.55E-09	0.00E+00	0.00E+00	3.75E-09
1384	500535	3732855	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
1385	500542.2	3732862	7.56E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
1386	500549.3	3732868	7.37E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
1387	500556.5	3732874	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
1388	500563.6	3732881	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
1389	500572.5	3732897	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
1390	500574.2	3732906	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.14E-09	0.00E+00	0.00E+00	3.15E-09
1391	500575.9	3732916	6.61E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.95E-10	2.12E-09	0.00E+00	0.00E+00	3.12E-09
1392	500577.6	3732925	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
1393	500579.3	3732934	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
1394	500584.4	3732963	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.38E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
1395	500586.1	3732972	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.26E-10	1.98E-09	0.00E+00	0.00E+00	2.90E-09
1396	500587.8	3732982	6.07E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.14E-10	1.95E-09	0.00E+00	0.00E+00	2.86E-09
1397	500589.6	3732991	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.01E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
1398	500591.3	3733000	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.78E-09
1399	500593	3733010	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.76E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
1400	500594.7	3733019	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
1401	500596.4	3733029	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.81E-09	0.00E+00	0.00E+00	2.67E-09
1402	500598.1	3733038	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
1403	500599.8	3733048	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
1404	500601.5	3733057	5.40E-09	9.95E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.95E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
1405	500603.2	3733066	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	8.00E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
1406	500604.9	3733076	5.23E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	7.87E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
1407	500606.6	3733085	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	7.75E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
1408	500608.3	3733095	5.06E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	7.62E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
1409	500610	3733104	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
1410	500611.7	3733114	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
1411	500613.4	3733123	4.82E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
1412	500615.1	3733132	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
1413	500616.8	3733142	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
1414	500618.5	3733151	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.17E-09
1415	500355.9	3732696	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.58E-09	0.00E+00	0.00E+00	5.26E-09
1416	500346.8	3732692	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.62E-09	0.00E+00	0.00E+00	5.31E-09
1417	500337.7	3732689	1.14E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	1.71E-09	3.65E-09	0.00E+00	0.00E+00	5.36E-09
1418	500328.6	3732685	1.14E-08	2.11E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.11E-08	0.00E+00	0.00E+00	3.25E-08	1.72E-09	3.67E-09	0.00E+00	0.00E+00	5.40E-09
1419	500319.4	3732681	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.70E-09	0.00E+00	0.00E+00	5.43E-09
1420	500310.3	3732677	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.72E-09	0.00E+00	0.00E+00	5.46E-09
1421	500301.2	3732674	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.49E-09
1422	500292	3732670	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.50E-09
1423	500282.9	3732666	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.52E-09
1424	500273.8	3732662	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.52E-09
1425	500264.7	3732658	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.52E-09
1426	500255.5	3732655	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.51E-09

1427	500246.4	3732651	1.16E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.49E-09
1428	500237.3	3732647	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.47E-09
1429	500228.2	3732643	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
1430	500191.7	3732628	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	1.68E-09	3.59E-09	0.00E+00	0.00E+00	5.28E-09
1431	500182.5	3732624	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.55E-09	0.00E+00	0.00E+00	5.22E-09
1432	500173.4	3732620	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.51E-09	0.00E+00	0.00E+00	5.16E-09
1433	500045.6	3732567	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
1434	500036.5	3732564	8.14E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.23E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
1435	500027.4	3732560	7.93E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.55E-09	0.00E+00	0.00E+00	3.74E-09
1436	500018.3	3732556	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
1437	500374.6	3732675	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.91E-09
1438	500381.8	3732681	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	1.56E-09	3.33E-09	0.00E+00	0.00E+00	4.89E-09
1439	500389	3732688	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	1.56E-09	3.32E-09	0.00E+00	0.00E+00	4.87E-09
1440	500396.1	3732694	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	1.55E-09	3.30E-09	0.00E+00	0.00E+00	4.85E-09
1441	500403.3	3732700	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	1.54E-09	3.28E-09	0.00E+00	0.00E+00	4.82E-09
1442	500410.5	3732707	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.78E-09
1443	500417.6	3732713	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	1.51E-09	3.23E-09	0.00E+00	0.00E+00	4.74E-09
1444	500424.8	3732720	9.96E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.20E-09	0.00E+00	0.00E+00	4.70E-09
1445	500432	3732726	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
1446	500439.2	3732732	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.60E-09
1447	500446.3	3732739	9.63E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.54E-09
1448	500453.5	3732745	9.51E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.49E-09
1449	500460.7	3732751	9.38E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
1450	500467.9	3732758	9.24E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
1451	500475	3732764	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.29E-09
1452	500482.2	3732771	8.95E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.35E-09	2.87E-09	0.00E+00	0.00E+00	4.22E-09
1453	500489.4	3732777	8.80E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
1454	500496.5	3732783	8.64E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
1455	500503.7	3732790	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
1456	500510.9	3732796	8.31E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
1457	500518.1	3732802	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.84E-09
1458	500525.2	3732809	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
1459	500532.4	3732815	7.81E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.68E-09
1460	500539.6	3732822	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
1461	500546.8	3732828	7.46E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
1462	500553.9	3732834	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
1463	500561.1	3732841	7.11E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.36E-09
1464	500568.3	3732847	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
1465	500575.4	3732853	6.77E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
1466	500582.6	3732860	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.93E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
1467	500589.8	3732866	6.43E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	9.68E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
1468	500598.7	3732882	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.34E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
1469	500600.4	3732891	6.14E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.25E-10	1.97E-09	0.00E+00	0.00E+00	2.90E-09
1470	500602.1	3732901	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.15E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
1471	500603.8	3732910	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.05E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
1472	500605.5	3732920	5.94E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.95E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
1473	500607.2	3732929	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.85E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
1474	500614	3732967	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.64E-09
1475	500615.7	3732976	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.30E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
1476	500617.4	3732986	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.19E-10	1.75E-09	0.00E+00	0.00E+00	2.56E-09
1477	500619.1	3732995	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	8.07E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
1478	500620.9	3733005	5.28E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	7.96E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
1479	500622.6	3733014	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	7.84E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
1480	500624.3	3733024	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
1481	500626	3733033	5.05E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	7.61E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
1482	500627.7	3733042	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
1483	500629.4	3733052	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
1484	500631.1	3733061	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
1485	500632.8	3733071	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
1486	500634.5	3733080	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
1487	500636.2	3733090	4.60E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	6.93E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
1488	500637.9	3733099	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
1489	500639.6	3733109	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
1490	500641.3	3733118	4.39E-09	8.09E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.09E-09	0.00E+00	0.00E+00	1.25E-08	6.61E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
1491	500643	3733127	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	6.51E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
1492	500644.8	3733137	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
1493	500646.5	3733146	4.19E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.98E-09
1494	500648.2	3733156	4.12E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
1495	500649.9	3733165	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.92E-09
1496	500367.4	3732669	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.97E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.92E-09
1497	500358.3	3732665	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	1.58E-09	3.38E-09	0.00E+00	0.00E+00	4.96E-09
1498	500349.2	3732661	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.02E-08	1.60E-09	3.41E-09	0.00E+00	0.00E+00	5.00E-09
1499	500340.1	3732657	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
1500	500330.9	3732653	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
1501	500321.8	3732650	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
1502	500312.7	3732646	1.08E-08	2.00E-08	0.00E+00	0.00E+00	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.00E-08	0.00E+00	0.00E+00	3.08E-08	1.63E-09	3.48E-09	0.00E+00	0.00E+00	5.11E-09
1503	500303.6	3732642	1.09E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.12E-09
1504	500294.4	3732638	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.13E-09
1505	500285.3	3732634	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
1506	500276.2	3732631	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.13E-09
1507	500194	3732597	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.86E-09
1508	500184.9	3732593	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	1.53E-09	3.27E-09	0.00E+00	0.00E+00	4.81E-09
1509	500175.8	3732589	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	1.52E-09	3.23E-09	0.00E+00	0.00E+00	4.75E-09
1510	500166.7	3732585	9.93E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.68E-09
1511	500157.5	3732581	9.79E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.62E-09
1512	500148.4	3732578	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
1513	500139.3	3732574	9.49E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
1514	500130.2	3732570	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.40E-09
1515	500121	3732566	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
1516	500111.9	3732562	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.89E-09	0.00E+00	0.00E+00	4.24E-09
1517	500102.8	3732559	8.81E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
1518	500093.7	3732555	8.63E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
1519	500084.5	3732551	8.45E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.98E-09
1520	500075.4	3732547	8.26E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.90E-09
1521	500066.3	3732543	8.08E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
1522	500057.1	3732540	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
1523	500048	3732536	7.70E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
1524	500386.1	3732647	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
1525	500393.3	3732654	9.74E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.59E-09
1526	500400.5	3732660	9.70E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
1527	500407.7	3732666	9.66E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.56E-09
1528	500414.9	3732673	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.53E-09
1529	500422	3732679	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.44E-09	3.06E-09	0.00E+00	0.00E+00	4.50E-09
1530	500429.2	3732686	9.47E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	1.43E-09	3.04E-09	0.00E+00	0.00E+00	4.47E-09
1531	500436.4	3732692	9.39E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.02E-09	0.00E+00	0.00E+00	4.43E-09
1532	500443.6	3732698	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
1533	500450.8	3732705	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
1534	500457.9	3732711	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.93E-09	0.00E+00	0.00E+00	4.30E-09
1535	500465.1	3732717	9.01E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
1536	500472.3	3732724	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.19E-09
1537	500479.5	3732730	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.14E-09
1538	500486.7	3732737	8.65E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.08E-09
1539	500493.9	3732743	8.52E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.02E-09
1540	500501	3732749	8.38E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
1541	500508.2	3732756	8.24E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.89E-09
1542	500515.4	3732762	8.10E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
1543	500522.6	3732769	7.95E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.55E-09	0.00E+00	0.00E+00	3.75E-09
1544	500529.8	3732775	7.80E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.17E-09	2.51E-09	0.00E+00	0.00E+00	3.68E-09
1545	500536.9	3732781	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
1546	500544.1	3732788	7.49E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.41E-09	0.00E+00	0.00E+00	3.54E-09
1547	500551.3	3732794	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.46E-09
1548	500558.5	3732800	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
1549	500565.7	3732807	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.31E-09
1550	500572.8	3732813	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.24E-09
1551	500580	3732820	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
1552	500587.2	3732826	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.86E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
1553	500594.4	3732832	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.62E-10	2.05E-09	0.00E+00	0.00E+00	3.02E-09
1554	500601.6	3732839	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
1555	500608.8	3732845	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.16E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
1556	500615.9	3732851	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	8.93E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09

1557	500624.8	3732867	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.62E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
1558	500626.5	3732877	5.67E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.54E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
1559	500628.2	3732886	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	8.45E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
1560	500630	3732896	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
1561	500631.7	3732905	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.26E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
1562	500633.4	3732915	5.42E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
1563	500635.1	3732924	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	8.07E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
1564	500636.8	3732933	5.30E-09	9.76E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.76E-09	0.00E+00	0.00E+00	1.51E-08	7.97E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
1565	500641.9	3732962	5.09E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
1566	500643.6	3732971	5.03E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
1567	500645.3	3732981	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
1568	500647	3732990	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
1569	500648.8	3733000	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	7.25E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
1570	500650.5	3733009	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
1571	500652.2	3733019	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
1572	500653.9	3733028	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.94E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
1573	500655.6	3733037	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
1574	500657.3	3733047	4.47E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
1575	500659	3733056	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
1576	500660.7	3733066	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
1577	500662.4	3733075	4.27E-09	7.88E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.88E-09	0.00E+00	0.00E+00	1.21E-08	6.43E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
1578	500664.1	3733085	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
1579	500665.8	3733094	4.14E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	6.24E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
1580	500667.6	3733104	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
1581	500669.3	3733113	4.02E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
1582	500671	3733123	3.96E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
1583	500672.7	3733132	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
1584	500674.4	3733141	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	5.78E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
1585	500676.1	3733151	3.78E-09	6.97E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	6.97E-09	0.00E+00	0.00E+00	1.07E-08	5.69E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
1586	500677.8	3733160	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
1587	500679.5	3733170	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
1588	500378.9	3732641	9.78E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
1589	500369.8	3732637	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
1590	500360.7	3732633	9.93E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
1591	500351.6	3732630	9.99E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.50E-09	3.21E-09	0.00E+00	0.00E+00	4.71E-09
1592	500342.4	3732626	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	1.51E-09	3.23E-09	0.00E+00	0.00E+00	4.74E-09
1593	500333.3	3732622	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.24E-09	0.00E+00	0.00E+00	4.76E-09
1594	500296.8	3732607	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
1595	500287.7	3732603	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
1596	500278.6	3732599	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.25E-09	0.00E+00	0.00E+00	4.78E-09
1597	500269.4	3732595	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.77E-09
1598	500260.3	3732592	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	1.52E-09	3.23E-09	0.00E+00	0.00E+00	4.75E-09
1599	500251.2	3732588	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.72E-09
1600	500242.1	3732584	9.96E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.20E-09	0.00E+00	0.00E+00	4.70E-09
1601	500232.9	3732580	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.66E-09
1602	500187.3	3732561	9.41E-09	1.73E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.73E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.02E-09	0.00E+00	0.00E+00	4.44E-09
1603	500178.2	3732557	9.29E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
1604	500169	3732554	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
1605	500159.9	3732550	9.03E-09	1.66E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.66E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.90E-09	0.00E+00	0.00E+00	4.26E-09
1606	500150.8	3732546	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.20E-09
1607	500141.7	3732542	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
1608	500132.5	3732539	8.60E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.06E-09
1609	500123.4	3732535	8.45E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.98E-09
1610	500114.3	3732531	8.29E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
1611	500105.2	3732527	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.83E-09
1612	500096	3732523	7.97E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
1613	500086.9	3732520	7.80E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.17E-09	2.51E-09	0.00E+00	0.00E+00	3.68E-09
1614	500077.8	3732516	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
1615	500068.7	3732512	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
1616	500059.5	3732508	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
1617	500050.4	3732504	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
1618	500041.3	3732501	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.28E-09
1619	500401.6	3732610	9.00E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
1620	500408.9	3732617	8.98E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.24E-09
1621	500416.3	3732623	8.96E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.22E-09
1622	500423.6	3732630	8.92E-09	1.64E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.64E-08	0.00E+00	0.00E+00	2.54E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.21E-09
1623	500430.9	3732636	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
1624	500438.2	3732643	8.83E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
1625	500445.6	3732650	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.14E-09
1626	500452.9	3732656	8.70E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
1627	500460.2	3732663	8.63E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
1628	500467.5	3732669	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.03E-09
1629	500474.9	3732676	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.27E-09	2.72E-09	0.00E+00	0.00E+00	3.99E-09
1630	500482.2	3732682	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
1631	500489.5	3732689	8.28E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.90E-09
1632	500496.8	3732695	8.17E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
1633	500504.2	3732702	8.06E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.80E-09
1634	500511.5	3732708	7.95E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.55E-09	0.00E+00	0.00E+00	3.75E-09
1635	500518.8	3732715	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
1636	500526.1	3732721	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
1637	500533.5	3732728	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.58E-09
1638	500540.8	3732734	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
1639	500548.1	3732741	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
1640	500555.4	3732747	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
1641	500562.8	3732754	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
1642	500570.1	3732760	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
1643	500577.4	3732767	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
1644	500584.7	3732773	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.97E-10	2.13E-09	0.00E+00	0.00E+00	3.12E-09
1645	500592.1	3732780	6.48E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.75E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
1646	500599.4	3732786	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.54E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
1647	500606.7	3732793	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
1648	500614	3732799	6.05E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.86E-09
1649	500621.4	3732806	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.90E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
1650	500628.7	3732812	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.69E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
1651	500636	3732819	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
1652	500643.3	3732825	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
1653	500650.7	3732832	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	8.07E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
1654	500659.7	3732848	5.17E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	7.79E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
1655	500661.5	3732858	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.64E-09	0.00E+00	0.00E+00	2.42E-09
1656	500663.2	3732867	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	7.63E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
1657	500665	3732877	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
1658	500666.7	3732886	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
1659	500668.5	3732896	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.37E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
1660	500670.2	3732906	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	7.29E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
1661	500671.9	3732915	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	7.20E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
1662	500673.7	3732925	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
1663	500675.4	3732935	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
1664	500680.7	3732964	4.47E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
1665	500682.4	3732973	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
1666	500684.1	3732983	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	6.55E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
1667	500685.9	3732993	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
1668	500687.6	3733002	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
1669	500689.4	3733012	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
1670	500691.1	3733021	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
1671	500692.9	3733031	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.09E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
1672	500694.6	3733041	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
1673	500696.3	3733050	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
1674	500698.1	3733060	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
1675	500699.8	3733070	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
1676	500701.6	3733079	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
1677	500703.3	3733089	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
1678	500705.1	3733099	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
1679	500706.8	3733108	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
1680	500708.5	3733118	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
1681	500710.3	3733128	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
1682	500712	3733137	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.74E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
1683	500713.8	3733147	3.38E-09	6.22E-09	0.00E+00	0.00E+00	9.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	6.22E-09	0.00E+00	0.00E+00	9.60E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
1684	500715.5	3733156	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
1685	500717.3	3733166	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
1686	500719	3733176	3.24E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09

1687	500376	3732596	9.14E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.93E-09	0.00E+00	0.00E+00	4.31E-09
1688	500366.9	3732593	9.18E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
1689	500357.8	3732589	9.23E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
1690	500348.7	3732585	9.26E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.37E-09
1691	500339.5	3732581	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
1692	500330.4	3732577	9.30E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
1693	500321.3	3732574	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
1694	500312.2	3732570	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
1695	500303	3732566	9.30E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
1696	500293.9	3732562	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
1697	500284.8	3732558	9.25E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
1698	500275.7	3732555	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
1699	500266.5	3732551	9.17E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
1700	500257.4	3732547	9.12E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.93E-09	0.00E+00	0.00E+00	4.30E-09
1701	500248.3	3732543	9.06E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.91E-09	0.00E+00	0.00E+00	4.27E-09
1702	500239.1	3732539	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.35E-09	2.89E-09	0.00E+00	0.00E+00	4.24E-09
1703	500230	3732536	8.91E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.20E-09
1704	500193.5	3732521	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
1705	500184.4	3732517	8.43E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.97E-09
1706	500175.3	3732513	8.31E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
1707	500166.1	3732509	8.19E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
1708	500157	3732505	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
1709	500147.9	3732502	7.94E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.55E-09	0.00E+00	0.00E+00	3.75E-09
1710	500138.8	3732498	7.81E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.68E-09
1711	500129.6	3732494	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.16E-09	2.46E-09	0.00E+00	0.00E+00	3.62E-09
1712	500120.5	3732490	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
1713	500111.4	3732486	7.39E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.49E-09
1714	500102.3	3732483	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
1715	500093.1	3732479	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
1716	500084	3732475	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
1717	500074.9	3732471	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
1718	500065.7	3732467	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
1719	500056.6	3732464	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.81E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
1720	500416.9	3732573	8.33E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.93E-09
1721	500424.2	3732580	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
1722	500431.4	3732586	8.30E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
1723	500453.2	3732606	8.20E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.87E-09
1724	500460.5	3732612	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
1725	500467.7	3732619	8.10E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
1726	500475	3732625	8.04E-09	1.48E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-09	1.48E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.58E-09	0.00E+00	0.00E+00	3.79E-09
1727	500482.3	3732632	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
1728	500489.5	3732638	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
1729	500496.8	3732644	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.70E-09
1730	500504.1	3732651	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
1731	500511.3	3732657	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.62E-09
1732	500518.6	3732664	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
1733	500525.8	3732670	7.48E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
1734	500533.1	3732677	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
1735	500540.4	3732683	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.43E-09
1736	500547.6	3732690	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
1737	500554.9	3732696	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
1738	500562.2	3732703	6.95E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
1739	500569.4	3732709	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
1740	500576.7	3732715	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
1741	500583.9	3732722	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.92E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
1742	500591.2	3732728	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.74E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
1743	500598.5	3732735	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.55E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
1744	500605.7	3732741	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
1745	500613	3732748	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.18E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
1746	500620.3	3732754	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
1747	500627.5	3732761	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
1748	500634.8	3732767	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
1749	500642	3732774	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
1750	500649.3	3732780	5.47E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.24E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
1751	500656.6	3732786	5.35E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	8.05E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
1752	500663.8	3732793	5.22E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
1753	500671.1	3732799	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	7.68E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
1754	500678.4	3732806	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
1755	500685.6	3732812	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
1756	500694.6	3732828	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
1757	500696.3	3732838	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
1758	500698.1	3732847	4.60E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	6.93E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
1759	500699.8	3732857	4.55E-09	8.39E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	8.39E-09	0.00E+00	0.00E+00	1.29E-08	6.86E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
1760	500701.5	3732866	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
1761	500703.2	3732876	4.45E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	6.71E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
1762	500705	3732886	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
1763	500706.7	3732895	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	6.55E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
1764	500708.4	3732905	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
1765	500710.2	3732914	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
1766	500711.9	3732924	4.19E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	6.31E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
1767	500713.6	3732933	4.14E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
1768	500718.8	3732962	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.28E-09	0.00E+00	0.00E+00	1.87E-09
1769	500720.5	3732972	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
1770	500722.3	3732981	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
1771	500724	3732991	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
1772	500725.7	3733000	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
1773	500727.4	3733010	3.70E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
1774	500729.2	3733019	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
1775	500730.9	3733029	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
1776	500732.6	3733039	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
1777	500734.4	3733048	3.50E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
1778	500736.1	3733058	3.45E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
1779	500737.8	3733067	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
1780	500739.5	3733077	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
1781	500741.3	3733086	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
1782	500743	3733096	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.25E-09	4.90E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
1783	500744.7	3733105	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
1784	500746.5	3733115	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
1785	500748.2	3733125	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.86E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
1786	500749.9	3733134	3.07E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	4.63E-10	9.87E-10	0.00E+00	0.00E+00	1.45E-09
1787	500751.6	3733144	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
1788	500753.4	3733153	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
1789	500755.1	3733163	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.48E-10	0.00E+00	0.00E+00	1.39E-09
1790	500756.8	3733172	2.91E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	4.39E-10	9.35E-10	0.00E+00	0.00E+00	1.37E-09
1791	500758.6	3733182	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
1792	500409.6	3732567	8.34E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.68E-09	0.00E+00	0.00E+00	3.93E-09
1793	500400.5	3732563	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.96E-09
1794	500391.4	3732559	8.43E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.98E-09
1795	500382.3	3732556	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
1796	500373.1	3732552	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
1797	500364	3732548	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
1798	500354.9	3732544	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.03E-09
1799	500345.8	3732540	8.56E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
1800	500336.6	3732537	8.57E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
1801	500327.5	3732533	8.56E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
1802	500318.4	3732529	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.03E-09
1803	500309.2	3732525	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
1804	500300.1	3732522	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
1805	500291	3732518	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
1806	500281.9	3732514	8.44E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.98E-09
1807	500272.7	3732510	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.96E-09
1808	500263.6	3732506	8.33E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.68E-09	0.00E+00	0.00E+00	3.93E-09
1809	500254.5	3732503	8.27E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.90E-09
1810	500245.4	3732499	8.21E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.87E-09
1811	500236.2	3732495	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
1812	500190.6	3732476	7.68E-09	1.42E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.42E-08	0.00E+00	0.00E+00	2.18E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.62E-09
1813	500181.5	3732472	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
1814	500172.4	3732468	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
1815	500163.2	3732465	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
1816	500154.1	3732461	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09

1817	500145	3732457	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
1818	500135.8	3732453	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
1819	500126.7	3732449	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
1820	500117.6	3732446	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
1821	500108.5	3732442	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	9.99E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
1822	500099.3	3732438	6.50E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.79E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
1823	500090.2	3732434	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.60E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
1824	500081.1	3732431	6.25E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.41E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
1825	500072	3732427	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.21E-10	1.96E-09	0.00E+00	0.00E+00	2.89E-09
1826	500432.4	3732537	7.73E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.65E-09
1827	500439.8	3732543	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
1828	500447.1	3732550	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
1829	500454.5	3732556	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
1830	500461.9	3732563	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
1831	500469.3	3732569	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
1832	500476.7	3732576	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
1833	500498.8	3732596	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
1834	500506.2	3732602	7.39E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.49E-09
1835	500513.6	3732609	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
1836	500521	3732615	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
1837	500528.4	3732622	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
1838	500535.8	3732628	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
1839	500543.1	3732635	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
1840	500550.5	3732642	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
1841	500557.9	3732648	6.84E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
1842	500565.3	3732655	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
1843	500572.7	3732661	6.65E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.13E-09
1844	500580.1	3732668	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.85E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
1845	500587.4	3732674	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.70E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
1846	500594.8	3732681	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.54E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
1847	500602.2	3732688	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
1848	500609.6	3732694	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.21E-10	1.96E-09	0.00E+00	0.00E+00	2.89E-09
1849	500617	3732701	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.04E-10	1.93E-09	0.00E+00	0.00E+00	2.83E-09
1850	500624.4	3732707	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.87E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
1851	500631.8	3732714	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.70E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
1852	500639.1	3732720	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
1853	500646.5	3732727	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
1854	500653.9	3732733	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.19E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
1855	500661.3	3732740	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	8.02E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
1856	500668.7	3732747	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	7.84E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
1857	500676.1	3732753	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
1858	500683.4	3732760	4.98E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
1859	500690.8	3732766	4.87E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	7.33E-10	1.56E-09	0.00E+00	0.00E+00	2.30E-09
1860	500698.2	3732773	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	7.17E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
1861	500705.6	3732779	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
1862	500713	3732786	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
1863	500720.4	3732793	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
1864	500729.5	3732809	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
1865	500731.3	3732819	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
1866	500733	3732828	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	6.32E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
1867	500734.8	3732838	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
1868	500736.5	3732848	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
1869	500738.3	3732857	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.92E-09
1870	500740.1	3732867	4.01E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
1871	500741.8	3732877	3.97E-09	7.31E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.31E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
1872	500743.6	3732887	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
1873	500745.3	3732896	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
1874	500747.1	3732906	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
1875	500748.8	3732916	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
1876	500750.6	3732925	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
1877	500752.4	3732935	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
1878	500757.6	3732964	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
1879	500759.4	3732974	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
1880	500761.1	3732984	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
1881	500762.9	3732994	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
1882	500764.7	3733003	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
1883	500766.4	3733013	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
1884	500768.2	3733023	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
1885	500769.9	3733032	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
1886	500771.7	3733042	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
1887	500773.4	3733052	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.99E-10	0.00E+00	0.00E+00	1.47E-09
1888	500775.2	3733062	3.07E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	4.62E-10	9.85E-10	0.00E+00	0.00E+00	1.45E-09
1889	500777	3733071	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
1890	500778.7	3733081	2.98E-09	5.50E-09	0.00E+00	0.00E+00	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.50E-09	0.00E+00	0.00E+00	8.48E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
1891	500780.5	3733091	2.94E-09	5.42E-09	0.00E+00	0.00E+00	8.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.42E-09	0.00E+00	0.00E+00	8.36E-09	4.43E-10	9.44E-10	0.00E+00	0.00E+00	1.39E-09
1892	500782.2	3733100	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.37E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
1893	500784	3733110	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	4.31E-10	9.18E-10	0.00E+00	0.00E+00	1.35E-09
1894	500785.7	3733120	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	4.25E-10	9.06E-10	0.00E+00	0.00E+00	1.33E-09
1895	500787.5	3733130	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	4.19E-10	8.94E-10	0.00E+00	0.00E+00	1.31E-09
1896	500789.3	3733139	2.75E-09	5.06E-09	0.00E+00	0.00E+00	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.06E-09	0.00E+00	0.00E+00	7.81E-09	4.14E-10	8.82E-10	0.00E+00	0.00E+00	1.30E-09
1897	500791	3733149	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
1898	500792.8	3733159	2.68E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
1899	500794.5	3733169	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
1900	500796.3	3733178	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
1901	500798	3733188	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
1902	500425	3732530	7.73E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.65E-09
1903	500415.9	3732526	7.78E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
1904	500406.7	3732522	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
1905	500397.6	3732519	7.85E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.70E-09
1906	500388.5	3732515	7.87E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.71E-09
1907	500379.4	3732511	7.89E-09	1.46E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.46E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.72E-09
1908	500370.2	3732507	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
1909	500361.1	3732504	7.92E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
1910	500352	3732500	7.92E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
1911	500342.8	3732496	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
1912	500333.7	3732492	7.90E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
1913	500324.6	3732488	7.88E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
1914	500315.5	3732485	7.86E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.71E-09
1915	500306.3	3732481	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
1916	500297.2	3732477	7.79E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.68E-09
1917	500288.1	3732473	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
1918	500279	3732469	7.70E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
1919	500269.8	3732466	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
1920	500260.7	3732462	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
1921	500251.6	3732458	7.52E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
1922	500242.5	3732454	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.52E-09
1923	500233.3	3732450	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
1924	500196.8	3732435	7.04E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
1925	500187.7	3732431	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
1926	500178.6	3732428	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
1927	500169.4	3732424	6.75E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
1928	500160.3	3732420	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.13E-09
1929	500151.2	3732416	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
1930	500142.1	3732413	6.43E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	9.68E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
1931	500132.9	3732409	6.32E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	9.51E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
1932	500123.8	3732405	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	9.35E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
1933	500114.7	3732401	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.18E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
1934	500105.6	3732397	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.01E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
1935	500096.4	3732394	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.84E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
1936	500087.3	3732390	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.67E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
1937	500447.7	3732500	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.40E-09
1938	500455	3732506	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
1939	500462.3	3732513	7.19E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
1940	500469.6	3732519	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
1941	500477	3732526	7.15E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.37E-09
1942	500484.3	3732532	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
1943	500491.6	3732539	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
1944	500498.9	3732545	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
1945	500506.3	3732552	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.31E-09
1946	500513.6	3732558	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09

1947	500520.9	3732565	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
1948	500528.2	3732571	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.24E-09
1949	500550.2	3732591	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
1950	500557.5	3732597	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.97E-10	2.13E-09	0.00E+00	0.00E+00	3.12E-09
1951	500564.9	3732604	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.86E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
1952	500572.2	3732610	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.74E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
1953	500579.5	3732617	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.62E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
1954	500586.8	3732623	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.49E-10	2.03E-09	0.00E+00	0.00E+00	2.97E-09
1955	500594.2	3732630	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.36E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
1956	500601.5	3732636	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.23E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
1957	500608.8	3732643	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.09E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
1958	500616.1	3732649	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.95E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
1959	500623.5	3732656	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.81E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
1960	500630.8	3732662	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.66E-10	1.85E-09	0.00E+00	0.00E+00	2.71E-09
1961	500638.1	3732669	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.52E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
1962	500645.4	3732675	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
1963	500652.8	3732682	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
1964	500660.1	3732688	5.36E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	8.06E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
1965	500667.4	3732695	5.25E-09	9.69E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.69E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
1966	500674.7	3732701	5.15E-09	9.50E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.50E-09	0.00E+00	0.00E+00	1.46E-08	7.76E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
1967	500682.1	3732708	5.05E-09	9.31E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.31E-09	0.00E+00	0.00E+00	1.44E-08	7.60E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
1968	500689.4	3732714	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
1969	500696.7	3732721	4.85E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	7.30E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
1970	500704	3732727	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
1971	500711.4	3732734	4.65E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
1972	500718.7	3732740	4.54E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
1973	500726	3732747	4.45E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
1974	500733.3	3732753	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	6.54E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
1975	500740.7	3732760	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
1976	500748	3732766	4.15E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
1977	500755.3	3732773	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
1978	500764.4	3732789	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
1979	500766.1	3732799	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
1980	500767.9	3732808	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
1981	500769.6	3732818	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
1982	500771.4	3732828	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
1983	500773.1	3732837	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
1984	500774.8	3732847	3.69E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
1985	500776.6	3732857	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
1986	500778.3	3732866	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
1987	500780.1	3732876	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
1988	500781.8	3732886	3.52E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
1989	500783.6	3732895	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
1990	500785.3	3732905	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
1991	500787	3732915	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
1992	500788.8	3732924	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
1993	500790.5	3732934	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
1994	500797.5	3732972	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	4.71E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
1995	500799.2	3732982	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
1996	500801	3732992	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
1997	500802.7	3733001	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	4.53E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
1998	500804.5	3733011	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	4.47E-10	9.52E-10	0.00E+00	0.00E+00	1.40E-09
1999	500806.2	3733021	2.93E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	4.41E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
2000	500808	3733030	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	4.35E-10	9.27E-10	0.00E+00	0.00E+00	1.36E-09
2001	500809.7	3733040	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
2002	500811.4	3733050	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	4.23E-10	9.02E-10	0.00E+00	0.00E+00	1.33E-09
2003	500813.2	3733059	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09
2004	500814.9	3733069	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.78E-10	0.00E+00	0.00E+00	1.29E-09
2005	500816.7	3733078	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
2006	500818.4	3733088	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
2007	500820.2	3733098	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	3.96E-10	8.44E-10	0.00E+00	0.00E+00	1.24E-09
2008	500821.9	3733107	2.60E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.33E-10	0.00E+00	0.00E+00	1.22E-09
2009	500823.6	3733117	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	3.86E-10	8.23E-10	0.00E+00	0.00E+00	1.21E-09
2010	500825.4	3733127	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
2011	500827.1	3733136	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	3.76E-10	8.02E-10	0.00E+00	0.00E+00	1.18E-09
2012	500828.9	3733146	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	3.72E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
2013	500830.6	3733156	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	3.67E-10	7.83E-10	0.00E+00	0.00E+00	1.15E-09
2014	500832.4	3733165	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	3.54E-10	7.55E-10	0.00E+00	0.00E+00	1.11E-09
2015	500834.1	3733175	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	3.50E-10	7.46E-10	0.00E+00	0.00E+00	1.10E-09
2016	500835.8	3733185	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
2017	500837.6	3733194	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.50E-10	7.47E-10	0.00E+00	0.00E+00	1.10E-09
2018	500440.3	3732493	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.40E-09
2019	500431.2	3732489	7.24E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.41E-09
2020	500422.1	3732486	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.43E-09
2021	500412.9	3732482	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
2022	500403.8	3732478	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
2023	500394.7	3732474	7.33E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.46E-09
2024	500385.6	3732470	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.10E-09	2.36E-09	0.00E+00	0.00E+00	3.46E-09
2025	500376.4	3732467	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.46E-09
2026	500367.3	3732463	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.46E-09
2027	500358.2	3732459	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.10E-09	2.36E-09	0.00E+00	0.00E+00	3.46E-09
2028	500349.1	3732455	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
2029	500339.9	3732451	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
2030	500330.8	3732448	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
2031	500321.7	3732444	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
2032	500312.6	3732440	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.41E-09
2033	500303.4	3732436	7.19E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
2034	500294.3	3732432	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.08E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
2035	500285.2	3732429	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
2036	500276.1	3732425	7.04E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
2037	500266.9	3732421	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
2038	500230.4	3732406	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
2039	500193.9	3732391	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.62E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
2040	500184.8	3732387	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.48E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
2041	500175.7	3732383	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	9.35E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
2042	500166.5	3732379	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.21E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
2043	500157.4	3732376	6.02E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.07E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
2044	500148.3	3732372	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.92E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2045	500139.2	3732368	5.83E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
2046	500130	3732364	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.62E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
2047	500120.9	3732360	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
2048	500111.8	3732357	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.32E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
2049	500102.7	3732353	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
2050	500462.9	3732463	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
2051	500470.2	3732469	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
2052	500477.5	3732476	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
2053	500484.8	3732482	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
2054	500492	3732488	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
2055	500499.3	3732495	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.15E-09
2056	500506.6	3732501	6.65E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
2057	500513.9	3732508	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.97E-10	2.13E-09	0.00E+00	0.00E+00	3.12E-09
2058	500521.1	3732514	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.92E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
2059	500528.4	3732521	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.87E-10	2.11E-09	0.00E+00	0.00E+00	3.09E-09
2060	500535.7	3732527	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.81E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
2061	500543	3732534	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.74E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
2062	500550.2	3732540	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08	9.67E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
2063	500557.5	3732547	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.59E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
2064	500564.8	3732553	6.32E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	9.51E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
2065	500572	3732560	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.42E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
2066	500593.9	3732579	6.06E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.12E-10	1.95E-09	0.00E+00	0.00E+00	2.86E-09
2067	500601.1	3732585	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
2068	500608.4	3732592	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.90E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2069	500615.7	3732598	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
2070	500623	3732605	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.67E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
2071	500630.2	3732611	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
2072	500637.5	3732618	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2073	500644.8	3732624	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.30E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
2074	500652	3732631	5.42E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
2075	500659.3	3732637	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	8.04E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
2076	500666.6	3732644	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	7.90E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09

2077	500673.9	3732650	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
2078	500681.1	3732657	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	7.63E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
2079	500688.4	3732663	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
2080	500695.7	3732669	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
2081	500703	3732676	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
2082	500710.2	3732682	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2083	500717.5	3732689	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.95E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
2084	500724.8	3732695	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
2085	500732.1	3732702	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
2086	500739.3	3732708	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
2087	500746.6	3732715	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
2088	500753.9	3732721	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
2089	500761.1	3732728	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
2090	500768.4	3732734	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
2091	500775.7	3732741	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
2092	500783	3732747	3.82E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
2093	500790.2	3732753	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
2094	500799.2	3732770	3.62E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
2095	500801	3732779	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
2096	500802.7	3732789	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
2097	500804.4	3732798	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.97E-09	5.28E-10	1.13E-09	0.00E+00	0.00E+00	1.65E-09
2098	500806.2	3732808	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
2099	500807.9	3732817	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
2100	500809.6	3732827	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
2101	500811.4	3732837	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
2102	500813.1	3732846	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
2103	500814.8	3732856	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.34E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
2104	500816.6	3732865	3.25E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
2105	500818.3	3732875	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
2106	500820	3732884	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
2107	500821.7	3732894	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	4.71E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
2108	500823.5	3732904	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.66E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
2109	500825.2	3732913	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
2110	500826.9	3732923	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	4.54E-10	9.69E-10	0.00E+00	0.00E+00	1.42E-09
2111	500828.7	3732932	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
2112	500835.6	3732971	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.85E-10	0.00E+00	0.00E+00	1.30E-09
2113	500837.3	3732980	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	4.09E-10	8.73E-10	0.00E+00	0.00E+00	1.28E-09
2114	500839.1	3732990	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
2115	500840.8	3732999	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
2116	500842.5	3733009	2.61E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	3.94E-10	8.39E-10	0.00E+00	0.00E+00	1.23E-09
2117	500844.2	3733018	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
2118	500846	3733028	2.55E-09	4.69E-09	0.00E+00	0.00E+00	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.69E-09	0.00E+00	0.00E+00	7.24E-09	3.83E-10	8.18E-10	0.00E+00	0.00E+00	1.20E-09
2119	500847.7	3733038	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	3.78E-10	8.07E-10	0.00E+00	0.00E+00	1.19E-09
2120	500849.4	3733047	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	3.73E-10	7.97E-10	0.00E+00	0.00E+00	1.17E-09
2121	500851.2	3733057	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	3.69E-10	7.86E-10	0.00E+00	0.00E+00	1.15E-09
2122	500852.9	3733066	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.87E-09	3.64E-10	7.76E-10	0.00E+00	0.00E+00	1.14E-09
2123	500854.6	3733076	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	3.59E-10	7.66E-10	0.00E+00	0.00E+00	1.13E-09
2124	500856.4	3733085	2.36E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	3.55E-10	7.57E-10	0.00E+00	0.00E+00	1.11E-09
2125	500858.1	3733095	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.50E-10	7.47E-10	0.00E+00	0.00E+00	1.10E-09
2126	500859.8	3733105	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
2127	500861.6	3733114	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
2128	500863.3	3733124	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
2129	500865	3733133	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
2130	500866.7	3733143	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.24E-09	3.30E-10	7.04E-10	0.00E+00	0.00E+00	1.03E-09
2131	500868.5	3733152	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
2132	500870.2	3733162	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
2133	500871.9	3733172	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.04E-09	3.20E-10	6.82E-10	0.00E+00	0.00E+00	1.00E-09
2134	500873.7	3733181	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.76E-10	0.00E+00	0.00E+00	9.92E-10
2135	500875.4	3733191	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.82E-10
2136	500877.1	3733200	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.62E-10	0.00E+00	0.00E+00	9.72E-10
2137	500455.7	3732456	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
2138	500446.5	3732452	6.75E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
2139	500437.4	3732449	6.78E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
2140	500428.3	3732445	6.80E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.21E-09
2141	500419.2	3732441	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
2142	500410	3732437	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
2143	500400.9	3732433	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
2144	500391.8	3732430	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
2145	500382.7	3732426	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
2146	500373.5	3732422	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
2147	500327.9	3732403	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
2148	500318.8	3732399	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.15E-09
2149	500309.7	3732396	6.65E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.14E-09
2150	500300.5	3732392	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.94E-10	2.12E-09	0.00E+00	0.00E+00	3.12E-09
2151	500291.4	3732388	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.87E-10	2.11E-09	0.00E+00	0.00E+00	3.09E-09
2152	500282.3	3732384	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.80E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
2153	500273.1	3732380	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.71E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
2154	500264	3732377	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.63E-10	2.05E-09	0.00E+00	0.00E+00	3.02E-09
2155	500254.9	3732373	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.53E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
2156	500245.8	3732369	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
2157	500236.6	3732365	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
2158	500227.5	3732361	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.23E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
2159	500191	3732346	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.76E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
2160	500181.9	3732342	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
2161	500172.8	3732339	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
2162	500163.6	3732335	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
2163	500154.5	3732331	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
2164	500145.4	3732327	5.39E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
2165	500136.3	3732323	5.31E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	7.99E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
2166	500127.1	3732320	5.22E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
2167	500118	3732316	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
2168	500478.4	3732426	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.47E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
2169	500485.8	3732432	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.48E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
2170	500493.1	3732439	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.47E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
2171	500500.5	3732445	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.46E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
2172	500507.9	3732452	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.45E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
2173	500515.3	3732459	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.42E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
2174	500522.6	3732465	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.40E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
2175	500530	3732472	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.36E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
2176	500537.4	3732478	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.32E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
2177	500544.8	3732485	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
2178	500552.1	3732491	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.23E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
2179	500559.5	3732498	6.09E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.17E-10	1.96E-09	0.00E+00	0.00E+00	2.87E-09
2180	500566.9	3732504	6.05E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
2181	500574.3	3732511	6.00E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.04E-10	1.93E-09	0.00E+00	0.00E+00	2.83E-09
2182	500581.6	3732518	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
2183	500589	3732524	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
2184	500596.4	3732531	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
2185	500603.8	3732537	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
2186	500611.1	3732544	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.62E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
2187	500618.5	3732550	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
2188	500648	3732577	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
2189	500655.4	3732583	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	8.00E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
2190	500662.8	3732590	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2191	500670.1	3732596	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
2192	500677.5	3732603	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
2193	500684.9	3732609	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.53E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
2194	500692.3	3732616	4.92E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2195	500699.6	3732622	4.84E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
2196	500707	3732629	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
2197	500714.4	3732635	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
2198	500721.8	3732642	4.58E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	6.90E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
2199	500729.1	3732649	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2200	500736.5	3732655	4.41E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
2201	500743.9	3732662	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
2202	500751.3	3732668	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
2203	500758.6	3732675	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
2204	500766	3732681	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
2205	500773.4	3732688	4.00E-09	7.37E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.37E-09	0.00E+00	0.00E+00	1.14E-08	6.02E-10	1.28E-09	0.00E+00	0.00E+00	1.89E-09
2206	500780.8	3732694	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09

2207	500788.1	3732701	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	5.77E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
2208	500795.5	3732708	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
2209	500802.9	3732714	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
2210	500810.3	3732721	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
2211	500817.6	3732727	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
2212	500825	3732734	3.45E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
2213	500834.1	3732750	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
2214	500835.9	3732760	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
2215	500837.7	3732769	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.11E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
2216	500839.4	3732779	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
2217	500841.2	3732789	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.91E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
2218	500842.9	3732799	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	4.66E-10	9.95E-10	0.00E+00	0.00E+00	1.46E-09
2219	500844.7	3732808	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
2220	500846.4	3732818	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.60E-09	4.56E-10	9.72E-10	0.00E+00	0.00E+00	1.43E-09
2221	500848.2	3732828	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.60E-10	0.00E+00	0.00E+00	1.41E-09
2222	500849.9	3732837	2.95E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	4.45E-10	9.49E-10	0.00E+00	0.00E+00	1.39E-09
2223	500851.7	3732847	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	4.39E-10	9.37E-10	0.00E+00	0.00E+00	1.38E-09
2224	500853.5	3732857	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.20E-09	4.34E-10	9.26E-10	0.00E+00	0.00E+00	1.36E-09
2225	500855.2	3732867	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.14E-10	0.00E+00	0.00E+00	1.34E-09
2226	500857	3732876	2.81E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	4.23E-10	9.03E-10	0.00E+00	0.00E+00	1.33E-09
2227	500858.7	3732886	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
2228	500860.5	3732896	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
2229	500862.2	3732905	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
2230	500864	3732915	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	4.03E-10	8.59E-10	0.00E+00	0.00E+00	1.26E-09
2231	500865.7	3732925	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
2232	500867.5	3732935	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
2233	500874.5	3732973	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	3.73E-10	7.96E-10	0.00E+00	0.00E+00	1.17E-09
2234	500876.3	3732983	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	3.69E-10	7.86E-10	0.00E+00	0.00E+00	1.16E-09
2235	500878	3732993	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	3.64E-10	7.77E-10	0.00E+00	0.00E+00	1.14E-09
2236	500879.8	3733002	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	3.60E-10	7.67E-10	0.00E+00	0.00E+00	1.13E-09
2237	500881.5	3733012	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.57E-10	0.00E+00	0.00E+00	1.11E-09
2238	500883.3	3733022	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.51E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
2239	500885	3733032	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.39E-10	0.00E+00	0.00E+00	1.09E-09
2240	500886.8	3733041	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.30E-10	0.00E+00	0.00E+00	1.07E-09
2241	500888.6	3733051	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
2242	500890.3	3733061	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.12E-10	0.00E+00	0.00E+00	1.05E-09
2243	500892.1	3733070	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.04E-10	0.00E+00	0.00E+00	1.03E-09
2244	500893.8	3733080	2.17E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
2245	500895.6	3733090	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.87E-10	0.00E+00	0.00E+00	1.01E-09
2246	500897.3	3733100	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.98E-10
2247	500899.1	3733109	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
2248	500900.8	3733119	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.75E-10
2249	500902.6	3733129	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.56E-10	0.00E+00	0.00E+00	9.64E-10
2250	500904.3	3733138	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	3.04E-10	6.49E-10	0.00E+00	0.00E+00	9.54E-10
2251	500906.1	3733148	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.43E-10
2252	500907.9	3733158	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
2253	500909.6	3733168	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	2.95E-10	6.29E-10	0.00E+00	0.00E+00	9.23E-10
2254	500911.4	3733177	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	2.92E-10	6.22E-10	0.00E+00	0.00E+00	9.14E-10
2255	500913.1	3733187	1.92E-09	3.53E-09	0.00E+00	0.00E+00	5.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.53E-09	0.00E+00	0.00E+00	5.45E-09	2.89E-10	6.16E-10	0.00E+00	0.00E+00	9.05E-10
2256	500914.9	3733197	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	2.86E-10	6.10E-10	0.00E+00	0.00E+00	8.96E-10
2257	500916.6	3733206	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.87E-10
2258	500434.5	3732404	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.58E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
2259	500425.4	3732400	6.37E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.60E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
2260	500416.3	3732396	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
2261	500407.1	3732393	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
2262	500398	3732389	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.60E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
2263	500388.9	3732385	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.59E-10	2.05E-09	0.00E+00	0.00E+00	3.00E-09
2264	500379.8	3732381	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.57E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
2265	500370.6	3732378	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.55E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
2266	500361.5	3732374	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.52E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
2267	500352.4	3732370	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.48E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
2268	500343.2	3732366	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
2269	500334.1	3732362	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
2270	500325	3732359	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.34E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
2271	500315.9	3732355	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
2272	500306.7	3732351	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.22E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
2273	500297.6	3732347	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.15E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
2274	500288.5	3732343	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.08E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
2275	500279.4	3732340	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
2276	500270.2	3732336	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.92E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2277	500261.1	3732332	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.83E-10	1.88E-09	0.00E+00	0.00E+00	2.77E-09
2278	500252	3732328	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.74E-10	1.86E-09	0.00E+00	0.00E+00	2.74E-09
2279	500242.9	3732324	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.65E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
2280	500233.7	3732321	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
2281	500224.6	3732317	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.45E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
2282	500197.2	3732306	5.40E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
2283	500188.1	3732302	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
2284	500179	3732298	5.25E-09	9.67E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.67E-09	0.00E+00	0.00E+00	1.49E-08	7.90E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2285	500169.9	3732294	5.17E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	7.78E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
2286	500160.7	3732290	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	7.66E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
2287	500151.6	3732287	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	7.55E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
2288	500142.5	3732283	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
2289	500133.3	3732279	4.85E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	7.30E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
2290	500493.7	3732389	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2291	500501	3732395	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.90E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2292	500508.3	3732402	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2293	500530.3	3732421	5.89E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.86E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
2294	500537.6	3732428	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.84E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
2295	500545	3732434	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.81E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
2296	500552.3	3732441	5.83E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.78E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
2297	500559.6	3732447	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
2298	500566.9	3732454	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.70E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
2299	500574.3	3732460	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.66E-10	1.85E-09	0.00E+00	0.00E+00	2.71E-09
2300	500581.6	3732467	5.71E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.60E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
2301	500588.9	3732473	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
2302	500596.2	3732480	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
2303	500603.6	3732486	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2304	500610.9	3732493	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.35E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
2305	500618.2	3732499	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
2306	500625.5	3732506	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.20E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
2307	500632.9	3732512	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
2308	500640.2	3732519	5.33E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	8.03E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
2309	500647.5	3732526	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	7.94E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2310	500654.8	3732532	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
2311	500662.2	3732539	5.15E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	7.75E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
2312	500669.5	3732545	5.08E-09	9.37E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.37E-09	0.00E+00	0.00E+00	1.45E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
2313	500691.5	3732565	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
2314	500698.8	3732571	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
2315	500706.1	3732578	4.74E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	7.13E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2316	500713.4	3732584	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	7.02E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
2317	500720.8	3732591	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.30E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
2318	500728.1	3732597	4.51E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
2319	500735.4	3732604	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.43E-09	0.00E+00	0.00E+00	2.09E-09
2320	500742.7	3732610	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	6.57E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
2321	500750.1	3732617	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
2322	500757.4	3732623	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
2323	500764.7	3732630	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
2324	500772	3732636	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
2325	500779.4	3732643	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
2326	500786.7	3732649	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
2327	500794	3732656	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	5.77E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
2328	500801.3	3732662	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
2329	500808.7	3732669	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
2330	500816	3732675	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
2331	500823.3	3732682	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
2332	500830.6	3732688	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
2333	500838	3732695	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
2334	500845.3	3732701	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
2335	500852.6	3732708	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
2336	500859.9	3732714	3.13E-09	5.76E-09	0.00E+00	0.00E+00	8.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.76E-09	0.00E+00	0.00E+00	8.89E-09	4.71E-10	1.00E-09	0.00E+00	0.00E+00	1.48E-09

2337	500869	3732730	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	4.55E-10	9.70E-10	0.00E+00	0.00E+00	1.43E-09
2338	500870.8	3732740	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.60E-10	0.00E+00	0.00E+00	1.41E-09
2339	500872.5	3732750	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	4.45E-10	9.50E-10	0.00E+00	0.00E+00	1.40E-09
2340	500874.2	3732759	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	4.41E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
2341	500876	3732769	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
2342	500877.7	3732779	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	4.31E-10	9.20E-10	0.00E+00	0.00E+00	1.35E-09
2343	500879.5	3732788	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.06E-09	4.27E-10	9.10E-10	0.00E+00	0.00E+00	1.34E-09
2344	500881.2	3732798	2.80E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	4.22E-10	9.00E-10	0.00E+00	0.00E+00	1.32E-09
2345	500883	3732808	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09
2346	500884.7	3732817	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.13E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09
2347	500886.4	3732827	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
2348	500888.2	3732836	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
2349	500889.9	3732846	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	3.99E-10	8.50E-10	0.00E+00	0.00E+00	1.25E-09
2350	500891.7	3732856	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
2351	500893.4	3732865	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.31E-10	0.00E+00	0.00E+00	1.22E-09
2352	500895.2	3732875	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
2353	500896.9	3732885	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.18E-09	3.80E-10	8.11E-10	0.00E+00	0.00E+00	1.19E-09
2354	500898.6	3732894	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	3.76E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
2355	500900.4	3732904	2.47E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
2356	500902.1	3732914	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
2357	500903.9	3732923	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.73E-10	0.00E+00	0.00E+00	1.14E-09
2358	500905.6	3732933	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	3.58E-10	7.64E-10	0.00E+00	0.00E+00	1.12E-09
2359	500912.6	3732971	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	3.41E-10	7.28E-10	0.00E+00	0.00E+00	1.07E-09
2360	500914.3	3732981	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
2361	500916.1	3732991	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	3.33E-10	7.11E-10	0.00E+00	0.00E+00	1.04E-09
2362	500917.8	3733000	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
2363	500919.6	3733010	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	3.25E-10	6.94E-10	0.00E+00	0.00E+00	1.02E-09
2364	500921.3	3733020	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	3.21E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
2365	500924.8	3733039	2.09E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	3.14E-10	6.70E-10	0.00E+00	0.00E+00	9.84E-10
2366	500926.5	3733049	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.62E-10	0.00E+00	0.00E+00	9.72E-10
2367	500928.3	3733058	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.61E-10
2368	500930	3733068	2.02E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	3.03E-10	6.47E-10	0.00E+00	0.00E+00	9.51E-10
2369	500931.8	3733078	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.40E-10
2370	500933.5	3733087	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.97E-10	6.33E-10	0.00E+00	0.00E+00	9.29E-10
2371	500935.3	3733097	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
2372	500937	3733106	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
2373	500938.7	3733116	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	9.00E-10
2374	500940.5	3733126	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.90E-10
2375	500942.2	3733135	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	6.00E-10	0.00E+00	0.00E+00	8.81E-10
2376	500944	3733145	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.72E-10
2377	500945.7	3733155	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.75E-10	5.88E-10	0.00E+00	0.00E+00	8.63E-10
2378	500947.5	3733164	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.54E-10
2379	500949.2	3733174	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
2380	500950.9	3733184	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.71E-10	0.00E+00	0.00E+00	8.38E-10
2381	500952.7	3733193	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.30E-10
2382	500954.4	3733203	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.22E-10
2383	500956.2	3733213	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
2384	500486.4	3732382	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
2385	500477.2	3732379	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2386	500468.1	3732375	5.94E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	8.94E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
2387	500459	3732371	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
2388	500449.9	3732367	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.98E-10	1.92E-09	0.00E+00	0.00E+00	2.81E-09
2389	500440.7	3732363	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
2390	500431.6	3732360	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
2391	500422.5	3732356	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
2392	500413.4	3732352	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
2393	500404.2	3732348	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.98E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
2394	500395.1	3732344	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
2395	500386	3732341	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	8.94E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
2396	500376.8	3732337	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
2397	500367.7	3732333	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.87E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
2398	500358.6	3732329	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.84E-10	1.88E-09	0.00E+00	0.00E+00	2.77E-09
2399	500349.5	3732325	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
2400	500340.3	3732322	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
2401	500331.2	3732318	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.69E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
2402	500322.1	3732314	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
2403	500313	3732310	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.58E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
2404	500303.8	3732306	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
2405	500294.7	3732303	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.44E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2406	500285.6	3732299	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
2407	500276.5	3732295	5.51E-09	1.01E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.01E-08	0.00E+00	0.00E+00	1.57E-08	8.29E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
2408	500267.3	3732291	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
2409	500258.2	3732288	5.40E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
2410	500249.1	3732284	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	8.04E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
2411	500240	3732280	5.28E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	7.94E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2412	500230.8	3732276	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
2413	500194.3	3732261	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2414	500185.2	3732257	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
2415	500176.1	3732253	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.25E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
2416	500166.9	3732250	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
2417	500157.8	3732246	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
2418	500148.7	3732242	4.60E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
2419	500509	3732352	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
2420	500516.3	3732358	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
2421	500523.5	3732365	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
2422	500530.8	3732371	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
2423	500538.1	3732378	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
2424	500545.4	3732384	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.35E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
2425	500567.2	3732404	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.57E-08	8.29E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
2426	500589.1	3732423	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.18E-10	1.75E-09	0.00E+00	0.00E+00	2.56E-09
2427	500596.4	3732429	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	8.14E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
2428	500603.6	3732436	5.38E-09	9.91E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	9.91E-09	0.00E+00	0.00E+00	1.53E-08	8.09E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
2429	500610.9	3732442	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	8.04E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
2430	500618.2	3732449	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	7.98E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
2431	500625.5	3732455	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	7.92E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
2432	500632.8	3732462	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
2433	500640	3732468	5.18E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	7.79E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
2434	500647.3	3732475	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
2435	500654.6	3732481	5.08E-09	9.37E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.37E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
2436	500661.9	3732488	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
2437	500669.2	3732494	4.98E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
2438	500676.4	3732501	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2439	500683.7	3732507	4.86E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
2440	500691	3732514	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
2441	500698.3	3732520	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
2442	500705.6	3732527	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
2443	500712.8	3732533	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
2444	500742	3732559	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
2445	500749.3	3732565	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
2446	500756.5	3732572	4.22E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
2447	500763.8	3732578	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
2448	500771.1	3732585	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
2449	500778.4	3732591	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
2450	500785.7	3732598	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
2451	500792.9	3732604	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
2452	500800.2	3732611	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
2453	500807.5	3732617	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
2454	500814.8	3732624	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
2455	500822.1	3732630	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
2456	500829.3	3732636	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
2457	500836.6	3732643	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
2458	500843.9	3732649	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
2459	500851.2	3732656	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
2460	500858.5	3732662	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
2461	500865.7	3732669	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
2462	500873	3732675	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
2463	500880.3	3732682	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
2464	500887.6	3732688	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	4.45E-10	9.50E-10	0.00E+00	0.00E+00	1.39E-09
2465	500894.9	3732695	2.89E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
2466	500903.9	3732711	2.81E-09	5.17E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.17E-09	0.00E+00	0.00E+00	7.98E-09	4.23E-10	9.01E-10	0.00E+00	0.00E+00	1.32E-09

2467	500905.6	3732720	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.93E-10	0.00E+00	0.00E+00	1.31E-09
2468	500907.3	3732730	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	4.14E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
2469	500909.1	3732740	2.72E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	4.10E-10	8.75E-10	0.00E+00	0.00E+00	1.28E-09
2470	500910.8	3732749	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.66E-09	4.06E-10	8.66E-10	0.00E+00	0.00E+00	1.27E-09
2471	500912.5	3732759	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
2472	500914.3	3732768	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.50E-09	3.97E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
2473	500916	3732778	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.39E-10	0.00E+00	0.00E+00	1.23E-09
2474	500917.7	3732787	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.89E-10	8.30E-10	0.00E+00	0.00E+00	1.22E-09
2475	500919.5	3732797	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
2476	500921.2	3732807	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
2477	500922.9	3732816	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	3.76E-10	8.03E-10	0.00E+00	0.00E+00	1.18E-09
2478	500924.7	3732826	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	3.72E-10	7.94E-10	0.00E+00	0.00E+00	1.17E-09
2479	500926.4	3732835	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
2480	500928.1	3732845	2.42E-09	4.45E-09	0.00E+00	0.00E+00	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.45E-09	0.00E+00	0.00E+00	6.87E-09	3.64E-10	7.76E-10	0.00E+00	0.00E+00	1.14E-09
2481	500929.9	3732855	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	3.60E-10	7.67E-10	0.00E+00	0.00E+00	1.13E-09
2482	500931.6	3732864	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.11E-09
2483	500933.3	3732874	2.34E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.50E-10	0.00E+00	0.00E+00	1.10E-09
2484	500935.1	3732883	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.48E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
2485	500936.8	3732893	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
2486	500938.5	3732902	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.40E-10	7.24E-10	0.00E+00	0.00E+00	1.06E-09
2487	500940.3	3732912	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
2488	500942	3732922	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.08E-10	0.00E+00	0.00E+00	1.04E-09
2489	500943.7	3732931	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
2490	500950.7	3732970	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.92E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
2491	500952.4	3732979	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.70E-10
2492	500954.1	3732989	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	3.06E-10	6.53E-10	0.00E+00	0.00E+00	9.59E-10
2493	500955.9	3732998	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.48E-10
2494	500957.6	3733008	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.38E-10
2495	500959.3	3733017	1.97E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.27E-10
2496	500961.1	3733027	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.24E-10	0.00E+00	0.00E+00	9.17E-10
2497	500964.5	3733046	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	2.86E-10	6.11E-10	0.00E+00	0.00E+00	8.97E-10
2498	500966.3	3733056	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.87E-10
2499	500968	3733065	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.78E-10
2500	500969.7	3733075	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.91E-10	0.00E+00	0.00E+00	8.68E-10
2501	500971.5	3733085	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.59E-10
2502	500973.2	3733094	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
2503	500974.9	3733104	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	2.69E-10	5.73E-10	0.00E+00	0.00E+00	8.42E-10
2504	500976.7	3733113	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	2.66E-10	5.67E-10	0.00E+00	0.00E+00	8.33E-10
2505	500978.4	3733123	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	2.63E-10	5.62E-10	0.00E+00	0.00E+00	8.25E-10
2506	500980.1	3733132	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
2507	500981.8	3733142	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.09E-10
2508	500983.6	3733152	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	2.56E-10	5.45E-10	0.00E+00	0.00E+00	8.01E-10
2509	500985.3	3733161	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
2510	500987	3733171	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.86E-10
2511	500988.8	3733180	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	2.49E-10	5.30E-10	0.00E+00	0.00E+00	7.79E-10
2512	500990.5	3733190	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.26E-10	0.00E+00	0.00E+00	7.72E-10
2513	500992.2	3733200	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.65E-10
2514	500994	3733209	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.59E-10
2515	500995.7	3733219	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
2516	500501.7	3732345	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.35E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
2517	500492.6	3732342	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
2518	500483.5	3732338	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.40E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
2519	500474.3	3732334	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2520	500465.2	3732330	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.43E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2521	500456.1	3732326	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.44E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2522	500446.9	3732323	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.44E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2523	500437.8	3732319	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.44E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2524	500428.7	3732315	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.43E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2525	500419.6	3732311	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
2526	500410.4	3732307	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
2527	500401.3	3732304	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
2528	500392.2	3732300	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
2529	500383.1	3732296	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.33E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
2530	500373.9	3732292	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.29E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
2531	500364.8	3732288	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
2532	500355.7	3732285	5.45E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
2533	500346.6	3732281	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
2534	500337.4	3732277	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
2535	500328.3	3732273	5.35E-09	9.86E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.86E-09	0.00E+00	0.00E+00	1.52E-08	8.05E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
2536	500319.2	3732270	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	8.00E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
2537	500310.1	3732266	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2538	500300.9	3732262	5.23E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	7.87E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
2539	500291.8	3732258	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
2540	500282.7	3732254	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
2541	500273.6	3732251	5.08E-09	9.37E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.37E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
2542	500264.4	3732247	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
2543	500255.3	3732243	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
2544	500246.2	3732239	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2545	500237	3732235	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
2546	500227.9	3732232	4.80E-09	8.85E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.85E-09	0.00E+00	0.00E+00	1.37E-08	7.23E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
2547	500191.4	3732216	4.56E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	6.86E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
2548	500182.3	3732213	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2549	500173.2	3732209	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
2550	500164	3732205	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.57E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
2551	500524.4	3732315	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2552	500531.8	3732322	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2553	500539.2	3732328	5.24E-09	9.67E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.67E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2554	500546.5	3732335	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2555	500568.6	3732354	5.23E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	7.87E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2556	500576	3732361	5.22E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
2557	500583.4	3732367	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
2558	500590.7	3732374	5.18E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	7.81E-10	1.66E-09	0.00E+00	0.00E+00	2.45E-09
2559	500598.1	3732380	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	7.78E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
2560	500605.5	3732387	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
2561	500612.8	3732394	5.12E-09	9.43E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.43E-09	0.00E+00	0.00E+00	1.45E-08	7.70E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
2562	500620.2	3732400	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	7.66E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
2563	500649.7	3732426	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2564	500657	3732433	4.91E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2565	500664.4	3732439	4.87E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	7.34E-10	1.56E-09	0.00E+00	0.00E+00	2.30E-09
2566	500671.8	3732446	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
2567	500679.1	3732452	4.78E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	7.20E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
2568	500686.5	3732459	4.74E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	7.13E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2569	500693.9	3732466	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
2570	500701.3	3732472	4.63E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	6.98E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
2571	500708.6	3732479	4.58E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	6.90E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
2572	500716	3732485	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.45E-09	0.00E+00	0.00E+00	2.14E-09
2573	500723.4	3732492	4.47E-09	8.24E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.24E-09	0.00E+00	0.00E+00	1.27E-08	6.73E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
2574	500730.7	3732498	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
2575	500738.1	3732505	4.35E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
2576	500745.5	3732511	4.29E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2577	500752.8	3732518	4.23E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
2578	500760.2	3732524	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
2579	500767.6	3732531	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
2580	500789.7	3732551	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
2581	500797	3732557	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
2582	500804.4	3732564	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
2583	500811.8	3732570	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
2584	500819.1	3732577	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
2585	500826.5	3732583	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
2586	500833.9	3732590	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
2587	500841.2	3732596	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
2588	500848.6	3732603	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
2589	500856	3732610	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	5.05E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
2590	500863.3	3732616	3.25E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
2591	500870.7	3732623	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
2592	500878.1	3732629	3.12E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
2593	500885.5	3732636	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	4.59E-10	9.80E-10	0.00E+00	0.00E+00	1.44E-09
2594	500892.8	3732642	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.49E-09	4.50E-10	9.59E-10	0.00E+00	0.00E+00	1.41E-09
2595	500900.2	3732649	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	4.41E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
2596	500907.6	3732655	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.15E-09	4.32E-10	9.21E-10	0.00E+00	0.00E+00	1.35E-09

2597	500914.9	3732662	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	4.23E-10	9.02E-10	0.00E+00	0.00E+00	1.33E-09
2598	500922.3	3732669	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	4.14E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
2599	500929.7	3732675	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.66E-10	0.00E+00	0.00E+00	1.27E-09
2600	500938.8	3732691	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
2601	500940.5	3732701	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	3.90E-10	8.32E-10	0.00E+00	0.00E+00	1.22E-09
2602	500942.3	3732711	2.56E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09
2603	500944	3732720	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	3.82E-10	8.15E-10	0.00E+00	0.00E+00	1.20E-09
2604	500945.8	3732730	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	3.78E-10	8.07E-10	0.00E+00	0.00E+00	1.19E-09
2605	500947.5	3732740	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.07E-09	3.75E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
2606	500949.3	3732750	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	3.71E-10	7.91E-10	0.00E+00	0.00E+00	1.16E-09
2607	500951.1	3732759	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
2608	500952.8	3732769	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	3.63E-10	7.74E-10	0.00E+00	0.00E+00	1.14E-09
2609	500954.6	3732779	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	3.59E-10	7.66E-10	0.00E+00	0.00E+00	1.12E-09
2610	500956.3	3732788	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.58E-10	0.00E+00	0.00E+00	1.11E-09
2611	500958.1	3732798	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
2612	500959.8	3732808	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
2613	500961.6	3732817	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
2614	500963.3	3732827	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.06E-09
2615	500965.1	3732837	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.35E-09	3.36E-10	7.17E-10	0.00E+00	0.00E+00	1.05E-09
2616	500966.8	3732846	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
2617	500968.6	3732856	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.01E-10	0.00E+00	0.00E+00	1.03E-09
2618	500970.3	3732866	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	3.25E-10	6.93E-10	0.00E+00	0.00E+00	1.02E-09
2619	500972.1	3732876	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	3.21E-10	6.85E-10	0.00E+00	0.00E+00	1.01E-09
2620	500973.8	3732885	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.95E-10
2621	500975.6	3732895	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.83E-10
2622	500977.4	3732905	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.70E-10
2623	500979.1	3732914	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.57E-10
2624	500980.9	3732924	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.46E-10
2625	500982.6	3732934	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
2626	500989.6	3732973	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	2.87E-10	6.11E-10	0.00E+00	0.00E+00	8.98E-10
2627	500991.4	3732982	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.83E-10	6.05E-10	0.00E+00	0.00E+00	8.88E-10
2628	500993.1	3732992	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.78E-10
2629	500994.9	3733002	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.91E-10	0.00E+00	0.00E+00	8.68E-10
2630	501000.1	3733031	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
2631	501001.9	3733040	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.31E-10
2632	501003.7	3733050	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.22E-10
2633	501024.7	3733167	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.31E-10
2634	501028.2	3733186	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.19E-10
2635	501030	3733196	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.13E-10
2636	501031.7	3733205	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.82E-10	0.00E+00	0.00E+00	7.08E-10
2637	501033.5	3733215	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.03E-10
2638	501035.2	3733225	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.97E-10
2639	500517.1	3732308	5.23E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	7.87E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2640	500507.9	3732305	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2641	500498.8	3732301	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
2642	500489.7	3732297	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	7.92E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
2643	500480.5	3732293	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2644	500471.4	3732289	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	7.94E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2645	500462.3	3732286	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	7.94E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2646	500453.2	3732282	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	7.94E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2647	500444	3732278	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
2648	500434.9	3732274	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	7.92E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
2649	500425.8	3732271	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
2650	500416.7	3732267	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
2651	500407.5	3732263	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
2652	500398.4	3732259	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
2653	500389.3	3732255	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
2654	500380.2	3732252	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
2655	500371	3732248	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
2656	500361.9	3732244	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	7.68E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
2657	500352.8	3732240	5.07E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	7.64E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
2658	500343.7	3732236	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
2659	500334.5	3732233	5.00E-09	9.22E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.22E-09	0.00E+00	0.00E+00	1.42E-08	7.53E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
2660	500325.4	3732229	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.47E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2661	500316.3	3732225	4.92E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2662	500307.1	3732221	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
2663	500298	3732217	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	7.29E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
2664	500288.9	3732214	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
2665	500279.8	3732210	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
2666	500270.6	3732206	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2667	500261.5	3732202	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
2668	500252.4	3732198	4.60E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
2669	500243.3	3732195	4.55E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
2670	500234.1	3732191	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2671	500225	3732187	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.43E-09	0.00E+00	0.00E+00	2.09E-09
2672	500539.7	3732278	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
2673	500547	3732285	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2674	500569	3732304	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2675	500576.3	3732311	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2676	500583.7	3732317	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
2677	500591	3732324	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
2678	500598.3	3732330	4.92E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2679	500605.6	3732337	4.91E-09	9.05E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.05E-09	0.00E+00	0.00E+00	1.40E-08	7.39E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2680	500613	3732343	4.89E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	7.37E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
2681	500620.3	3732350	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	7.34E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
2682	500627.6	3732356	4.85E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	7.31E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
2683	500634.9	3732363	4.83E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
2684	500642.3	3732369	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
2685	500649.6	3732376	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	7.20E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
2686	500656.9	3732382	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
2687	500664.2	3732389	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2688	500671.6	3732395	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
2689	500678.9	3732402	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
2690	500700.9	3732421	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.45E-09	0.00E+00	0.00E+00	2.14E-09
2691	500708.2	3732428	4.48E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2692	500715.5	3732434	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.09E-09
2693	500722.9	3732441	4.39E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
2694	500730.2	3732447	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	6.54E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
2695	500737.5	3732454	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2696	500744.8	3732460	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
2697	500752.2	3732467	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	6.31E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
2698	500759.5	3732473	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
2699	500766.8	3732480	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
2700	500774.1	3732486	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
2701	500781.5	3732493	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
2702	500788.8	3732499	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
2703	500818.1	3732525	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
2704	500847.4	3732551	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.83E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
2705	500854.7	3732558	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
2706	500862	3732564	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
2707	500869.4	3732571	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.23E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
2708	500876.7	3732577	3.19E-09	5.87E-09	0.00E+00	0.00E+00	9.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.87E-09	0.00E+00	0.00E+00	9.06E-09	4.80E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
2709	500884	3732584	3.12E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
2710	500891.3	3732590	3.06E-09	5.65E-09	0.00E+00	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.65E-09	0.00E+00	0.00E+00	8.71E-09	4.61E-10	9.84E-10	0.00E+00	0.00E+00	1.44E-09
2711	500898.7	3732597	3.00E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	4.52E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
2712	500906	3732603	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
2713	500913.3	3732610	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	4.35E-10	9.28E-10	0.00E+00	0.00E+00	1.36E-09
2714	500920.6	3732616	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	4.27E-10	9.10E-10	0.00E+00	0.00E+00	1.34E-09
2715	500928	3732623	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.19E-10	8.93E-10	0.00E+00	0.00E+00	1.31E-09
2716	500935.3	3732629	2.73E-09	5.02E-09	0.00E+00	0.00E+00	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.02E-09	0.00E+00	0.00E+00	7.75E-09	4.10E-10	8.75E-10	0.00E+00	0.00E+00	1.29E-09
2717	500942.6	3732636	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	4.02E-10	8.58E-10	0.00E+00	0.00E+00	1.26E-09
2718	500949.9	3732642	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	3.94E-10	8.41E-10	0.00E+00	0.00E+00	1.24E-09
2719	500957.3	3732649	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.87E-10	8.25E-10	0.00E+00	0.00E+00	1.21E-09
2720	500964.6	3732656	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.09E-10	0.00E+00	0.00E+00	1.19E-09
2721	500973.7	3732672	2.44E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
2722	500975.4	3732681	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.89E-09	3.65E-10	7.78E-10	0.00E+00	0.00E+00	1.14E-09
2723	500977.1	3732691	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	3.61E-10	7.70E-10	0.00E+00	0.00E+00	1.13E-09
2724	500978.9	3732701	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	3.58E-10	7.63E-10	0.00E+00	0.00E+00	1.12E-09
2725	500980.6	3732710	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.69E-09	3.54E-10	7.55E-10	0.00E+00	0.00E+00	1.11E-09
2726	500982.4	3732720	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.50E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09

2727	500984.1	3732730	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
2728	500985.9	3732739	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.32E-10	0.00E+00	0.00E+00	1.08E-09
2729	500987.6	3732749	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.06E-09
2730	500989.3	3732758	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.35E-09	3.36E-10	7.17E-10	0.00E+00	0.00E+00	1.05E-09
2731	500991.1	3732768	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
2732	500992.8	3732778	2.18E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
2733	500994.6	3732787	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	3.25E-10	6.94E-10	0.00E+00	0.00E+00	1.02E-09
2734	500996.3	3732797	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
2735	500998.1	3732807	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.97E-10
2736	500999.8	3732816	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
2737	501001.5	3732826	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.75E-10
2738	501003.3	3732836	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.56E-10	0.00E+00	0.00E+00	9.64E-10
2739	501020.7	3732932	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.88E-10	0.00E+00	0.00E+00	8.64E-10
2740	501029.4	3732980	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	2.61E-10	5.58E-10	0.00E+00	0.00E+00	8.19E-10
2741	501031.2	3732990	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
2742	501039.9	3733038	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.24E-10	0.00E+00	0.00E+00	7.70E-10
2743	501041.6	3733048	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.43E-10	5.19E-10	0.00E+00	0.00E+00	7.63E-10
2744	501046.9	3733077	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.04E-10	0.00E+00	0.00E+00	7.41E-10
2745	501048.6	3733086	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.34E-10
2746	501050.3	3733096	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
2747	501052.1	3733106	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	2.30E-10	4.90E-10	0.00E+00	0.00E+00	7.20E-10
2748	501053.8	3733115	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.13E-10
2749	501055.6	3733125	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
2750	501057.3	3733135	1.48E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.00E-10
2751	501059.1	3733144	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.22E-10	4.73E-10	0.00E+00	0.00E+00	6.94E-10
2752	501060.8	3733154	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	2.20E-10	4.69E-10	0.00E+00	0.00E+00	6.88E-10
2753	501062.6	3733163	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.82E-10
2754	500532.4	3732271	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
2755	500523.3	3732268	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
2756	500514.1	3732264	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	7.47E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2757	500505	3732260	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2758	500495.9	3732256	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.60E-09	0.00E+00	0.00E+00	2.34E-09
2759	500486.8	3732253	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
2760	500477.6	3732249	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
2761	500468.5	3732245	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.60E-09	0.00E+00	0.00E+00	2.34E-09
2762	500459.4	3732241	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2763	500450.3	3732237	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	7.47E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
2764	500441.1	3732234	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
2765	500432	3732230	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
2766	500422.9	3732226	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
2767	500413.8	3732222	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.58E-09	0.00E+00	0.00E+00	2.31E-09
2768	500404.6	3732218	4.89E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
2769	500395.5	3732215	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
2770	500386.4	3732211	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	7.29E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
2771	500377.2	3732207	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.25E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
2772	500368.1	3732203	4.78E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	7.20E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
2773	500359	3732199	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	7.16E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
2774	500349.9	3732196	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2775	500340.7	3732192	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
2776	500331.6	3732188	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
2777	500322.5	3732184	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.95E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
2778	500194.7	3732131	3.95E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
2779	500568.2	3732258	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.23E-09
2780	500575.6	3732265	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2781	500582.9	3732271	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2782	500590.3	3732278	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.23E-09
2783	500597.7	3732284	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	7.09E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2784	500605.1	3732291	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2785	500612.4	3732297	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
2786	500619.8	3732304	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
2787	500627.2	3732311	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
2788	500634.5	3732317	4.65E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.49E-09	0.00E+00	0.00E+00	2.20E-09
2789	500641.9	3732324	4.64E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	6.98E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
2790	500649.3	3732330	4.62E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	6.95E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
2791	500656.6	3732337	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
2792	500664	3732343	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
2793	500671.4	3732350	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
2794	500678.8	3732356	4.51E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
2795	500686.1	3732363	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
2796	500693.5	3732369	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
2797	500700.9	3732376	4.42E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
2798	500708.2	3732383	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
2799	500715.6	3732389	4.34E-09	8.01E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	8.01E-09	0.00E+00	0.00E+00	1.23E-08	6.54E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
2800	500723	3732396	4.30E-09	7.93E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.93E-09	0.00E+00	0.00E+00	1.22E-08	6.48E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2801	500730.4	3732402	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
2802	500752.5	3732422	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.17E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
2803	500759.8	3732428	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
2804	500767.2	3732435	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
2805	500774.6	3732442	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
2806	500781.9	3732448	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
2807	500789.3	3732455	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
2808	500818.8	3732481	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
2809	500826.2	3732487	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
2810	500833.5	3732494	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
2811	500840.9	3732500	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
2812	500848.3	3732507	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
2813	500855.6	3732514	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
2814	500863	3732520	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
2815	500870.4	3732527	3.27E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
2816	500899.9	3732553	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.44E-09
2817	500907.2	3732559	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.49E-09	4.50E-10	9.59E-10	0.00E+00	0.00E+00	1.41E-09
2818	500914.6	3732566	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	4.42E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
2819	500922	3732572	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.18E-09	4.33E-10	9.24E-10	0.00E+00	0.00E+00	1.36E-09
2820	500929.3	3732579	2.82E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
2821	500936.7	3732586	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09
2822	500944.1	3732592	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	4.09E-10	8.73E-10	0.00E+00	0.00E+00	1.28E-09
2823	500951.5	3732599	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
2824	500958.8	3732605	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
2825	500966.2	3732612	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09
2826	500973.6	3732618	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
2827	500980.9	3732625	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	3.72E-10	7.93E-10	0.00E+00	0.00E+00	1.16E-09
2828	500988.3	3732631	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	3.64E-10	7.77E-10	0.00E+00	0.00E+00	1.14E-09
2829	500995.7	3732638	2.37E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	3.57E-10	7.62E-10	0.00E+00	0.00E+00	1.12E-09
2830	501022.3	3732751	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
2831	501024.1	3732761	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
2832	501025.9	3732771	2.04E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	3.07E-10	6.54E-10	0.00E+00	0.00E+00	9.61E-10
2833	501027.6	3732780	2.02E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	3.03E-10	6.47E-10	0.00E+00	0.00E+00	9.51E-10
2834	501029.4	3732790	1.99E-09	3.68E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.68E-09	0.00E+00	0.00E+00	5.67E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.41E-10
2835	501031.1	3732800	1.97E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.34E-10	0.00E+00	0.00E+00	9.31E-10
2836	501032.9	3732809	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.21E-10
2837	501034.6	3732819	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.11E-10
2838	501036.4	3732829	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
2839	501038.1	3732839	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.07E-10	0.00E+00	0.00E+00	8.92E-10
2840	501039.9	3732848	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.83E-10
2841	501041.6	3732858	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.73E-10
2842	501043.4	3732868	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.88E-10	0.00E+00	0.00E+00	8.64E-10
2843	501045.1	3732877	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.55E-10
2844	501046.9	3732887	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
2845	501092.5	3733139	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.47E-10	0.00E+00	0.00E+00	6.56E-10
2846	501103	3733198	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.77E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.25E-10
2847	501104.8	3733207	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.20E-10
2848	501106.5	3733217	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	1.96E-10	4.19E-10	0.00E+00	0.00E+00	6.15E-10
2849	500546.1	3732239	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2850	500537	3732235	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	7.09E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2851	500527.8	3732231	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2852	500518.7	3732227	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2853	500509.6	3732223	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2854	500500.5	3732220	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2855	500491.3	3732216	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2856	500482.2	3732212	4.72E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09

2857	500473.1	3732208	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
2858	500464	3732204	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	7.09E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2859	500454.8	3732201	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
2860	500445.7	3732197	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
2861	500436.6	3732193	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
2862	500427.5	3732189	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	7.02E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
2863	500418.3	3732185	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
2864	500409.2	3732182	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
2865	500290.6	3732132	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
2866	500281.4	3732129	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
2867	500272.3	3732125	4.12E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	6.20E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
2868	500263.2	3732121	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
2869	500567.1	3732212	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2870	500574.4	3732218	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2871	500581.7	3732225	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2872	500589	3732231	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
2873	500596.3	3732238	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
2874	500603.6	3732244	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2875	500610.9	3732251	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2876	500618.2	3732257	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2877	500625.5	3732264	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
2878	500632.8	3732270	4.47E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
2879	500640.1	3732277	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
2880	500647.4	3732283	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
2881	500654.7	3732290	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
2882	500662	3732296	4.42E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
2883	500669.3	3732303	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
2884	500676.6	3732309	4.38E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	6.59E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
2885	500683.9	3732316	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
2886	500691.2	3732322	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
2887	500698.5	3732329	4.30E-09	7.93E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.93E-09	0.00E+00	0.00E+00	1.22E-08	6.48E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2888	500705.8	3732335	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
2889	500713.1	3732342	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
2890	500720.4	3732348	4.22E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	6.35E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
2891	500727.7	3732355	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
2892	500735	3732361	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	6.24E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
2893	500742.3	3732368	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
2894	500749.6	3732374	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
2895	500756.9	3732381	4.03E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
2896	500764.2	3732387	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.14E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
2897	500771.5	3732394	3.95E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
2898	500778.7	3732400	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
2899	500786	3732407	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
2900	500815.2	3732432	3.69E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
2901	500822.5	3732439	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.03E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
2902	500829.8	3732445	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
2903	500837.1	3732452	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
2904	500844.4	3732458	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
2905	500851.7	3732465	3.44E-09	6.35E-09	0.00E+00	0.00E+00	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.35E-09	0.00E+00	0.00E+00	9.79E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.62E-09
2906	500859	3732471	3.39E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
2907	500866.3	3732478	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
2908	500873.6	3732484	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
2909	500880.9	3732491	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.22E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
2910	500888.2	3732497	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
2911	500895.5	3732504	3.12E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
2912	500902.8	3732510	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
2913	500910.1	3732517	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	4.53E-10	9.66E-10	0.00E+00	0.00E+00	1.42E-09
2914	500917.4	3732523	2.95E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	4.45E-10	9.49E-10	0.00E+00	0.00E+00	1.39E-09
2915	500924.7	3732530	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
2916	500946.6	3732549	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	4.14E-10	8.83E-10	0.00E+00	0.00E+00	1.30E-09
2917	500953.9	3732556	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.27E-09
2918	500961.2	3732562	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.52E-10	0.00E+00	0.00E+00	1.25E-09
2919	500968.5	3732569	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.36E-10	0.00E+00	0.00E+00	1.23E-09
2920	500975.8	3732575	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
2921	500983.1	3732582	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
2922	500990.4	3732588	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	3.71E-10	7.91E-10	0.00E+00	0.00E+00	1.16E-09
2923	500997.7	3732595	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.87E-09	3.64E-10	7.76E-10	0.00E+00	0.00E+00	1.14E-09
2924	501026.9	3732621	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.18E-10	0.00E+00	0.00E+00	1.06E-09
2925	501035.9	3732637	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
2926	501037.7	3732646	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.01E-09
2927	501039.4	3732656	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	3.21E-10	6.84E-10	0.00E+00	0.00E+00	1.01E-09
2928	501041.1	3732665	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
2929	501042.9	3732675	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
2930	501044.6	3732685	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.77E-10
2931	501046.3	3732694	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	3.09E-10	6.59E-10	0.00E+00	0.00E+00	9.67E-10
2932	501048.1	3732704	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.58E-10
2933	501049.8	3732714	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.49E-10
2934	501051.6	3732723	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.39E-10
2935	501053.3	3732733	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.33E-10	0.00E+00	0.00E+00	9.30E-10
2936	501055	3732742	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.21E-10
2937	501056.8	3732752	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.12E-10
2938	501058.5	3732762	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.03E-10
2939	501060.2	3732771	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.93E-10
2940	501062	3732781	1.87E-09	3.46E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.46E-09	0.00E+00	0.00E+00	5.33E-09	2.82E-10	6.02E-10	0.00E+00	0.00E+00	8.84E-10
2941	501063.7	3732790	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.79E-10	5.96E-10	0.00E+00	0.00E+00	8.75E-10
2942	501065.5	3732800	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
2943	501067.2	3732810	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
2944	501068.9	3732819	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.49E-10
2945	501070.7	3732829	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
2946	501072.4	3732838	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.66E-10	5.66E-10	0.00E+00	0.00E+00	8.32E-10
2947	501074.1	3732848	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.61E-10	0.00E+00	0.00E+00	8.23E-10
2948	501075.9	3732858	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
2949	501077.6	3732867	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.58E-10	5.49E-10	0.00E+00	0.00E+00	8.07E-10
2950	501079.3	3732877	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
2951	501138.4	3733204	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	1.88E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10
2952	501140.1	3733213	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.86E-10	3.97E-10	0.00E+00	0.00E+00	5.83E-10
2953	501141.9	3733223	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.79E-10
2954	501145.3	3733242	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.89E-10	0.00E+00	0.00E+00	5.71E-10
2955	500559.8	3732206	4.48E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
2956	500550.7	3732202	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2957	500541.5	3732198	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2958	500532.4	3732194	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
2959	500523.3	3732190	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
2960	500514.2	3732187	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
2961	500505	3732183	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
2962	500386.4	3732133	4.31E-09	7.94E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	7.94E-09	0.00E+00	0.00E+00	1.23E-08	6.49E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2963	500377.3	3732130	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
2964	500368.1	3732126	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
2965	500359	3732122	4.22E-09	7.78E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	7.78E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
2966	500349.9	3732118	4.19E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	6.31E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
2967	500340.8	3732115	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
2968	500331.6	3732111	4.12E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
2969	500322.5	3732107	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
2970	500313.4	3732103	4.05E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	6.10E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
2971	500304.3	3732099	4.01E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
2972	500295.1	3732096	3.97E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.28E-09	0.00E+00	0.00E+00	1.87E-09
2973	500286	3732092	3.93E-09	7.25E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.25E-09	0.00E+00	0.00E+00	1.12E-08	5.92E-10	1.26E-09	0.00E+00	0.00E+00	1.86E-09
2974	500276.9	3732088	3.89E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
2975	500267.8	3732084	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
2976	500258.6	3732080	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
2977	500588.2	3732186	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
2978	500595.5	3732192	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
2979	500602.9	3732199	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2980	500610.2	3732205	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2981	500617.5	3732212	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2982	500624.9	3732218	4.29E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
2983	500632.2	3732225	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
2984	500639.6	3732231	4.28E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
2985	500646.9	3732238	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
2986	500654.2	3732244	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	6.43E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09

2987	500661.6	3732251	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	6.41E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
2988	500668.9	3732257	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
2989	500676.3	3732264	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
2990	500683.6	3732270	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
2991	500691	3732277	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	6.31E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
2992	500698.3	3732283	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
2993	500705.6	3732290	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
2994	500713	3732296	4.13E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
2995	500720.3	3732303	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
2996	500727.7	3732310	4.08E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
2997	500735	3732316	4.05E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	6.09E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
2998	500742.3	3732323	4.02E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
2999	500749.7	3732329	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
3000	500757	3732336	3.95E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
3001	500764.4	3732342	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3002	500771.7	3732349	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	5.85E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
3003	500779	3732355	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.24E-09	0.00E+00	0.00E+00	1.81E-09
3004	500786.4	3732362	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
3005	500793.7	3732368	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3006	500815.7	3732388	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3007	500823.1	3732394	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3008	500830.4	3732401	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3009	500837.8	3732407	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
3010	500845.1	3732414	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.88E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
3011	500852.4	3732420	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
3012	500859.8	3732427	3.38E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	5.09E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
3013	500867.1	3732433	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3014	500874.5	3732440	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
3015	500881.8	3732446	3.25E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
3016	500889.2	3732453	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.09E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
3017	500896.5	3732460	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.91E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
3018	500903.8	3732466	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
3019	500911.2	3732473	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.56E-10	9.73E-10	0.00E+00	0.00E+00	1.43E-09
3020	500918.5	3732479	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
3021	500925.9	3732486	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	4.41E-10	9.41E-10	0.00E+00	0.00E+00	1.38E-09
3022	500933.2	3732492	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	4.34E-10	9.25E-10	0.00E+00	0.00E+00	1.36E-09
3023	500940.5	3732499	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	4.26E-10	9.10E-10	0.00E+00	0.00E+00	1.34E-09
3024	500947.9	3732505	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	4.19E-10	8.94E-10	0.00E+00	0.00E+00	1.31E-09
3025	500955.2	3732512	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
3026	500962.6	3732518	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	4.05E-10	8.63E-10	0.00E+00	0.00E+00	1.27E-09
3027	500969.9	3732525	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
3028	500977.2	3732531	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.33E-10	0.00E+00	0.00E+00	1.22E-09
3029	500991.9	3732544	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.04E-10	0.00E+00	0.00E+00	1.18E-09
3030	500999.3	3732551	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.89E-10	0.00E+00	0.00E+00	1.16E-09
3031	501028.6	3732577	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.34E-10	0.00E+00	0.00E+00	1.08E-09
3032	501036	3732583	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.20E-10	0.00E+00	0.00E+00	1.06E-09
3033	501043.3	3732590	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	3.31E-10	7.06E-10	0.00E+00	0.00E+00	1.04E-09
3034	501050.7	3732597	2.16E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	3.25E-10	6.92E-10	0.00E+00	0.00E+00	1.02E-09
3035	501058	3732603	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.97E-10
3036	501067.1	3732619	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	3.09E-10	6.60E-10	0.00E+00	0.00E+00	9.69E-10
3037	501068.8	3732629	2.04E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	3.07E-10	6.54E-10	0.00E+00	0.00E+00	9.61E-10
3038	501070.6	3732639	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.48E-10	0.00E+00	0.00E+00	9.52E-10
3039	501072.3	3732648	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.43E-10
3040	501074.1	3732658	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
3041	501075.8	3732668	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.26E-10
3042	501077.6	3732677	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.24E-10	0.00E+00	0.00E+00	9.17E-10
3043	501079.3	3732687	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.08E-10
3044	501081.1	3732697	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	8.99E-10
3045	501082.8	3732706	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.91E-10
3046	501084.5	3732716	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.82E-10
3047	501086.3	3732726	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.73E-10
3048	501088	3732735	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
3049	501089.8	3732745	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.56E-10
3050	501091.5	3732755	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.71E-10	5.77E-10	0.00E+00	0.00E+00	8.48E-10
3051	501093.3	3732764	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
3052	501095	3732774	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.65E-10	5.66E-10	0.00E+00	0.00E+00	8.31E-10
3053	501096.8	3732784	1.74E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.23E-10
3054	501098.5	3732793	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
3055	501100.3	3732803	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.07E-10
3056	501102	3732813	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
3057	501103.8	3732822	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.91E-10
3058	501105.5	3732832	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
3059	501107.3	3732841	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	2.47E-10	5.28E-10	0.00E+00	0.00E+00	7.75E-10
3060	501109	3732851	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	2.45E-10	5.23E-10	0.00E+00	0.00E+00	7.67E-10
3061	501110.8	3732861	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	2.43E-10	5.17E-10	0.00E+00	0.00E+00	7.60E-10
3062	500482.2	3732135	4.27E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
3063	500473.1	3732131	4.26E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	6.41E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
3064	500464	3732127	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
3065	500454.9	3732123	4.23E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
3066	500445.7	3732119	4.21E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
3067	500436.6	3732116	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	6.32E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
3068	500427.5	3732112	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
3069	500418.4	3732108	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
3070	500409.2	3732104	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
3071	500400.1	3732101	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
3072	500391	3732097	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
3073	500381.8	3732093	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
3074	500372.7	3732089	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
3075	500363.6	3732085	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.02E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
3076	500354.5	3732082	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.28E-09	0.00E+00	0.00E+00	1.87E-09
3077	500345.3	3732078	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
3078	500336.2	3732074	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3079	500327.1	3732070	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
3080	500318	3732066	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	5.78E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
3081	500308.8	3732063	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
3082	500299.7	3732059	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3083	500290.6	3732055	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3084	500281.5	3732051	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
3085	500272.3	3732047	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3086	500638.9	3732185	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
3087	500646.2	3732192	4.10E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
3088	500653.6	3732199	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
3089	500661	3732205	4.09E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	6.16E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
3090	500668.4	3732212	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
3091	500675.8	3732218	4.08E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
3092	500683.1	3732225	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
3093	500690.5	3732231	4.05E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	6.10E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
3094	500697.9	3732238	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
3095	500705.3	3732244	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
3096	500712.7	3732251	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
3097	500720.1	3732258	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
3098	500727.4	3732264	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
3099	500734.8	3732271	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
3100	500742.2	3732277	3.91E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3101	500749.6	3732284	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
3102	500757	3732290	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3103	500764.3	3732297	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	5.77E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
3104	500771.7	3732304	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
3105	500779.1	3732310	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3106	500786.5	3732317	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3107	500793.9	3732323	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
3108	500816	3732343	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3109	500823.4	3732349	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3110	500830.8	3732356	3.52E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
3111	500838.1	3732363	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.91E-09	5.25E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
3112	500845.5	3732369	3.44E-09	6.35E-09	0.00E+00	0.00E+00	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.35E-09	0.00E+00	0.00E+00	9.79E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.62E-09
3113	500852.9	3732376	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.68E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
3114	500860.3	3732382	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
3115	500867.7	3732389	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3116	500875.1	3732395	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09

3117	500882.4	3732402	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
3118	500889.8	3732408	3.19E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
3119	500897.2	3732415	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
3120	500904.6	3732422	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.66E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
3121	500912	3732428	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.66E-09	4.58E-10	9.78E-10	0.00E+00	0.00E+00	1.44E-09
3122	500919.3	3732435	3.00E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
3123	500926.7	3732441	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
3124	500934.1	3732448	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
3125	500941.5	3732454	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
3126	500948.9	3732461	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	4.23E-10	9.02E-10	0.00E+00	0.00E+00	1.33E-09
3127	500956.2	3732467	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.86E-09	4.16E-10	8.88E-10	0.00E+00	0.00E+00	1.30E-09
3128	500963.6	3732474	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	4.09E-10	8.73E-10	0.00E+00	0.00E+00	1.28E-09
3129	500971	3732481	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	4.02E-10	8.58E-10	0.00E+00	0.00E+00	1.26E-09
3130	500978.4	3732487	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	3.96E-10	8.44E-10	0.00E+00	0.00E+00	1.24E-09
3131	500985.8	3732494	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.89E-10	8.29E-10	0.00E+00	0.00E+00	1.22E-09
3132	500993.1	3732500	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	3.82E-10	8.15E-10	0.00E+00	0.00E+00	1.20E-09
3133	501000.5	3732507	2.49E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	3.76E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
3134	501007.9	3732513	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	3.69E-10	7.87E-10	0.00E+00	0.00E+00	1.16E-09
3135	501015.3	3732520	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	3.63E-10	7.73E-10	0.00E+00	0.00E+00	1.14E-09
3136	501022.7	3732527	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	3.56E-10	7.60E-10	0.00E+00	0.00E+00	1.12E-09
3137	501052.2	3732553	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	3.31E-10	7.06E-10	0.00E+00	0.00E+00	1.04E-09
3138	501059.6	3732559	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.13E-09	3.25E-10	6.93E-10	0.00E+00	0.00E+00	1.02E-09
3139	501067	3732566	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.98E-10
3140	501074.3	3732572	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
3141	501081.7	3732579	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
3142	501089.1	3732586	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.02E-10	6.43E-10	0.00E+00	0.00E+00	9.45E-10
3143	501098.2	3732602	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
3144	501100	3732612	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.11E-10
3145	501101.7	3732621	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.15E-10	0.00E+00	0.00E+00	9.03E-10
3146	501103.5	3732631	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.39E-09	2.86E-10	6.09E-10	0.00E+00	0.00E+00	8.95E-10
3147	501105.3	3732641	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.87E-10
3148	501107	3732650	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.79E-10
3149	501108.8	3732660	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.70E-10
3150	501110.5	3732670	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.62E-10
3151	501112.3	3732680	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.81E-10	0.00E+00	0.00E+00	8.54E-10
3152	501114	3732689	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
3153	501115.8	3732699	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.71E-10	0.00E+00	0.00E+00	8.38E-10
3154	501117.6	3732709	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.30E-10
3155	501119.3	3732718	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.60E-10	0.00E+00	0.00E+00	8.22E-10
3156	501121.1	3732728	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.54E-10	0.00E+00	0.00E+00	8.14E-10
3157	501122.8	3732738	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
3158	501124.6	3732748	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.98E-10
3159	501126.3	3732757	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.91E-10
3160	501128.1	3732767	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
3161	501129.8	3732777	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	2.47E-10	5.28E-10	0.00E+00	0.00E+00	7.75E-10
3162	501131.6	3732786	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	2.45E-10	5.23E-10	0.00E+00	0.00E+00	7.68E-10
3163	501133.4	3732796	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	2.43E-10	5.17E-10	0.00E+00	0.00E+00	7.60E-10
3164	501135.1	3732806	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
3165	501136.9	3732816	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
3166	501138.6	3732825	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.37E-10
3167	501140.4	3732835	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.30E-10
3168	501142.1	3732845	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.22E-10
3169	501143.9	3732854	1.52E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.15E-10
3170	501207.1	3733204	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.67E-10	3.57E-10	0.00E+00	0.00E+00	5.25E-10
3171	501208.9	3733214	1.10E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.55E-10	0.00E+00	0.00E+00	5.21E-10
3172	501210.6	3733224	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.18E-10
3173	501212.4	3733233	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.14E-10
3174	501214.2	3733243	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
3175	501215.9	3733253	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
3176	500568.9	3732132	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	6.16E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
3177	500559.8	3732128	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
3178	500550.7	3732124	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
3179	500541.6	3732121	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
3180	500532.4	3732117	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
3181	500523.3	3732113	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	6.16E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
3182	500514.2	3732109	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
3183	500505.1	3732105	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
3184	500495.9	3732102	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
3185	500486.8	3732098	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.15E-08	6.12E-10	1.30E-09	0.00E+00	0.00E+00	1.92E-09
3186	500477.7	3732094	4.05E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	6.10E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
3187	500468.6	3732090	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
3188	500459.4	3732086	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	6.06E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
3189	500450.3	3732083	4.01E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
3190	500441.2	3732079	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
3191	500432.1	3732075	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
3192	500422.9	3732071	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
3193	500413.8	3732068	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3194	500404.7	3732064	3.90E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3195	500395.5	3732060	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
3196	500386.4	3732056	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3197	500377.3	3732052	3.83E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	5.76E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
3198	500368.2	3732049	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
3199	500359	3732045	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3200	500349.9	3732041	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3201	500340.8	3732037	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
3202	500331.7	3732033	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
3203	500322.5	3732030	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3204	500313.4	3732026	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3205	500304.3	3732022	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3206	500295.2	3732018	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
3207	500286	3732014	3.50E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	5.28E-10	1.13E-09	0.00E+00	0.00E+00	1.65E-09
3208	500608.2	3732113	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3209	500615.5	3732120	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3210	500622.8	3732126	3.93E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3211	500630.2	3732133	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	5.92E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3212	500688.7	3732185	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
3213	500696	3732191	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3214	500703.3	3732198	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.85E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
3215	500710.6	3732204	3.88E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
3216	500717.9	3732211	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3217	500725.3	3732217	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.24E-09	0.00E+00	0.00E+00	1.81E-09
3218	500732.6	3732224	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	5.77E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
3219	500739.9	3732230	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
3220	500747.2	3732237	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
3221	500754.5	3732243	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3222	500761.8	3732250	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3223	500769.2	3732256	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3224	500776.5	3732263	3.70E-09	6.82E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.82E-09	0.00E+00	0.00E+00	1.05E-08	5.57E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
3225	500783.8	3732269	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
3226	500791.1	3732276	3.64E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3227	500820.4	3732302	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
3228	500827.7	3732308	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.92E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
3229	500835	3732315	3.46E-09	6.37E-09	0.00E+00	0.00E+00	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.37E-09	0.00E+00	0.00E+00	9.83E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
3230	500842.3	3732321	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
3231	500849.6	3732328	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
3232	500856.9	3732334	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	5.05E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
3233	500864.3	3732341	3.31E-09	6.11E-09	0.00E+00	0.00E+00	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.11E-09	0.00E+00	0.00E+00	9.42E-09	4.99E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3234	500871.6	3732347	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
3235	500878.9	3732354	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
3236	500886.2	3732360	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
3237	500893.5	3732367	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
3238	500900.8	3732373	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
3239	500908.2	3732380	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
3240	500915.5	3732386	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
3241	500922.8	3732393	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.60E-10	0.00E+00	0.00E+00	1.41E-09
3242	500930.1	3732399	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	4.43E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
3243	500937.4	3732406	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
3244	500944.7	3732412	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	4.30E-10	9.18E-10	0.00E+00	0.00E+00	1.35E-09
3245	500952	3732419	2.81E-09	5.19E-09	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.19E-09	0.00E+00	0.00E+00	8.00E-09	4.24E-10	9.04E-10	0.00E+00	0.00E+00	1.33E-09
3246	500959.4	3732425	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09

3247	500966.7	3732432	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.76E-10	0.00E+00	0.00E+00	1.29E-09
3248	500974	3732438	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
3249	500981.3	3732445	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
3250	500988.6	3732451	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.91E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
3251	500995.9	3732458	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
3252	501003.3	3732464	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
3253	501010.6	3732471	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	3.73E-10	7.95E-10	0.00E+00	0.00E+00	1.17E-09
3254	501017.9	3732477	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
3255	501025.2	3732484	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	3.60E-10	7.68E-10	0.00E+00	0.00E+00	1.13E-09
3256	501032.5	3732490	2.35E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	3.54E-10	7.55E-10	0.00E+00	0.00E+00	1.11E-09
3257	501039.8	3732497	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.58E-09	3.48E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
3258	501047.1	3732503	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.30E-10	0.00E+00	0.00E+00	1.07E-09
3259	501054.5	3732510	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
3260	501061.8	3732516	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.03E-10	0.00E+00	0.00E+00	1.03E-09
3261	501069.1	3732523	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.01E-09
3262	501076.4	3732529	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.97E-10
3263	501083.7	3732536	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.79E-10
3264	501120.3	3732568	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	2.86E-10	6.10E-10	0.00E+00	0.00E+00	8.97E-10
3265	501129.4	3732584	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.74E-10
3266	501131.1	3732594	1.84E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	2.76E-10	5.90E-10	0.00E+00	0.00E+00	8.66E-10
3267	501132.8	3732603	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
3268	501134.6	3732613	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
3269	501136.3	3732623	1.79E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.43E-10
3270	501138.1	3732632	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.35E-10
3271	501139.8	3732642	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.27E-10
3272	501141.5	3732652	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	2.61E-10	5.58E-10	0.00E+00	0.00E+00	8.19E-10
3273	501143.3	3732661	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
3274	501145	3732671	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
3275	501146.8	3732681	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.96E-10
3276	501148.5	3732690	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
3277	501150.2	3732700	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	2.49E-10	5.32E-10	0.00E+00	0.00E+00	7.81E-10
3278	501152	3732709	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.26E-10	0.00E+00	0.00E+00	7.73E-10
3279	501153.7	3732719	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.66E-10
3280	501155.5	3732729	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
3281	501157.2	3732738	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.11E-10	0.00E+00	0.00E+00	7.51E-10
3282	501159	3732748	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.44E-10
3283	501160.7	3732758	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
3284	501162.4	3732767	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.29E-10
3285	501164.2	3732777	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.23E-10
3286	501165.9	3732786	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.16E-10
3287	501167.7	3732796	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.09E-10
3288	501169.4	3732806	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.02E-10
3289	501171.1	3732815	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.96E-10
3290	501172.9	3732825	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.69E-10	0.00E+00	0.00E+00	6.89E-10
3291	501174.6	3732835	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.83E-10
3292	501176.4	3732844	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.77E-10
3293	501246	3733229	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.34E-10	0.00E+00	0.00E+00	4.90E-10
3294	501247.7	3733239	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	1.55E-10	3.32E-10	0.00E+00	0.00E+00	4.87E-10
3295	501249.5	3733249	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.84E-10
3296	501251.2	3733258	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.81E-10
3297	500600.9	3732107	3.90E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3298	500591.8	3732103	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
3299	500582.6	3732099	3.91E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3300	500573.5	3732095	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3301	500564.4	3732091	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3302	500555.3	3732088	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3303	500546.1	3732084	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3304	500537	3732080	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3305	500527.9	3732076	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3306	500518.8	3732072	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3307	500509.6	3732069	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3308	500500.5	3732065	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
3309	500491.4	3732061	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
3310	500482.3	3732057	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3311	500473.1	3732054	3.84E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
3312	500464	3732050	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-09	7.06E-09	0.00E+00	0.00E+00	1.09E-08	5.77E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
3313	500454.9	3732046	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
3314	500445.8	3732042	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
3315	500436.6	3732038	3.78E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	5.69E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3316	500427.5	3732035	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
3317	500418.4	3732031	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3318	500409.2	3732027	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
3319	500400.1	3732023	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
3320	500391	3732019	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
3321	500381.9	3732016	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3322	500372.7	3732012	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3323	500363.6	3732008	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3324	500354.5	3732004	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	5.35E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3325	500345.4	3732000	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
3326	500336.2	3731997	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
3327	500327.1	3731993	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
3328	500318	3731989	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
3329	500308.9	3731985	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
3330	500299.7	3731981	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.57E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
3331	500622	3732080	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3332	500629.3	3732087	3.75E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
3333	500636.7	3732093	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
3334	500644	3732100	3.76E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3335	500651.4	3732106	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3336	500658.7	3732113	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3337	500666.1	3732119	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3338	500673.4	3732126	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3339	500680.8	3732132	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3340	500739.6	3732185	3.70E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
3341	500747	3732191	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
3342	500754.3	3732198	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
3343	500761.7	3732204	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3344	500769	3732211	3.63E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3345	500776.4	3732217	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3346	500783.7	3732224	3.58E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3347	500791.1	3732230	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3348	500820.5	3732257	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.83E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
3349	500827.9	3732263	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
3350	500835.2	3732270	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
3351	500842.6	3732276	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.59E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
3352	500849.9	3732283	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
3353	500857.3	3732289	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3354	500864.6	3732296	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
3355	500872	3732302	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.22E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
3356	500879.3	3732309	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
3357	500886.7	3732315	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
3358	500894	3732322	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
3359	500901.4	3732328	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.98E-10	0.00E+00	0.00E+00	1.47E-09
3360	500908.7	3732335	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	4.62E-10	9.86E-10	0.00E+00	0.00E+00	1.45E-09
3361	500916.1	3732341	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	4.56E-10	9.73E-10	0.00E+00	0.00E+00	1.43E-09
3362	500923.4	3732348	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.60E-10	0.00E+00	0.00E+00	1.41E-09
3363	500930.8	3732355	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
3364	500938.2	3732361	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
3365	500945.5	3732368	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	4.32E-10	9.21E-10	0.00E+00	0.00E+00	1.35E-09
3366	500952.9	3732374	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
3367	500960.2	3732381	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.92E-09	4.19E-10	8.94E-10	0.00E+00	0.00E+00	1.31E-09
3368	500967.6	3732387	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
3369	500974.9	3732394	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.27E-09
3370	500982.3	3732400	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
3371	500989.6	3732407	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	3.95E-10	8.42E-10	0.00E+00	0.00E+00	1.24E-09
3372	500997	3732413	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.89E-10	8.29E-10	0.00E+00	0.00E+00	1.22E-09
3373	501004.3	3732420	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
3374	501011.7	3732426	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	3.76E-10	8.03E-10	0.00E+00	0.00E+00	1.18E-09
3375	501019	3732433	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	3.71E-10	7.90E-10	0.00E+00	0.00E+00	1.16E-09
3376	501026.4	3732440	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	3.65E-10	7.78E-10	0.00E+00	0.00E+00	1.14E-09

3377	501033.7	3732446	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	3.59E-10	7.65E-10	0.00E+00	0.00E+00	1.12E-09
3378	501041.1	3732453	2.34E-09	4.32E-09	0.00E+00	0.00E+00	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.32E-09	0.00E+00	0.00E+00	6.66E-09	3.53E-10	7.53E-10	0.00E+00	0.00E+00	1.11E-09
3379	501048.5	3732459	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
3380	501055.8	3732466	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.27E-10	0.00E+00	0.00E+00	1.07E-09
3381	501063.2	3732472	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
3382	501070.5	3732479	2.18E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
3383	501077.9	3732485	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.23E-10	6.90E-10	0.00E+00	0.00E+00	1.01E-09
3384	501085.2	3732492	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
3385	501092.6	3732498	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.12E-10	6.67E-10	0.00E+00	0.00E+00	9.79E-10
3386	501099.9	3732505	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
3387	501107.3	3732511	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.46E-10
3388	501114.6	3732518	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.97E-10	6.33E-10	0.00E+00	0.00E+00	9.30E-10
3389	501122	3732524	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	2.92E-10	6.22E-10	0.00E+00	0.00E+00	9.14E-10
3390	501129.3	3732531	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	2.87E-10	6.11E-10	0.00E+00	0.00E+00	8.98E-10
3391	501136.7	3732538	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.00E-10	0.00E+00	0.00E+00	8.82E-10
3392	501144.1	3732544	1.84E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.66E-10
3393	501151.4	3732551	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
3394	501164	3732586	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.13E-10
3395	501165.8	3732596	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
3396	501167.5	3732606	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
3397	501169.3	3732615	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.92E-10
3398	501171	3732625	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.85E-10
3399	501172.8	3732635	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	2.48E-10	5.29E-10	0.00E+00	0.00E+00	7.78E-10
3400	501174.5	3732644	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.25E-10	0.00E+00	0.00E+00	7.71E-10
3401	501176.3	3732654	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
3402	501178	3732664	1.60E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	2.42E-10	5.15E-10	0.00E+00	0.00E+00	7.57E-10
3403	501179.8	3732673	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.50E-10
3404	501181.5	3732683	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.43E-10
3405	501183.3	3732693	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
3406	501185	3732702	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.29E-10
3407	501186.8	3732712	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.23E-10
3408	501188.5	3732722	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.16E-10
3409	501190.3	3732731	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.09E-10
3410	501192	3732741	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.03E-10
3411	501193.8	3732751	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.96E-10
3412	501195.5	3732760	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.70E-10	0.00E+00	0.00E+00	6.90E-10
3413	501197.3	3732770	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.83E-10
3414	501199	3732780	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.77E-10
3415	501200.8	3732789	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	2.14E-10	4.57E-10	0.00E+00	0.00E+00	6.71E-10
3416	501202.5	3732799	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	2.12E-10	4.53E-10	0.00E+00	0.00E+00	6.65E-10
3417	501204.3	3732809	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.48E-10	0.00E+00	0.00E+00	6.59E-10
3418	501206	3732818	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.53E-10
3419	501207.8	3732828	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	2.06E-10	4.40E-10	0.00E+00	0.00E+00	6.47E-10
3420	501276	3733206	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
3421	501277.7	3733215	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
3422	501279.5	3733225	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.19E-10	0.00E+00	0.00E+00	4.68E-10
3423	501281.2	3733235	9.86E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	1.48E-10	3.17E-10	0.00E+00	0.00E+00	4.65E-10
3424	501283	3733244	9.79E-10	1.81E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-10	1.81E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.15E-10	0.00E+00	0.00E+00	4.62E-10
3425	501284.7	3733254	9.73E-10	1.79E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-10	1.79E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.59E-10
3426	501286.5	3733264	9.67E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.56E-10
3427	500614.6	3732074	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3428	500605.5	3732070	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3429	500596.3	3732066	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3430	500587.2	3732062	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3431	500578.1	3732058	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3432	500569	3732055	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3433	500559.8	3732051	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3434	500550.7	3732047	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
3435	500541.6	3732043	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3436	500532.5	3732039	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3437	500523.3	3732036	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3438	500514.2	3732032	3.71E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
3439	500505.1	3732028	3.70E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
3440	500496	3732024	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
3441	500486.8	3732021	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
3442	500477.7	3732017	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
3443	500468.6	3732013	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3444	500459.5	3732009	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
3445	500450.3	3732005	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3446	500441.2	3732002	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3447	500432.1	3731998	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3448	500422.9	3731994	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.35E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3449	500413.8	3731990	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
3450	500404.7	3731986	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.98E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
3451	500395.6	3731983	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.91E-09	5.25E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
3452	500386.4	3731979	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
3453	500377.3	3731975	3.44E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
3454	500368.2	3731971	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
3455	500359.1	3731967	3.38E-09	6.23E-09	0.00E+00	0.00E+00	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	6.23E-09	0.00E+00	0.00E+00	9.62E-09	5.09E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
3456	500349.9	3731964	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	5.05E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
3457	500340.8	3731960	3.32E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3458	500331.7	3731956	3.30E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
3459	500322.6	3731952	3.26E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
3460	500313.4	3731948	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
3461	500304.3	3731945	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.11E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
3462	500295.2	3731941	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
3463	500286.1	3731937	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
3464	500635.6	3732047	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3465	500642.9	3732054	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3466	500650.2	3732060	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3467	500657.5	3732067	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3468	500664.8	3732073	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3469	500672.1	3732079	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3470	500679.4	3732086	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3471	500686.6	3732092	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3472	500693.9	3732099	3.62E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3473	500701.2	3732105	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3474	500708.5	3732112	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3475	500715.8	3732118	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3476	500723.1	3732125	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.70E-09
3477	500730.4	3732131	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3478	500788.8	3732183	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
3479	500796.1	3732190	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.83E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
3480	500803.3	3732196	3.44E-09	6.34E-09	0.00E+00	0.00E+00	9.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.34E-09	0.00E+00	0.00E+00	9.78E-09	5.18E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
3481	500810.6	3732203	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.72E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
3482	500817.9	3732209	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
3483	500825.2	3732216	3.37E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
3484	500832.5	3732222	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
3485	500839.8	3732229	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.45E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3486	500847.1	3732235	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3487	500854.4	3732242	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
3488	500861.7	3732248	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.98E-09	0.00E+00	0.00E+00	9.22E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
3489	500869	3732254	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
3490	500876.3	3732261	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
3491	500883.6	3732267	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
3492	500890.9	3732274	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
3493	500898.2	3732280	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.83E-09	4.68E-10	9.98E-10	0.00E+00	0.00E+00	1.47E-09
3494	500905.5	3732287	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	4.62E-10	9.86E-10	0.00E+00	0.00E+00	1.45E-09
3495	500912.7	3732293	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	4.57E-10	9.75E-10	0.00E+00	0.00E+00	1.43E-09
3496	500920	3732300	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	4.52E-10	9.63E-10	0.00E+00	0.00E+00	1.41E-09
3497	500927.3	3732306	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	4.46E-10	9.51E-10	0.00E+00	0.00E+00	1.40E-09
3498	500934.6	3732313	2.93E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	4.40E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
3499	500941.9	3732319	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	4.35E-10	9.28E-10	0.00E+00	0.00E+00	1.36E-09
3500	500949.2	3732326	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.11E-09	4.29E-10	9.16E-10	0.00E+00	0.00E+00	1.34E-09
3501	500956.5	3732332	2.81E-09	5.19E-09	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.19E-09	0.00E+00	0.00E+00	8.00E-09	4.24E-10	9.03E-10	0.00E+00	0.00E+00	1.33E-09
3502	500963.8	3732339	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.91E-10	0.00E+00	0.00E+00	1.31E-09
3503	500971.1	3732345	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
3504	500978.4	3732352	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
3505	500985.7	3732358	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
3506	500993	3732365	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.46E-09	3.95E-10	8.42E-10	0.00E+00	0.00E+00	1.24E-09

3507	501000.3	3732371	2.59E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.30E-10	0.00E+00	0.00E+00	1.22E-09
3508	501007.6	3732378	2.55E-09	4.69E-09	0.00E+00	0.00E+00	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.69E-09	0.00E+00	0.00E+00	7.24E-09	3.84E-10	8.18E-10	0.00E+00	0.00E+00	1.20E-09
3509	501014.9	3732384	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.13E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
3510	501022.2	3732391	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	3.72E-10	7.94E-10	0.00E+00	0.00E+00	1.17E-09
3511	501029.4	3732397	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
3512	501036.7	3732404	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.70E-10	0.00E+00	0.00E+00	1.13E-09
3513	501044	3732410	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.58E-10	0.00E+00	0.00E+00	1.11E-09
3514	501051.3	3732416	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	3.49E-10	7.45E-10	0.00E+00	0.00E+00	1.09E-09
3515	501058.6	3732423	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
3516	501065.9	3732429	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
3517	501073.2	3732436	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
3518	501080.5	3732442	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.02E-09
3519	501087.8	3732449	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
3520	501095.1	3732455	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.75E-10	0.00E+00	0.00E+00	9.92E-10
3521	501102.4	3732462	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.76E-10
3522	501109.7	3732468	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	3.06E-10	6.53E-10	0.00E+00	0.00E+00	9.60E-10
3523	501117	3732475	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.43E-10	0.00E+00	0.00E+00	9.44E-10
3524	501124.3	3732481	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.28E-10
3525	501131.6	3732488	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.13E-10
3526	501138.8	3732494	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.41E-09	2.86E-10	6.11E-10	0.00E+00	0.00E+00	8.97E-10
3527	501146.1	3732501	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	6.00E-10	0.00E+00	0.00E+00	8.81E-10
3528	501153.4	3732507	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
3529	501160.7	3732514	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
3530	501168	3732520	1.77E-09	3.27E-09	0.00E+00	0.00E+00	5.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.27E-09	0.00E+00	0.00E+00	5.04E-09	2.67E-10	5.69E-10	0.00E+00	0.00E+00	8.36E-10
3531	501175.3	3732527	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.60E-10	0.00E+00	0.00E+00	8.22E-10
3532	501182.6	3732533	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.08E-10
3533	501191.6	3732549	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
3534	501193.4	3732559	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	2.49E-10	5.32E-10	0.00E+00	0.00E+00	7.82E-10
3535	501195.1	3732568	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	2.47E-10	5.28E-10	0.00E+00	0.00E+00	7.75E-10
3536	501198.6	3732588	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.19E-10	0.00E+00	0.00E+00	7.62E-10
3537	501200.3	3732597	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.55E-10
3538	501202	3732607	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.49E-10
3539	501203.8	3732616	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
3540	501205.5	3732626	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
3541	501207.3	3732636	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.29E-10
3542	501209	3732645	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.23E-10
3543	501210.7	3732655	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.17E-10
3544	501212.5	3732664	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.10E-10
3545	501214.2	3732674	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	2.25E-10	4.79E-10	0.00E+00	0.00E+00	7.04E-10
3546	501215.9	3732684	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.98E-10
3547	501217.7	3732693	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.91E-10
3548	501219.4	3732703	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	2.19E-10	4.66E-10	0.00E+00	0.00E+00	6.85E-10
3549	501221.1	3732712	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	2.17E-10	4.62E-10	0.00E+00	0.00E+00	6.79E-10
3550	501222.9	3732722	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.73E-10
3551	501224.6	3732732	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.67E-10
3552	501226.3	3732741	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.50E-10	0.00E+00	0.00E+00	6.61E-10
3553	501228.1	3732751	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.55E-10
3554	501229.8	3732760	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.49E-10
3555	501231.6	3732770	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	2.05E-10	4.38E-10	0.00E+00	0.00E+00	6.44E-10
3556	501233.3	3732780	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.04E-10	4.34E-10	0.00E+00	0.00E+00	6.38E-10
3557	501235	3732789	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.30E-10	0.00E+00	0.00E+00	6.32E-10
3558	501236.8	3732799	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.27E-10
3559	501238.5	3732808	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.23E-10	0.00E+00	0.00E+00	6.21E-10
3560	501240.2	3732818	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	1.97E-10	4.19E-10	0.00E+00	0.00E+00	6.16E-10
3561	501311.4	3733212	9.50E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	1.43E-10	3.05E-10	0.00E+00	0.00E+00	4.48E-10
3562	501313.1	3733221	9.44E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	1.42E-10	3.03E-10	0.00E+00	0.00E+00	4.45E-10
3563	501314.9	3733231	9.38E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.41E-10	3.01E-10	0.00E+00	0.00E+00	4.43E-10
3564	501316.6	3733241	9.33E-10	1.72E-09	0.00E+00	0.00E+00	2.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-10	1.72E-09	0.00E+00	0.00E+00	2.65E-09	1.40E-10	3.00E-10	0.00E+00	0.00E+00	4.40E-10
3565	501318.3	3733250	9.27E-10	1.71E-09	0.00E+00	0.00E+00	2.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-10	1.71E-09	0.00E+00	0.00E+00	2.64E-09	1.40E-10	2.98E-10	0.00E+00	0.00E+00	4.37E-10
3566	501320.1	3733260	9.22E-10	1.70E-09	0.00E+00	0.00E+00	2.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-10	1.70E-09	0.00E+00	0.00E+00	2.62E-09	1.39E-10	2.96E-10	0.00E+00	0.00E+00	4.35E-10
3567	501321.8	3733269	9.16E-10	1.69E-09	0.00E+00	0.00E+00	2.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-10	1.69E-09	0.00E+00	0.00E+00	2.61E-09	1.38E-10	2.94E-10	0.00E+00	0.00E+00	4.32E-10
3568	500628.3	3732041	3.58E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3569	500619.2	3732037	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3570	500610	3732033	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3571	500600.9	3732029	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3572	500591.8	3732025	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.70E-09
3573	500582.7	3732022	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3574	500573.5	3732018	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3575	500564.4	3732014	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3576	500555.3	3732010	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3577	500546.2	3732006	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3578	500537	3732003	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
3579	500527.9	3731999	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3580	500518.8	3731995	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
3581	500509.7	3731991	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
3582	500500.5	3731988	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
3583	500491.4	3731984	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.99E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
3584	500482.3	3731980	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
3585	500473.2	3731976	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
3586	500464	3731972	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
3587	500454.9	3731969	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
3588	500445.8	3731965	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
3589	500436.7	3731961	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
3590	500427.5	3731957	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
3591	500418.4	3731953	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
3592	500409.3	3731950	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
3593	500400.1	3731946	3.32E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3594	500391	3731942	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3595	500381.9	3731938	3.27E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
3596	500372.8	3731934	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
3597	500363.6	3731931	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	4.85E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
3598	500354.5	3731927	3.20E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
3599	500345.4	3731923	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
3600	500336.3	3731919	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
3601	500327.1	3731916	3.11E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	4.69E-10	9.99E-10	0.00E+00	0.00E+00	1.47E-09
3602	500318	3731912	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
3603	500308.9	3731908	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
3604	500299.8	3731904	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
3605	500290.6	3731900	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
3606	499844.3	3732910	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.68E-08	2.48E-09	5.28E-09	0.00E+00	0.00E+00	7.76E-09
3607	499853.7	3732909	1.76E-08	3.24E-08	0.00E+00	0.00E+00	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.24E-08	0.00E+00	0.00E+00	5.00E-08	2.65E-09	5.64E-09	0.00E+00	0.00E+00	8.29E-09
3608	499863.1	3732908	1.87E-08	3.46E-08	0.00E+00	0.00E+00	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.46E-08	0.00E+00	0.00E+00	5.33E-08	2.82E-09	6.02E-09	0.00E+00	0.00E+00	8.84E-09
3609	499814.5	3732895	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
3610	499823.9	3732894	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	1.98E-09	4.22E-09	0.00E+00	0.00E+00	6.20E-09
3611	499833.3	3732893	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	2.10E-09	4.47E-09	0.00E+00	0.00E+00	6.56E-09
3612	499842.6	3732892	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.19E-08	2.22E-09	4.74E-09	0.00E+00	0.00E+00	6.96E-09
3613	499852	3732891	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.45E-08	2.35E-09	5.02E-09	0.00E+00	0.00E+00	7.38E-09
3614	499861.4	3732890	1.66E-08	3.05E-08	0.00E+00	0.00E+00	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	3.05E-08	0.00E+00	0.00E+00	4.71E-08	2.49E-09	5.32E-09	0.00E+00	0.00E+00	7.81E-09
3615	499870.8	3732889	1.75E-08	3.23E-08	0.00E+00	0.00E+00	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	3.23E-08	0.00E+00	0.00E+00	4.98E-08	2.64E-09	5.63E-09	0.00E+00	0.00E+00	8.26E-09
3616	499803.4	3732878	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.13E-09
3617	499812.8	3732877	1.14E-08	2.11E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.11E-08	0.00E+00	0.00E+00	3.25E-08	1.72E-09	3.67E-09	0.00E+00	0.00E+00	5.40E-09
3618	499822.2	3732876	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.87E-09	0.00E+00	0.00E+00	5.68E-09
3619	499831.6	3732875	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.08E-09	0.00E+00	0.00E+00	5.99E-09
3620	499840.9	3732875	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.80E-08	2.01E-09	4.30E-09	0.00E+00	0.00E+00	6.31E-09
3621	499850.3	3732874	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.01E-08	2.12E-09	4.53E-09	0.00E+00	0.00E+00	6.65E-09
3622	499859.7	3732873	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	2.24E-09	4.77E-09	0.00E+00	0.00E+00	7.01E-09
3623	499869.1	3732872	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.45E-08	2.35E-09	5.02E-09	0.00E+00	0.00E+00	7.38E-09
3624	499878.4	3732871	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	2.47E-09	5.27E-09	0.00E+00	0.00E+00	7.75E-09
3625	499774	3732879	9.32E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
3626	499778.5	3732871	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
3627	499792.3	3732862	9.67E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.10E-09	0.00E+00	0.00E+00	4.56E-09
3628	499801.7	3732861	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.88E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.77E-09
3629	499811.1	3732860	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.60E-09	3.40E-09	0.00E+00	0.00E+00	5.00E-09
3630	499820.5	3732859	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
3631	499829.8	3732858	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.74E-09	0.00E+00	0.00E+00	5.50E-09
3632	499839.2	3732857	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.77E-09
3633	499848.6	3732856	1.28E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	1.93E-09	4.13E-09	0.00E+00	0.00E+00	6.06E-09
3634	499858	3732855	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.36E-09
3635	499867.4	3732854	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.02E-08	2.13E-09	4.54E-09	0.00E+00	0.00E+00	6.66E-09
3636	499876.7	3732853	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.20E-08	2.23E-09	4.75E-09	0.00E+00	0.00E+00	6.97E-09

3637	499886.1	3732852	1.54E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	2.33E-09	4.96E-09	0.00E+00	0.00E+00	7.29E-09
3638	499758.5	3732871	8.42E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.27E-09	2.70E-09	0.00E+00	0.00E+00	3.97E-09
3639	499763	3732862	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.96E-09
3640	499767.4	3732854	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.94E-09
3641	499781.2	3732845	8.68E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.09E-09
3642	499790.6	3732844	9.05E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.91E-09	0.00E+00	0.00E+00	4.27E-09
3643	499800	3732843	9.44E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.46E-09
3644	499809.4	3732842	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
3645	499818.8	3732841	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.86E-09
3646	499828.1	3732840	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
3647	499837.5	3732839	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.62E-09	0.00E+00	0.00E+00	5.32E-09
3648	499846.9	3732839	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.78E-09	3.79E-09	0.00E+00	0.00E+00	5.56E-09
3649	499856.3	3732838	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.96E-09	0.00E+00	0.00E+00	5.82E-09
3650	499865.7	3732837	1.29E-08	2.37E-08	0.00E+00	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.37E-08	0.00E+00	0.00E+00	3.66E-08	1.94E-09	4.14E-09	0.00E+00	0.00E+00	6.08E-09
3651	499875	3732836	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
3652	499884.4	3732835	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.98E-08	2.11E-09	4.50E-09	0.00E+00	0.00E+00	6.61E-09
3653	499893.8	3732834	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.68E-09	0.00E+00	0.00E+00	6.88E-09
3654	499743	3732862	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
3655	499747.4	3732854	7.64E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
3656	499751.9	3732846	7.62E-09	1.40E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-09	1.40E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.59E-09
3657	499756.3	3732837	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
3658	499770.2	3732828	7.86E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.71E-09
3659	499779.5	3732827	8.17E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
3660	499788.9	3732826	8.50E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
3661	499798.3	3732826	8.85E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	1.33E-09	2.84E-09	0.00E+00	0.00E+00	4.17E-09
3662	499807.7	3732825	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
3663	499817.1	3732824	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.53E-09
3664	499826.4	3732823	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.72E-09
3665	499835.8	3732822	1.04E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.93E-09
3666	499845.2	3732821	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
3667	499854.6	3732820	1.14E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	1.71E-09	3.65E-09	0.00E+00	0.00E+00	5.36E-09
3668	499864	3732819	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	1.78E-09	3.80E-09	0.00E+00	0.00E+00	5.58E-09
3669	499873.3	3732818	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	1.85E-09	3.96E-09	0.00E+00	0.00E+00	5.81E-09
3670	499882.7	3732817	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	1.93E-09	4.11E-09	0.00E+00	0.00E+00	6.04E-09
3671	499892.1	3732816	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.78E-08	2.00E-09	4.27E-09	0.00E+00	0.00E+00	6.28E-09
3672	499901.5	3732816	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	2.08E-09	4.43E-09	0.00E+00	0.00E+00	6.51E-09
3673	499727.4	3732854	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
3674	499731.9	3732846	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
3675	499736.3	3732837	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
3676	499740.8	3732829	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.28E-09
3677	499745.2	3732821	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
3678	499759.1	3732812	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
3679	499768.5	3732811	7.43E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
3680	499777.8	3732810	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
3681	499787.2	3732809	8.01E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
3682	499796.6	3732808	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
3683	499806	3732807	8.64E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.08E-09
3684	499815.3	3732806	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.89E-09	0.00E+00	0.00E+00	4.24E-09
3685	499824.7	3732805	9.35E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.00E-09	0.00E+00	0.00E+00	4.41E-09
3686	499834.1	3732804	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.59E-09
3687	499843.5	3732803	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.88E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.77E-09
3688	499852.9	3732803	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	1.58E-09	3.38E-09	0.00E+00	0.00E+00	4.96E-09
3689	499862.2	3732802	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.51E-09	0.00E+00	0.00E+00	5.16E-09
3690	499871.6	3732801	1.14E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	1.71E-09	3.65E-09	0.00E+00	0.00E+00	5.36E-09
3691	499881	3732800	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.78E-09	3.79E-09	0.00E+00	0.00E+00	5.56E-09
3692	499890.4	3732799	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.77E-09
3693	499899.8	3732798	1.27E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	1.91E-09	4.06E-09	0.00E+00	0.00E+00	5.97E-09
3694	499909.1	3732797	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.17E-09
3695	499710.5	3732848	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
3696	499715.2	3732840	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.71E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
3697	499719.8	3732831	6.43E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.69E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
3698	499724.5	3732822	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.66E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
3699	499729.2	3732813	6.40E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.64E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
3700	499733.9	3732805	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
3701	499748.5	3732795	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.92E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
3702	499758.4	3732794	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
3703	499768.2	3732793	7.08E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	1.07E-09	2.27E-09	0.00E+00	0.00E+00	3.34E-09
3704	499778.1	3732792	7.35E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
3705	499788	3732791	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
3706	499797.8	3732790	7.93E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.55E-09	0.00E+00	0.00E+00	3.74E-09
3707	499807.7	3732789	8.24E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.89E-09
3708	499817.6	3732788	8.57E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
3709	499827.5	3732787	8.91E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.20E-09
3710	499837.3	3732786	9.27E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.37E-09
3711	499847.2	3732785	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
3712	499857.1	3732784	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.73E-09
3713	499867	3732783	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.91E-09
3714	499876.8	3732782	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.10E-09
3715	499886.7	3732781	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	1.69E-09	3.60E-09	0.00E+00	0.00E+00	5.29E-09
3716	499896.6	3732781	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.48E-09
3717	499906.4	3732780	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.67E-09
3718	499916.3	3732779	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
3719	499689.4	3732832	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.66E-10	1.85E-09	0.00E+00	0.00E+00	2.71E-09
3720	499694	3732823	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.65E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
3721	499698.7	3732814	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.63E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
3722	499703.3	3732806	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
3723	499708	3732797	5.71E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
3724	499712.7	3732788	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
3725	499717.3	3732780	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
3726	499731.8	3732770	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
3727	499741.6	3732769	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.09E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
3728	499751.4	3732768	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.40E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
3729	499761.2	3732767	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.72E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
3730	499771	3732766	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.14E-09	0.00E+00	0.00E+00	3.15E-09
3731	499780.8	3732765	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
3732	499790.6	3732764	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
3733	499800.4	3732763	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
3734	499810.2	3732762	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
3735	499820	3732761	7.97E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
3736	499829.8	3732760	8.27E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.90E-09
3737	499839.6	3732759	8.57E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
3738	499849.5	3732759	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
3739	499859.3	3732758	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.34E-09
3740	499869.1	3732757	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.44E-09	3.06E-09	0.00E+00	0.00E+00	4.50E-09
3741	499878.9	3732756	9.87E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
3742	499888.7	3732755	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	1.54E-09	3.28E-09	0.00E+00	0.00E+00	4.82E-09
3743	499898.5	3732754	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	1.59E-09	3.39E-09	0.00E+00	0.00E+00	4.98E-09
3744	499908.3	3732753	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
3745	499918.1	3732752	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	1.69E-09	3.61E-09	0.00E+00	0.00E+00	5.30E-09
3746	499927.9	3732751	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.46E-09
3747	499663.6	3732824	5.18E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
3748	499668.3	3732815	5.17E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	7.79E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
3749	499672.9	3732806	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
3750	499677.5	3732798	5.15E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	7.76E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
3751	499682.2	3732789	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	7.75E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
3752	499686.8	3732780	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
3753	499691.4	3732772	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
3754	499696.1	3732763	5.11E-09	9.42E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	9.42E-09	0.00E+00	0.00E+00	1.45E-08	7.69E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
3755	499700.7	3732755	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
3756	499715.1	3732745	5.23E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
3757	499724.9	3732744	5.39E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
3758	499734.6	3732743	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
3759	499744.4	3732742	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.63E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
3760	499754.1	3732741	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
3761	499763.9	3732740	6.11E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.19E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
3762	499773.6	3732739	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.50E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
3763	499783.4	3732738	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.81E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
3764	499793.1	3732737	6.73E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.18E-09
3765	499802.9	3732736	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.28E-09
3766	499812.6	3732736	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.40E-09

3767	499822.4	3732735	7.44E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
3768	499832.2	3732734	7.70E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
3769	499841.9	3732733	7.96E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.75E-09
3770	499851.7	3732732	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
3771	499861.4	3732731	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
3772	499871.2	3732730	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
3773	499880.9	3732729	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.91E-09	0.00E+00	0.00E+00	4.28E-09
3774	499890.7	3732728	9.36E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
3775	499900.4	3732727	9.66E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
3776	499910.2	3732726	9.95E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
3777	499919.9	3732725	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
3778	499929.7	3732724	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	1.58E-09	3.38E-09	0.00E+00	0.00E+00	4.96E-09
3779	499939.5	3732723	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.10E-09
3780	499637.9	3732816	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
3781	499642.6	3732807	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
3782	499647.2	3732798	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
3783	499651.8	3732790	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
3784	499656.4	3732781	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
3785	499661	3732773	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	7.02E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
3786	499665.6	3732764	4.65E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
3787	499670.3	3732755	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
3788	499674.9	3732747	4.63E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	6.97E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
3789	499679.5	3732738	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
3790	499684.1	3732730	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.94E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
3791	499698.4	3732720	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
3792	499708.2	3732719	4.86E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	7.31E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
3793	499717.9	3732718	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.52E-10	1.60E-09	0.00E+00	0.00E+00	2.36E-09
3794	499727.6	3732717	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
3795	499737.3	3732716	5.29E-09	9.76E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.76E-09	0.00E+00	0.00E+00	1.50E-08	7.97E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
3796	499747	3732715	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
3797	499756.7	3732714	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	8.45E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
3798	499766.4	3732713	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
3799	499776.2	3732712	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.98E-10	1.92E-09	0.00E+00	0.00E+00	2.81E-09
3800	499785.9	3732712	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.26E-10	1.98E-09	0.00E+00	0.00E+00	2.90E-09
3801	499795.6	3732711	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.55E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
3802	499805.3	3732710	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.86E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
3803	499815	3732709	6.75E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
3804	499824.7	3732708	6.97E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
3805	499834.4	3732707	7.19E-09	1.33E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.33E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
3806	499844.1	3732706	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
3807	499853.9	3732705	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
3808	499863.6	3732704	7.90E-09	1.46E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-09	1.46E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.72E-09
3809	499873.3	3732703	8.14E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.23E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
3810	499883	3732702	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.96E-09
3811	499892.7	3732701	8.64E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
3812	499902.4	3732700	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.19E-09
3813	499912.1	3732699	9.14E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.31E-09
3814	499921.9	3732698	9.39E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.02E-09	0.00E+00	0.00E+00	4.43E-09
3815	499931.6	3732697	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
3816	499941.3	3732696	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.66E-09
3817	499951	3732695	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.25E-09	0.00E+00	0.00E+00	4.78E-09
3818	499616.9	3732799	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
3819	499621.5	3732790	4.27E-09	7.88E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.88E-09	0.00E+00	0.00E+00	1.21E-08	6.43E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
3820	499626.1	3732782	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	6.43E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
3821	499630.7	3732773	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
3822	499635.3	3732765	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	6.41E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
3823	499639.9	3732756	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
3824	499644.5	3732747	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
3825	499649.1	3732739	4.23E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
3826	499653.7	3732730	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
3827	499658.3	3732722	4.22E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	6.35E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
3828	499662.9	3732713	4.21E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
3829	499667.5	3732705	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	6.32E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
3830	499681.8	3732695	4.29E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
3831	499691.5	3732694	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
3832	499701.1	3732693	4.52E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
3833	499710.8	3732692	4.65E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
3834	499720.5	3732691	4.77E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
3835	499730.2	3732690	4.91E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	7.39E-10	1.58E-09	0.00E+00	0.00E+00	2.31E-09
3836	499739.9	3732689	5.04E-09	9.30E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.30E-09	0.00E+00	0.00E+00	1.43E-08	7.59E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
3837	499749.6	3732688	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
3838	499759.2	3732688	5.33E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	8.03E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
3839	499768.9	3732687	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
3840	499778.6	3732686	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.81E-09	0.00E+00	0.00E+00	2.67E-09
3841	499788.3	3732685	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.76E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
3842	499798	3732684	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.83E-09
3843	499807.6	3732683	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.29E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
3844	499817.3	3732682	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.57E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
3845	499827	3732681	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.86E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
3846	499836.7	3732680	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
3847	499846.4	3732679	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
3848	499856	3732678	7.15E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.37E-09
3849	499865.7	3732677	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
3850	499875.4	3732676	7.57E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
3851	499885.1	3732675	7.79E-09	1.44E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.44E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
3852	499894.8	3732674	8.01E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
3853	499904.5	3732673	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
3854	499914.1	3732672	8.45E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.98E-09
3855	499923.8	3732672	8.67E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.09E-09
3856	499933.5	3732671	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
3857	499943.2	3732670	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.29E-09
3858	499952.9	3732669	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
3859	499962.5	3732668	9.52E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.43E-09	3.06E-09	0.00E+00	0.00E+00	4.49E-09
3860	499591.2	3732791	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3861	499595.8	3732782	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3862	499600.4	3732774	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3863	499605	3732765	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3864	499609.6	3732757	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
3865	499614.2	3732748	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3866	499618.8	3732739	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3867	499623.4	3732731	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
3868	499627.9	3732722	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	5.85E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
3869	499632.5	3732714	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
3870	499637.1	3732705	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3871	499641.7	3732697	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3872	499646.3	3732688	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3873	499650.9	3732680	3.84E-09	7.08E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.08E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
3874	499665.1	3732670	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3875	499674.8	3732669	4.02E-09	7.42E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.42E-09	0.00E+00	0.00E+00	1.14E-08	6.06E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
3876	499684.4	3732668	4.12E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
3877	499694.1	3732667	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
3878	499703.7	3732666	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
3879	499713.4	3732665	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.26E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
3880	499723.1	3732664	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
3881	499732.7	3732664	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
3882	499742.4	3732663	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
3883	499752	3732662	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.40E-08	7.44E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
3884	499761.7	3732661	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.64E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
3885	499771.3	3732660	5.22E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
3886	499781	3732659	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	8.07E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
3887	499790.6	3732658	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.30E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
3888	499800.3	3732657	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
3889	499809.9	3732656	5.83E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
3890	499819.6	3732655	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.83E-09
3891	499829.3	3732654	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
3892	499838.9	3732653	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.54E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
3893	499848.6	3732652	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.81E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
3894	499858.2	3732651	6.70E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
3895	499867.9	3732650	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
3896	499877.5	3732649	7.07E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.34E-09

3897	499887.2	3732649	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.43E-09
3898	499896.8	3732648	7.46E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.52E-09
3899	499906.5	3732647	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
3900	499916.1	3732646	7.84E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.70E-09
3901	499925.8	3732645	8.04E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.58E-09	0.00E+00	0.00E+00	3.79E-09
3902	499935.5	3732644	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
3903	499945.1	3732643	8.42E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.27E-09	2.70E-09	0.00E+00	0.00E+00	3.97E-09
3904	499954.8	3732642	8.61E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.76E-09	0.00E+00	0.00E+00	4.06E-09
3905	499964.4	3732641	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
3906	499974.1	3732640	8.97E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.23E-09
3907	499565.6	3732782	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3908	499570.2	3732774	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
3909	499574.8	3732765	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3910	499579.3	3732757	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3911	499583.9	3732748	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3912	499588.5	3732740	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3913	499593.1	3732731	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.70E-09
3914	499597.6	3732723	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3915	499602.2	3732714	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3916	499606.8	3732706	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3917	499611.4	3732697	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
3918	499616	3732689	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
3919	499620.5	3732680	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3920	499625.1	3732672	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	5.35E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
3921	499629.7	3732663	3.55E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
3922	499634.3	3732655	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
3923	499648.5	3732645	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
3924	499658.1	3732644	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
3925	499667.7	3732643	3.78E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	5.69E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
3926	499677.4	3732642	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
3927	499687	3732641	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
3928	499696.6	3732640	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
3929	499706.3	3732640	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
3930	499715.9	3732639	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	6.41E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
3931	499725.5	3732638	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
3932	499735.2	3732637	4.48E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
3933	499744.8	3732636	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
3934	499754.4	3732635	4.71E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
3935	499764.1	3732634	4.84E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
3936	499773.7	3732633	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.47E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
3937	499783.3	3732632	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
3938	499793	3732631	5.23E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
3939	499802.6	3732630	5.37E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	8.09E-10	1.73E-09	0.00E+00	0.00E+00	2.53E-09
3940	499812.2	3732629	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.31E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
3941	499821.9	3732628	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
3942	499831.5	3732627	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.76E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
3943	499841.1	3732626	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
3944	499850.8	3732625	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.23E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
3945	499860.4	3732625	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.48E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
3946	499870	3732624	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09
3947	499879.7	3732623	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.98E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
3948	499889.3	3732622	6.80E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.21E-09
3949	499898.9	3732621	6.97E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
3950	499908.6	3732620	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
3951	499918.2	3732619	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
3952	499927.8	3732618	7.48E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
3953	499937.4	3732617	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
3954	499947.1	3732616	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
3955	499956.7	3732615	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
3956	499966.3	3732614	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
3957	499976	3732613	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
3958	499985.6	3732612	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
3959	499542.6	3732769	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
3960	499547.2	3732761	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
3961	499551.9	3732752	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
3962	499556.6	3732743	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
3963	499561.3	3732735	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3964	499566	3732726	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3965	499570.7	3732717	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3966	499575.4	3732708	3.32E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3967	499580	3732700	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3968	499584.7	3732691	3.31E-09	6.11E-09	0.00E+00	0.00E+00	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.11E-09	0.00E+00	0.00E+00	9.42E-09	4.99E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3969	499589.4	3732682	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3970	499594.1	3732673	3.30E-09	6.09E-09	0.00E+00	0.00E+00	9.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.09E-09	0.00E+00	0.00E+00	9.39E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3971	499598.8	3732665	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
3972	499603.5	3732656	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
3973	499608.2	3732647	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.34E-09	4.95E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
3974	499612.8	3732639	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
3975	499617.5	3732630	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
3976	499632.1	3732620	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
3977	499641.9	3732619	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
3978	499651.8	3732618	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.91E-09	5.25E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
3979	499661.7	3732617	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
3980	499671.5	3732616	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
3981	499681.4	3732615	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
3982	499691.2	3732614	3.82E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	5.76E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
3983	499701.1	3732613	3.91E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
3984	499711	3732612	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
3985	499720.8	3732612	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
3986	499730.7	3732611	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
3987	499740.5	3732610	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
3988	499750.4	3732609	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
3989	499760.3	3732608	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
3990	499770.1	3732607	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
3991	499780	3732606	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
3992	499789.8	3732605	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
3993	499799.7	3732604	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
3994	499809.6	3732603	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	7.78E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
3995	499819.4	3732602	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	7.98E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
3996	499829.3	3732601	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.19E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
3997	499839.1	3732600	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.40E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
3998	499849	3732599	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.62E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
3999	499858.9	3732598	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.85E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
4000	499868.7	3732597	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.07E-10	1.94E-09	0.00E+00	0.00E+00	2.84E-09
4001	499878.6	3732596	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.30E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
4002	499888.4	3732595	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.54E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
4003	499898.3	3732594	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	9.77E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
4004	499908.2	3732593	6.65E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.13E-09
4005	499918	3732592	6.80E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.21E-09
4006	499927.9	3732591	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.28E-09
4007	499937.7	3732590	7.12E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
4008	499947.6	3732589	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.34E-09	0.00E+00	0.00E+00	3.43E-09
4009	499957.5	3732589	7.43E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.50E-09
4010	499967.3	3732588	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
4011	499977.2	3732587	7.73E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.65E-09
4012	499987	3732586	7.87E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.71E-09
4013	499996.9	3732585	8.02E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
4014	499516.9	3732761	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.99E-10	0.00E+00	0.00E+00	1.47E-09
4015	499521.5	3732753	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.99E-10	0.00E+00	0.00E+00	1.47E-09
4016	499526.2	3732744	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.98E-10	0.00E+00	0.00E+00	1.47E-09
4017	499530.9	3732735	3.11E-09	5.72E-09	0.00E+00	0.00E+00	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.72E-09	0.00E+00	0.00E+00	8.83E-09	4.68E-10	9.97E-10	0.00E+00	0.00E+00	1.47E-09
4018	499535.5	3732727	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	4.67E-10	9.97E-10	0.00E+00	0.00E+00	1.46E-09
4019	499540.2	3732718	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	4.67E-10	9.96E-10	0.00E+00	0.00E+00	1.46E-09
4020	499544.9	3732709	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	4.66E-10	9.95E-10	0.00E+00	0.00E+00	1.46E-09
4021	499549.6	3732700	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.80E-09	4.66E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
4022	499554.2	3732692	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
4023	499558.9	3732683	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.77E-09	4.65E-10	9.91E-10	0.00E+00	0.00E+00	1.46E-09
4024	499563.6	3732674	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	4.64E-10	9.89E-10	0.00E+00	0.00E+00	1.45E-09
4025	499568.2	3732666	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
4026	499572.9	3732657	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	4.62E-10	9.86E-10	0.00E+00	0.00E+00	1.45E-09

4027	499577.6	3732648	3.07E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	4.62E-10	9.84E-10	0.00E+00	0.00E+00	1.45E-09
4028	499582.2	3732640	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
4029	499586.9	3732631	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
4030	499591.6	3732622	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
4031	499596.2	3732614	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.43E-09
4032	499600.9	3732605	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	4.57E-10	9.75E-10	0.00E+00	0.00E+00	1.43E-09
4033	499615.4	3732595	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.66E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
4034	499625.2	3732594	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
4035	499635.1	3732593	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.17E-09	4.85E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
4036	499644.9	3732592	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
4037	499654.7	3732591	3.37E-09	6.20E-09	0.00E+00	0.00E+00	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.20E-09	0.00E+00	0.00E+00	9.57E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
4038	499664.5	3732590	3.44E-09	6.34E-09	0.00E+00	0.00E+00	9.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.34E-09	0.00E+00	0.00E+00	9.78E-09	5.18E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
4039	499674.4	3732589	3.52E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
4040	499684.2	3732588	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
4041	499694	3732588	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
4042	499703.8	3732587	3.76E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
4043	499713.7	3732586	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
4044	499723.5	3732585	3.95E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	5.94E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
4045	499733.3	3732584	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
4046	499743.1	3732583	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
4047	499753	3732582	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
4048	499762.8	3732581	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	6.54E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
4049	499772.6	3732580	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
4050	499782.4	3732579	4.56E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
4051	499792.3	3732578	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
4052	499802.1	3732577	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
4053	499811.9	3732576	4.91E-09	9.05E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.05E-09	0.00E+00	0.00E+00	1.40E-08	7.39E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
4054	499821.7	3732575	5.03E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
4055	499831.6	3732574	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
4056	499841.4	3732573	5.29E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	7.96E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
4057	499851.2	3732572	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
4058	499861.1	3732571	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
4059	499870.9	3732570	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.56E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
4060	499880.7	3732569	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
4061	499890.5	3732568	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.98E-10	1.92E-09	0.00E+00	0.00E+00	2.81E-09
4062	499900.4	3732567	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.74E-08	9.19E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
4063	499910.2	3732567	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.40E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
4064	499920	3732566	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
4065	499929.8	3732565	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.82E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
4066	499939.7	3732564	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
4067	499949.5	3732563	6.81E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
4068	499959.3	3732562	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
4069	499969.1	3732561	7.08E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	1.07E-09	2.27E-09	0.00E+00	0.00E+00	3.34E-09
4070	499979	3732560	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
4071	499988.8	3732559	7.35E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
4072	499998.6	3732558	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
4073	500008.4	3732557	7.60E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.59E-09
4074	499491.2	3732753	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
4075	499495.9	3732745	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
4076	499500.5	3732736	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
4077	499505.2	3732727	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
4078	499509.8	3732719	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
4079	499514.5	3732710	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.29E-10	0.00E+00	0.00E+00	1.36E-09
4080	499542.4	3732658	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
4081	499547.1	3732649	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	4.32E-10	9.21E-10	0.00E+00	0.00E+00	1.35E-09
4082	499551.7	3732641	2.86E-09	5.28E-09	0.00E+00	0.00E+00	8.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.28E-09	0.00E+00	0.00E+00	8.14E-09	4.31E-10	9.20E-10	0.00E+00	0.00E+00	1.35E-09
4083	499556.4	3732632	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	4.31E-10	9.18E-10	0.00E+00	0.00E+00	1.35E-09
4084	499561	3732623	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
4085	499565.7	3732615	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
4086	499570.3	3732606	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	4.28E-10	9.13E-10	0.00E+00	0.00E+00	1.34E-09
4087	499575	3732597	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	4.27E-10	9.12E-10	0.00E+00	0.00E+00	1.34E-09
4088	499579.6	3732588	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.06E-09	4.27E-10	9.10E-10	0.00E+00	0.00E+00	1.34E-09
4089	499584.3	3732580	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	4.26E-10	9.08E-10	0.00E+00	0.00E+00	1.33E-09
4090	499598.8	3732570	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	4.33E-10	9.24E-10	0.00E+00	0.00E+00	1.36E-09
4091	499608.5	3732569	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	4.42E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
4092	499618.3	3732568	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
4093	499628.1	3732567	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
4094	499637.9	3732566	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.86E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
4095	499647.7	3732565	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
4096	499657.5	3732564	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
4097	499667.3	3732564	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
4098	499677.1	3732563	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
4099	499686.9	3732562	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
4100	499696.7	3732561	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
4101	499706.5	3732560	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
4102	499716.3	3732559	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
4103	499726.1	3732558	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
4104	499735.9	3732557	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
4105	499745.7	3732556	3.97E-09	7.31E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.31E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
4106	499755.5	3732555	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.92E-09
4107	499765.3	3732554	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
4108	499775.1	3732553	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	6.41E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
4109	499784.9	3732552	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
4110	499794.7	3732551	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
4111	499804.5	3732550	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
4112	499814.3	3732549	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
4113	499824.1	3732548	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
4114	499833.9	3732547	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
4115	499843.6	3732546	5.02E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
4116	499853.4	3732545	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
4117	499863.2	3732544	5.26E-09	9.69E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.69E-09	0.00E+00	0.00E+00	1.49E-08	7.92E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
4118	499873	3732544	5.38E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	8.10E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
4119	499882.8	3732543	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.29E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
4120	499892.6	3732542	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
4121	499902.4	3732541	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.66E-10	1.85E-09	0.00E+00	0.00E+00	2.71E-09
4122	499912.2	3732540	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.86E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
4123	499922	3732539	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.05E-10	1.93E-09	0.00E+00	0.00E+00	2.83E-09
4124	499931.8	3732538	6.14E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.24E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
4125	499941.6	3732537	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.43E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
4126	499951.4	3732536	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.62E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
4127	499961.2	3732535	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.80E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
4128	499971	3732534	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	9.99E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
4129	499980.8	3732533	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
4130	499990.6	3732532	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.24E-09
4131	500000.4	3732531	6.99E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
4132	499354.1	3732953	2.64E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	3.97E-10	8.47E-10	0.00E+00	0.00E+00	1.24E-09
4133	499358.8	3732944	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
4134	499363.4	3732935	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
4135	499470.2	3732736	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
4136	499474.8	3732728	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
4137	499479.5	3732719	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
4138	499484.1	3732711	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
4139	499488.8	3732702	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
4140	499493.4	3732693	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.69E-10	0.00E+00	0.00E+00	1.28E-09
4141	499535.2	3732615	2.68E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	4.03E-10	8.59E-10	0.00E+00	0.00E+00	1.26E-09
4142	499539.8	3732607	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	4.02E-10	8.58E-10	0.00E+00	0.00E+00	1.26E-09
4143	499544.5	3732598	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	4.02E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
4144	499549.1	3732589	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
4145	499553.8	3732581	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.55E-09	4.00E-10	8.53E-10	0.00E+00	0.00E+00	1.25E-09
4146	499558.4	3732572	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.52E-10	0.00E+00	0.00E+00	1.25E-09
4147	499563	3732563	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	3.99E-10	8.50E-10	0.00E+00	0.00E+00	1.25E-09
4148	499567.7	3732555	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
4149	499582.1	3732545	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	4.04E-10	8.63E-10	0.00E+00	0.00E+00	1.27E-09
4150	499591.9	3732544	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
4151	499601.6	3732543	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	4.20E-10	8.96E-10	0.00E+00	0.00E+00	1.32E-09
4152	499611.4	3732542	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	4.28E-10	9.13E-10	0.00E+00	0.00E+00	1.34E-09
4153	499621.2	3732541	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
4154	499630.9	3732540	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	4.45E-10	9.50E-10	0.00E+00	0.00E+00	1.39E-09
4155	499640.7	3732540	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	4.54E-10	9.69E-10	0.00E+00	0.00E+00	1.42E-09
4156	499650.5	3732539	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09

4157	499660.3	3732538	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
4158	499670	3732537	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.11E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
4159	499679.8	3732536	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
4160	499689.6	3732535	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
4161	499699.3	3732534	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
4162	499709.1	3732533	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.92E-09	5.25E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
4163	499718.9	3732532	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
4164	499728.6	3732531	3.64E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
4165	499738.4	3732530	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
4166	499748.2	3732529	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
4167	499758	3732528	3.89E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
4168	499767.7	3732527	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
4169	499777.5	3732526	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
4170	499787.3	3732525	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
4171	499797	3732524	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
4172	499806.8	3732523	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
4173	499816.6	3732522	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
4174	499826.3	3732521	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
4175	499836.1	3732521	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
4176	499845.9	3732520	4.77E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
4177	499855.7	3732519	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
4178	499865.4	3732518	4.99E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	7.51E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
4179	499875.2	3732517	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	7.68E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
4180	499885	3732516	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
4181	499894.7	3732515	5.33E-09	9.82E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	9.82E-09	0.00E+00	0.00E+00	1.51E-08	8.02E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
4182	499904.5	3732514	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.19E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
4183	499914.3	3732513	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
4184	499924	3732512	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.54E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
4185	499933.8	3732511	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
4186	499943.6	3732510	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
4187	499953.3	3732509	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.05E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
4188	499963.1	3732508	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.22E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
4189	499972.9	3732507	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
4190	499982.7	3732506	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
4191	500012	3732503	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
4192	500021.7	3732503	6.77E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
4193	500031.5	3732502	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.24E-09
4194	499349.5	3732961	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.49E-09	3.96E-10	8.46E-10	0.00E+00	0.00E+00	1.24E-09
4195	499349.4	3732971	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	4.00E-10	8.54E-10	0.00E+00	0.00E+00	1.25E-09
4196	499349.4	3732981	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
4197	499349.4	3732991	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
4198	499349.4	3733001	2.73E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	4.12E-10	8.78E-10	0.00E+00	0.00E+00	1.29E-09
4199	499349.4	3733011	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	4.16E-10	8.86E-10	0.00E+00	0.00E+00	1.30E-09
4200	499349.3	3733021	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	4.20E-10	8.95E-10	0.00E+00	0.00E+00	1.31E-09
4201	499349.3	3733031	2.81E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	4.23E-10	9.03E-10	0.00E+00	0.00E+00	1.33E-09
4202	499349.3	3733041	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	4.27E-10	9.12E-10	0.00E+00	0.00E+00	1.34E-09
4203	499349.3	3733051	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	4.32E-10	9.20E-10	0.00E+00	0.00E+00	1.35E-09
4204	499349.3	3733061	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.29E-10	0.00E+00	0.00E+00	1.36E-09
4205	499349.2	3733070	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	4.40E-10	9.38E-10	0.00E+00	0.00E+00	1.38E-09
4206	499349.2	3733080	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
4207	499349.2	3733090	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.46E-09	4.48E-10	9.56E-10	0.00E+00	0.00E+00	1.40E-09
4208	499349.2	3733100	3.00E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	4.52E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
4209	499349.2	3733110	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
4210	499349.1	3733120	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
4211	499349.1	3733130	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
4212	499349.1	3733140	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
4213	499349.1	3733150	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
4214	499349	3733160	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.03E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
4215	499349	3733170	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
4216	499349	3733180	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
4217	499349	3733190	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
4218	499349	3733199	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
4219	499348.9	3733209	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
4220	499348.9	3733219	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
4221	499348.9	3733229	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
4222	499348.9	3733239	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.72E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
4223	499348.9	3733249	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
4224	499348.8	3733259	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
4225	499348.8	3733269	3.51E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
4226	499348.8	3733279	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
4227	499314.1	3732953	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.87E-09	3.64E-10	7.76E-10	0.00E+00	0.00E+00	1.14E-09
4228	499318.7	3732944	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	3.65E-10	7.78E-10	0.00E+00	0.00E+00	1.14E-09
4229	499323.4	3732935	2.43E-09	4.47E-09	0.00E+00	0.00E+00	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.47E-09	0.00E+00	0.00E+00	6.90E-09	3.65E-10	7.80E-10	0.00E+00	0.00E+00	1.15E-09
4230	499328	3732927	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
4231	499332.6	3732918	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	3.67E-10	7.83E-10	0.00E+00	0.00E+00	1.15E-09
4232	499337.2	3732909	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	3.68E-10	7.84E-10	0.00E+00	0.00E+00	1.15E-09
4233	499341.9	3732901	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
4234	499346.5	3732892	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.96E-09	3.69E-10	7.87E-10	0.00E+00	0.00E+00	1.16E-09
4235	499351.1	3732884	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	3.69E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
4236	499355.8	3732875	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.89E-10	0.00E+00	0.00E+00	1.16E-09
4237	499439.1	3732720	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	8.00E-10	0.00E+00	0.00E+00	1.18E-09
4238	499443.7	3732711	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	8.00E-10	0.00E+00	0.00E+00	1.18E-09
4239	499448.3	3732703	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	8.00E-10	0.00E+00	0.00E+00	1.17E-09
4240	499453	3732694	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
4241	499457.6	3732685	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.07E-09	3.75E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
4242	499462.2	3732677	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	3.74E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
4243	499494.6	3732616	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	3.72E-10	7.93E-10	0.00E+00	0.00E+00	1.16E-09
4244	499499.2	3732608	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
4245	499503.9	3732599	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	3.71E-10	7.91E-10	0.00E+00	0.00E+00	1.16E-09
4246	499508.5	3732590	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.90E-10	0.00E+00	0.00E+00	1.16E-09
4247	499513.1	3732582	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	3.70E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
4248	499517.8	3732573	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	3.69E-10	7.87E-10	0.00E+00	0.00E+00	1.16E-09
4249	499522.4	3732565	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	3.68E-10	7.86E-10	0.00E+00	0.00E+00	1.15E-09
4250	499527	3732556	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	3.68E-10	7.84E-10	0.00E+00	0.00E+00	1.15E-09
4251	499531.6	3732547	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	3.67E-10	7.83E-10	0.00E+00	0.00E+00	1.15E-09
4252	499536.3	3732539	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
4253	499540.9	3732530	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	3.66E-10	7.80E-10	0.00E+00	0.00E+00	1.15E-09
4254	499545.5	3732522	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	3.65E-10	7.79E-10	0.00E+00	0.00E+00	1.14E-09
4255	499559.9	3732512	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	3.71E-10	7.91E-10	0.00E+00	0.00E+00	1.16E-09
4256	499569.6	3732511	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
4257	499579.4	3732510	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	3.84E-10	8.19E-10	0.00E+00	0.00E+00	1.20E-09
4258	499589.1	3732509	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.34E-10	0.00E+00	0.00E+00	1.23E-09
4259	499598.9	3732508	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.52E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
4260	499608.6	3732507	2.69E-09	4.97E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.97E-09	0.00E+00	0.00E+00	7.66E-09	4.06E-10	8.65E-10	0.00E+00	0.00E+00	1.27E-09
4261	499618.3	3732506	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
4262	499628.1	3732505	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
4263	499637.8	3732504	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
4264	499647.6	3732503	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	4.38E-10	9.33E-10	0.00E+00	0.00E+00	1.37E-09
4265	499657.3	3732502	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	4.46E-10	9.52E-10	0.00E+00	0.00E+00	1.40E-09
4266	499667	3732502	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
4267	499676.8	3732501	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
4268	499686.5	3732500	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.94E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
4269	499696.3	3732499	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
4270	499706	3732498	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
4271	499715.7	3732497	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
4272	499725.5	3732496	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
4273	499735.2	3732495	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.91E-09	5.25E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
4274	499745	3732494	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
4275	499754.7	3732493	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
4276	499764.4	3732492	3.72E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
4277	499774.2	3732491	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
4278	499783.9	3732490	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
4279	499793.7	3732489	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
4280	499803.4	3732488	4.05E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	6.10E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
4281	499813.1	3732487	4.14E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
4282	499822.9	3732486	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
4283	499832.6	3732485	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
4284	499842.3	3732484	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
4285	499852.1	3732484	4.51E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
4286	499861.8	3732483	4.60E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	6.93E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09

4287	499871.6	3732482	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
4288	499881.3	3732481	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
4289	499891	3732480	4.90E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	7.37E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
4290	499900.8	3732479	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.52E-10	1.60E-09	0.00E+00	0.00E+00	2.36E-09
4291	499910.5	3732478	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
4292	499920.3	3732477	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
4293	499930	3732476	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	7.98E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
4294	499939.7	3732475	5.40E-09	9.95E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.95E-09	0.00E+00	0.00E+00	1.54E-08	8.13E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
4295	499949.5	3732474	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.28E-10	1.77E-09	0.00E+00	0.00E+00	2.59E-09
4296	499959.2	3732473	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.43E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
4297	499988.4	3732470	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.87E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
4298	499998.2	3732469	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.83E-09
4299	500007.9	3732468	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.16E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
4300	500017.7	3732467	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.30E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
4301	500027.4	3732467	6.27E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.43E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
4302	500037.1	3732466	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
4303	500046.9	3732465	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.69E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
4304	499309.5	3732961	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
4305	499309.4	3732971	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
4306	499309.4	3732981	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	3.70E-10	7.89E-10	0.00E+00	0.00E+00	1.16E-09
4307	499309.4	3732991	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.04E-09	3.73E-10	7.96E-10	0.00E+00	0.00E+00	1.17E-09
4308	499309.4	3733001	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	3.76E-10	8.03E-10	0.00E+00	0.00E+00	1.18E-09
4309	499309.4	3733011	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.10E-10	0.00E+00	0.00E+00	1.19E-09
4310	499309.3	3733021	2.54E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	3.83E-10	8.17E-10	0.00E+00	0.00E+00	1.20E-09
4311	499309.3	3733031	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09
4312	499309.3	3733041	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	3.90E-10	8.32E-10	0.00E+00	0.00E+00	1.22E-09
4313	499309.3	3733051	2.61E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	3.93E-10	8.39E-10	0.00E+00	0.00E+00	1.23E-09
4314	499309.3	3733060	2.64E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	3.97E-10	8.47E-10	0.00E+00	0.00E+00	1.24E-09
4315	499309.2	3733070	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	4.00E-10	8.54E-10	0.00E+00	0.00E+00	1.25E-09
4316	499309.2	3733080	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
4317	499309.2	3733090	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.07E-10	8.69E-10	0.00E+00	0.00E+00	1.28E-09
4318	499309.2	3733100	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.77E-10	0.00E+00	0.00E+00	1.29E-09
4319	499309.2	3733110	2.75E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	4.15E-10	8.85E-10	0.00E+00	0.00E+00	1.30E-09
4320	499309.1	3733120	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
4321	499309.1	3733130	2.80E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	4.22E-10	9.00E-10	0.00E+00	0.00E+00	1.32E-09
4322	499309.1	3733140	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	4.26E-10	9.08E-10	0.00E+00	0.00E+00	1.33E-09
4323	499309.1	3733150	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	4.30E-10	9.16E-10	0.00E+00	0.00E+00	1.35E-09
4324	499309	3733160	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	4.33E-10	9.24E-10	0.00E+00	0.00E+00	1.36E-09
4325	499309	3733170	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
4326	499309	3733179	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	4.41E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
4327	499309	3733189	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.40E-09	4.45E-10	9.49E-10	0.00E+00	0.00E+00	1.39E-09
4328	499309	3733199	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
4329	499308.9	3733209	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	4.52E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
4330	499308.9	3733219	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.56E-10	9.73E-10	0.00E+00	0.00E+00	1.43E-09
4331	499308.9	3733229	3.06E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	4.60E-10	9.82E-10	0.00E+00	0.00E+00	1.44E-09
4332	499308.9	3733239	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
4333	499308.9	3733249	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.99E-10	0.00E+00	0.00E+00	1.47E-09
4334	499308.8	3733259	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
4335	499308.8	3733269	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
4336	499308.8	3733279	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	4.80E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
4337	499274.1	3732953	2.23E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.15E-10	0.00E+00	0.00E+00	1.05E-09
4338	499278.7	3732944	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
4339	499283.3	3732935	2.23E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	3.36E-10	7.18E-10	0.00E+00	0.00E+00	1.05E-09
4340	499287.9	3732927	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
4341	499292.5	3732918	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.20E-10	0.00E+00	0.00E+00	1.06E-09
4342	499297.2	3732910	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
4343	499301.8	3732901	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	3.39E-10	7.23E-10	0.00E+00	0.00E+00	1.06E-09
4344	499306.4	3732892	2.25E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.39E-10	7.24E-10	0.00E+00	0.00E+00	1.06E-09
4345	499311	3732884	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.07E-09
4346	499315.6	3732875	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.27E-10	0.00E+00	0.00E+00	1.07E-09
4347	499320.2	3732867	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	3.41E-10	7.28E-10	0.00E+00	0.00E+00	1.07E-09
4348	499408	3732703	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.39E-10	0.00E+00	0.00E+00	1.08E-09
4349	499412.6	3732695	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
4350	499417.2	3732686	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
4351	499421.8	3732677	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
4352	499458.7	3732609	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	3.44E-10	7.34E-10	0.00E+00	0.00E+00	1.08E-09
4353	499463.4	3732600	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
4354	499468	3732591	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.32E-10	0.00E+00	0.00E+00	1.07E-09
4355	499472.6	3732583	2.28E-09	4.19E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.19E-09	0.00E+00	0.00E+00	6.47E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
4356	499477.2	3732574	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.30E-10	0.00E+00	0.00E+00	1.07E-09
4357	499481.8	3732566	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
4358	499486.4	3732557	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	3.41E-10	7.28E-10	0.00E+00	0.00E+00	1.07E-09
4359	499491.1	3732548	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.27E-10	0.00E+00	0.00E+00	1.07E-09
4360	499495.7	3732540	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.07E-09
4361	499500.3	3732531	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.40E-10	7.24E-10	0.00E+00	0.00E+00	1.06E-09
4362	499504.9	3732523	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	3.39E-10	7.23E-10	0.00E+00	0.00E+00	1.06E-09
4363	499509.5	3732514	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
4364	499514.1	3732505	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.20E-10	0.00E+00	0.00E+00	1.06E-09
4365	499518.8	3732497	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
4366	499523.4	3732488	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.18E-10	0.00E+00	0.00E+00	1.05E-09
4367	499537.7	3732479	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.41E-10	7.28E-10	0.00E+00	0.00E+00	1.07E-09
4368	499547.4	3732478	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
4369	499557.1	3732477	2.34E-09	4.32E-09	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.32E-09	0.00E+00	0.00E+00	6.67E-09	3.53E-10	7.53E-10	0.00E+00	0.00E+00	1.11E-09
4370	499566.8	3732476	2.38E-09	4.40E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.40E-09	0.00E+00	0.00E+00	6.78E-09	3.59E-10	7.66E-10	0.00E+00	0.00E+00	1.12E-09
4371	499576.6	3732475	2.43E-09	4.47E-09	0.00E+00	0.00E+00	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.47E-09	0.00E+00	0.00E+00	6.90E-09	3.65E-10	7.79E-10	0.00E+00	0.00E+00	1.14E-09
4372	499586.3	3732474	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	3.72E-10	7.93E-10	0.00E+00	0.00E+00	1.16E-09
4373	499596	3732473	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	3.78E-10	8.07E-10	0.00E+00	0.00E+00	1.18E-09
4374	499605.7	3732472	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
4375	499615.4	3732471	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.36E-10	0.00E+00	0.00E+00	1.23E-09
4376	499625.1	3732470	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
4377	499634.8	3732469	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
4378	499644.6	3732468	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	4.14E-10	8.83E-10	0.00E+00	0.00E+00	1.30E-09
4379	499654.3	3732467	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.96E-09	4.22E-10	9.00E-10	0.00E+00	0.00E+00	1.32E-09
4380	499664	3732466	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
4381	499673.7	3732465	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
4382	499683.4	3732464	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	4.47E-10	9.53E-10	0.00E+00	0.00E+00	1.40E-09
4383	499693.1	3732464	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
4384	499702.8	3732463	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
4385	499712.6	3732462	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.94E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
4386	499722.3	3732461	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
4387	499732	3732460	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
4388	499741.7	3732459	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
4389	499751.4	3732458	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
4390	499761.1	3732457	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.88E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
4391	499770.8	3732456	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
4392	499780.5	3732455	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
4393	499790.3	3732454	3.70E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
4394	499800	3732453	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
4395	499809.7	3732452	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
4396	499819.4	3732451	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	5.92E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
4397	499829.1	3732450	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
4398	499838.8	3732449	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	6.16E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
4399	499848.5	3732448	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
4400	499858.3	3732448	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.85E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
4401	499868	3732447	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	6.55E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
4402	499877.7	3732446	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
4403	499887.4	3732445	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
4404	499897.1	3732444	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.94E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
4405	499906.8	3732443	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
4406	499916.5	3732442	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
4407	499926.3	3732441	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	7.34E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
4408	499965.1	3732437	5.23E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
4409	499974.8	3732436	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
4410	499984.5	3732435	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	8.14E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
4411	499994.3	3732434	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
4412	500004	3732433	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.40E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
4413	500013.7	3732432	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.52E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
4414	500023.4	3732431	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.65E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
4415	500033.1	3732431	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
4416	500042.8	3732430	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09

4417	500052.5	3732429	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
4418	500062.3	3732428	6.05E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
4419	499269.5	3732961	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.32E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
4420	499269.4	3732971	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
4421	499269.4	3732981	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.07E-09
4422	499269.4	3732991	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
4423	499269.4	3733001	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
4424	499269.4	3733011	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	3.49E-10	7.44E-10	0.00E+00	0.00E+00	1.09E-09
4425	499269.3	3733021	2.34E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.50E-10	0.00E+00	0.00E+00	1.10E-09
4426	499269.3	3733031	2.36E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	3.55E-10	7.56E-10	0.00E+00	0.00E+00	1.11E-09
4427	499269.3	3733041	2.37E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	3.58E-10	7.63E-10	0.00E+00	0.00E+00	1.12E-09
4428	499269.3	3733050	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	3.60E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
4429	499269.3	3733060	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
4430	499269.2	3733070	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
4431	499269.2	3733080	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	3.69E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
4432	499269.2	3733090	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	3.73E-10	7.95E-10	0.00E+00	0.00E+00	1.17E-09
4433	499269.2	3733100	2.49E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	3.76E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
4434	499269.2	3733110	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
4435	499269.1	3733120	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.21E-09	3.82E-10	8.15E-10	0.00E+00	0.00E+00	1.20E-09
4436	499269.1	3733130	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
4437	499269.1	3733140	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
4438	499269.1	3733150	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.91E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
4439	499269	3733160	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	3.95E-10	8.42E-10	0.00E+00	0.00E+00	1.24E-09
4440	499269	3733169	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
4441	499269	3733179	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	4.01E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
4442	499269	3733189	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	4.05E-10	8.63E-10	0.00E+00	0.00E+00	1.27E-09
4443	499269	3733199	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
4444	499268.9	3733209	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.77E-10	0.00E+00	0.00E+00	1.29E-09
4445	499268.9	3733219	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	4.14E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
4446	499268.9	3733229	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.91E-10	0.00E+00	0.00E+00	1.31E-09
4447	499268.9	3733239	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
4448	499268.9	3733249	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	4.25E-10	9.06E-10	0.00E+00	0.00E+00	1.33E-09
4449	499268.8	3733259	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	4.28E-10	9.13E-10	0.00E+00	0.00E+00	1.34E-09
4450	499268.8	3733269	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	4.31E-10	9.20E-10	0.00E+00	0.00E+00	1.35E-09
4451	499268.8	3733279	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	4.35E-10	9.28E-10	0.00E+00	0.00E+00	1.36E-09
4452	499234.2	3732952	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.70E-10
4453	499238.8	3732944	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.62E-10	0.00E+00	0.00E+00	9.72E-10
4454	499243.5	3732935	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.87E-09	3.11E-10	6.63E-10	0.00E+00	0.00E+00	9.74E-10
4455	499248.2	3732926	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.76E-10
4456	499252.9	3732917	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	3.12E-10	6.66E-10	0.00E+00	0.00E+00	9.78E-10
4457	499257.6	3732909	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
4458	499262.3	3732900	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.82E-10
4459	499266.9	3732891	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.83E-10
4460	499271.6	3732883	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.14E-10	6.71E-10	0.00E+00	0.00E+00	9.85E-10
4461	499276.3	3732874	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.87E-10
4462	499281	3732865	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.96E-09	3.15E-10	6.73E-10	0.00E+00	0.00E+00	9.88E-10
4463	499285.7	3732856	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.74E-10	0.00E+00	0.00E+00	9.90E-10
4464	499416.8	3732612	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	3.20E-10	6.82E-10	0.00E+00	0.00E+00	1.00E-09
4465	499421.5	3732603	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
4466	499426.2	3732595	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
4467	499430.9	3732586	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.99E-10
4468	499435.6	3732577	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.98E-10
4469	499440.2	3732568	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
4470	499444.9	3732560	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.95E-10
4471	499449.6	3732551	2.11E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	3.17E-10	6.77E-10	0.00E+00	0.00E+00	9.94E-10
4472	499454.3	3732542	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.76E-10	0.00E+00	0.00E+00	9.92E-10
4473	499459	3732534	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.75E-10	0.00E+00	0.00E+00	9.91E-10
4474	499463.7	3732525	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.96E-09	3.16E-10	6.74E-10	0.00E+00	0.00E+00	9.90E-10
4475	499468.3	3732516	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.73E-10	0.00E+00	0.00E+00	9.88E-10
4476	499473	3732507	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.86E-10
4477	499477.7	3732499	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.14E-10	6.70E-10	0.00E+00	0.00E+00	9.85E-10
4478	499482.4	3732490	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.83E-10
4479	499487.1	3732481	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.92E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
4480	499491.8	3732472	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
4481	499496.5	3732464	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	3.12E-10	6.66E-10	0.00E+00	0.00E+00	9.78E-10
4482	499501.1	3732455	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.76E-10
4483	499515.7	3732445	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.74E-10	0.00E+00	0.00E+00	9.90E-10
4484	499525.5	3732444	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	3.21E-10	6.85E-10	0.00E+00	0.00E+00	1.01E-09
4485	499535.4	3732443	2.17E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	3.26E-10	6.96E-10	0.00E+00	0.00E+00	1.02E-09
4486	499545.2	3732442	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	3.32E-10	7.07E-10	0.00E+00	0.00E+00	1.04E-09
4487	499555.1	3732442	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
4488	499565	3732441	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
4489	499574.8	3732440	2.31E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	3.49E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
4490	499584.7	3732439	2.35E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	3.54E-10	7.56E-10	0.00E+00	0.00E+00	1.11E-09
4491	499594.5	3732438	2.40E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
4492	499604.4	3732437	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	3.67E-10	7.83E-10	0.00E+00	0.00E+00	1.15E-09
4493	499614.2	3732436	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	3.73E-10	7.97E-10	0.00E+00	0.00E+00	1.17E-09
4494	499624.1	3732435	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.18E-09	3.80E-10	8.11E-10	0.00E+00	0.00E+00	1.19E-09
4495	499633.9	3732434	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.31E-09	3.87E-10	8.25E-10	0.00E+00	0.00E+00	1.21E-09
4496	499643.8	3732433	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
4497	499653.7	3732432	2.67E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	4.01E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
4498	499663.5	3732431	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
4499	499673.4	3732430	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.86E-09	4.16E-10	8.88E-10	0.00E+00	0.00E+00	1.30E-09
4500	499683.2	3732429	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
4501	499693.1	3732428	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
4502	499702.9	3732427	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	4.41E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
4503	499712.8	3732426	2.98E-09	5.50E-09	0.00E+00	0.00E+00	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.50E-09	0.00E+00	0.00E+00	8.48E-09	4.49E-10	9.58E-10	0.00E+00	0.00E+00	1.41E-09
4504	499722.6	3732425	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.44E-09
4505	499732.5	3732424	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	4.67E-10	9.96E-10	0.00E+00	0.00E+00	1.46E-09
4506	499742.4	3732423	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
4507	499752.2	3732422	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
4508	499762.1	3732421	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
4509	499771.9	3732420	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.54E-09	5.05E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
4510	499781.8	3732419	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
4511	499791.6	3732419	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
4512	499801.5	3732418	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
4513	499811.3	3732417	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
4514	499821.2	3732416	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
4515	499831.1	3732415	3.78E-09	6.97E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	6.97E-09	0.00E+00	0.00E+00	1.07E-08	5.69E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
4516	499840.9	3732414	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
4517	499850.8	3732413	3.93E-09	7.25E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.25E-09	0.00E+00	0.00E+00	1.12E-08	5.92E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
4518	499860.6	3732412	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
4519	499870.5	3732411	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
4520	499880.3	3732410	4.16E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
4521	499890.2	3732409	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
4522	499900.1	3732408	4.32E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	6.51E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
4523	499939.5	3732404	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
4524	499949.3	3732403	4.73E-09	8.72E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.72E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
4525	499959.2	3732402	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
4526	499969	3732401	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
4527	499978.9	3732400	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.60E-09	0.00E+00	0.00E+00	2.34E-09
4528	499988.8	3732399	5.05E-09	9.31E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.31E-09	0.00E+00	0.00E+00	1.44E-08	7.60E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
4529	499998.6	3732398	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
4530	500008.5	3732397	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
4531	500018.3	3732396	5.28E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	7.95E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
4532	500028.2	3732396	5.35E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	8.06E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
4533	500038	3732395	5.42E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
4534	500047.9	3732394	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
4535	500057.7	3732393	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
4536	500067.6	3732392	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
4537	500077.5	3732391	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
4538	499229.5	3732961	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.84E-09	3.09E-10	6.59E-10	0.00E+00	0.00E+00	9.69E-10
4539	499229.4	3732971	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.76E-10
4540	499229.4	3732981	2.09E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	3.14E-10	6.70E-10	0.00E+00	0.00E+00	9.84E-10
4541	499229.4	3732991	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.75E-10	0.00E+00	0.00E+00	9.92E-10
4542	499229.4	3733001	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
4543	499229.4	3733011	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	3.22E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
4544	499229.3	3733021	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.02E-09
4545	499229.3	3733030	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
4546	499229.3	3733040	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09

4547	499229.3	3733050	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.08E-10	0.00E+00	0.00E+00	1.04E-09
4548	499229.3	3733060	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
4549	499229.2	3733070	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
4550	499229.2	3733080	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.06E-09
4551	499229.2	3733090	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.47E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
4552	499229.2	3733100	2.29E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
4553	499229.2	3733110	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	3.48E-10	7.42E-10	0.00E+00	0.00E+00	1.09E-09
4554	499229.1	3733120	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.51E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
4555	499229.1	3733130	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.67E-09	3.53E-10	7.54E-10	0.00E+00	0.00E+00	1.11E-09
4556	499229.1	3733140	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	3.56E-10	7.60E-10	0.00E+00	0.00E+00	1.12E-09
4557	499229.1	3733150	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	3.59E-10	7.66E-10	0.00E+00	0.00E+00	1.12E-09
4558	499229	3733159	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	3.62E-10	7.72E-10	0.00E+00	0.00E+00	1.13E-09
4559	499229	3733169	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	3.65E-10	7.78E-10	0.00E+00	0.00E+00	1.14E-09
4560	499229	3733179	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	3.67E-10	7.84E-10	0.00E+00	0.00E+00	1.15E-09
4561	499229	3733189	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.90E-10	0.00E+00	0.00E+00	1.16E-09
4562	499229	3733199	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	3.73E-10	7.96E-10	0.00E+00	0.00E+00	1.17E-09
4563	499228.9	3733209	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	3.76E-10	8.02E-10	0.00E+00	0.00E+00	1.18E-09
4564	499228.9	3733219	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
4565	499228.9	3733229	2.54E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	3.82E-10	8.14E-10	0.00E+00	0.00E+00	1.20E-09
4566	499228.9	3733239	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.26E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
4567	499228.9	3733249	2.57E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.21E-09
4568	499228.8	3733259	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.33E-10	0.00E+00	0.00E+00	1.22E-09
4569	499228.8	3733269	2.61E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	3.94E-10	8.39E-10	0.00E+00	0.00E+00	1.23E-09
4570	499228.8	3733279	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.49E-09	3.96E-10	8.46E-10	0.00E+00	0.00E+00	1.24E-09
4571	499194.1	3732952	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.13E-10	0.00E+00	0.00E+00	9.01E-10
4572	499198.8	3732944	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
4573	499203.5	3732935	1.92E-09	3.53E-09	0.00E+00	0.00E+00	5.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.53E-09	0.00E+00	0.00E+00	5.45E-09	2.89E-10	6.15E-10	0.00E+00	0.00E+00	9.04E-10
4574	499208.1	3732926	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.17E-10	0.00E+00	0.00E+00	9.06E-10
4575	499212.8	3732917	1.92E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.07E-10
4576	499217.5	3732909	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
4577	499222.2	3732900	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.10E-10
4578	499226.8	3732891	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.12E-10
4579	499231.5	3732883	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	2.92E-10	6.22E-10	0.00E+00	0.00E+00	9.13E-10
4580	499236.2	3732874	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.51E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.15E-10
4581	499240.8	3732865	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.24E-10	0.00E+00	0.00E+00	9.16E-10
4582	499245.5	3732857	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.25E-10	0.00E+00	0.00E+00	9.18E-10
4583	499250.2	3732848	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
4584	499254.8	3732839	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.21E-10
4585	499338.9	3732683	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
4586	499343.6	3732674	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
4587	499348.2	3732665	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
4588	499352.9	3732657	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
4589	499357.6	3732648	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.98E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
4590	499399.6	3732570	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.97E-10	6.33E-10	0.00E+00	0.00E+00	9.30E-10
4591	499404.3	3732561	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.29E-10
4592	499408.9	3732552	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.28E-10
4593	499413.6	3732543	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.27E-10
4594	499418.3	3732535	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.26E-10
4595	499422.9	3732526	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	2.95E-10	6.29E-10	0.00E+00	0.00E+00	9.25E-10
4596	499427.6	3732517	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	2.95E-10	6.29E-10	0.00E+00	0.00E+00	9.23E-10
4597	499432.3	3732509	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	2.94E-10	6.28E-10	0.00E+00	0.00E+00	9.22E-10
4598	499437	3732500	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.21E-10
4599	499460.3	3732457	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.92E-10	6.22E-10	0.00E+00	0.00E+00	9.13E-10
4600	499465	3732448	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.12E-10
4601	499469.6	3732439	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.10E-10
4602	499474.3	3732430	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
4603	499479	3732422	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.07E-10
4604	499493.5	3732412	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
4605	499503.3	3732411	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
4606	499513.1	3732410	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	3.02E-10	6.45E-10	0.00E+00	0.00E+00	9.47E-10
4607	499562.3	3732405	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.02E-09
4608	499572.1	3732404	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
4609	499581.9	3732403	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
4610	499591.7	3732403	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
4611	499601.6	3732402	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	3.49E-10	7.45E-10	0.00E+00	0.00E+00	1.09E-09
4612	499611.4	3732401	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.58E-10	0.00E+00	0.00E+00	1.11E-09
4613	499621.2	3732400	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	3.61E-10	7.71E-10	0.00E+00	0.00E+00	1.13E-09
4614	499631	3732399	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	3.68E-10	7.84E-10	0.00E+00	0.00E+00	1.15E-09
4615	499640.9	3732398	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	3.74E-10	7.98E-10	0.00E+00	0.00E+00	1.17E-09
4616	499650.7	3732397	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
4617	499660.5	3732396	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.21E-09
4618	499670.3	3732395	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	3.95E-10	8.42E-10	0.00E+00	0.00E+00	1.24E-09
4619	499680.2	3732394	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
4620	499690	3732393	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	4.09E-10	8.73E-10	0.00E+00	0.00E+00	1.28E-09
4621	499699.8	3732392	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	4.17E-10	8.89E-10	0.00E+00	0.00E+00	1.31E-09
4622	499709.6	3732391	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
4623	499719.5	3732390	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
4624	499729.3	3732389	2.92E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	4.40E-10	9.39E-10	0.00E+00	0.00E+00	1.38E-09
4625	499739.1	3732388	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
4626	499748.9	3732387	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	4.57E-10	9.75E-10	0.00E+00	0.00E+00	1.43E-09
4627	499758.8	3732386	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.80E-09	4.66E-10	9.94E-10	0.00E+00	0.00E+00	1.46E-09
4628	499768.6	3732385	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
4629	499778.4	3732384	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
4630	499788.2	3732383	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
4631	499798.1	3732382	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
4632	499807.9	3732381	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
4633	499817.7	3732381	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
4634	499827.5	3732380	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
4635	499837.4	3732379	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
4636	499847.2	3732378	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
4637	499857	3732377	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
4638	499866.8	3732376	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
4639	499876.7	3732375	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
4640	499916	3732371	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
4641	499925.8	3732370	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
4642	499935.6	3732369	4.31E-09	7.94E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	7.94E-09	0.00E+00	0.00E+00	1.23E-08	6.49E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
4643	499945.4	3732368	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
4644	499955.3	3732367	4.45E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	6.71E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
4645	499965.1	3732366	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
4646	499974.9	3732365	4.60E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
4647	499984.7	3732364	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
4648	499994.6	3732363	4.74E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	7.13E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
4649	500004.4	3732362	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
4650	500014.2	3732361	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	7.34E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
4651	500024.1	3732360	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	7.44E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
4652	500033.9	3732360	5.01E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
4653	500043.7	3732359	5.08E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	7.64E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
4654	500053.5	3732358	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
4655	500063.4	3732357	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
4656	500073.2	3732356	5.26E-09	9.69E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.69E-09	0.00E+00	0.00E+00	1.50E-08	7.92E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
4657	500083	3732355	5.32E-09	9.80E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.80E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
4658	500092.8	3732354	5.37E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	8.09E-10	1.73E-09	0.00E+00	0.00E+00	2.53E-09
4659	499189.5	3732961	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	8.99E-10
4660	499189.4	3732971	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.17E-10	0.00E+00	0.00E+00	9.06E-10
4661	499189.4	3732981	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.13E-10
4662	499189.4	3732991	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
4663	499189.4	3733001	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.26E-10
4664	499189.4	3733011	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
4665	499189.3	3733020	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.40E-10
4666	499189.3	3733030	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	3.02E-10	6.45E-10	0.00E+00	0.00E+00	9.47E-10
4667	499189.3	3733040	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	3.05E-10	6.50E-10	0.00E+00	0.00E+00	9.55E-10
4668	499189.3	3733050	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
4669	499189.3	3733060	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	3.09E-10	6.60E-10	0.00E+00	0.00E+00	9.69E-10
4670	499189.2	3733070	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.76E-10
4671	499189.2	3733080	2.09E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	3.14E-10	6.70E-10	0.00E+00	0.00E+00	9.84E-10
4672	499189.2	3733090	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.75E-10	0.00E+00	0.00E+00	9.91E-10
4673	499189.2	3733100	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.98E-10
4674	499189.2	3733110	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	3.21E-10	6.85E-10	0.00E+00	0.00E+00	1.01E-09
4675	499189.1	3733120	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.23E-10	6.90E-10	0.00E+00	0.00E+00	1.01E-09
4676	499189.1	3733130	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09

4677	499189.1	3733140	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
4678	499189.1	3733149	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	3.31E-10	7.05E-10	0.00E+00	0.00E+00	1.04E-09
4679	499189	3733159	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	3.33E-10	7.11E-10	0.00E+00	0.00E+00	1.04E-09
4680	499189	3733169	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
4681	499189	3733179	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
4682	499189	3733189	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.27E-10	0.00E+00	0.00E+00	1.07E-09
4683	499189	3733199	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.32E-10	0.00E+00	0.00E+00	1.07E-09
4684	499188.9	3733209	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.37E-10	0.00E+00	0.00E+00	1.08E-09
4685	499188.9	3733219	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	3.48E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
4686	499188.9	3733229	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.51E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
4687	499188.9	3733239	2.35E-09	4.32E-09	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.32E-09	0.00E+00	0.00E+00	6.67E-09	3.53E-10	7.53E-10	0.00E+00	0.00E+00	1.11E-09
4688	499188.9	3733249	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.11E-09
4689	499188.8	3733259	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	3.58E-10	7.64E-10	0.00E+00	0.00E+00	1.12E-09
4690	499188.8	3733269	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.70E-10	0.00E+00	0.00E+00	1.13E-09
4691	499188.8	3733278	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
4692	499154.1	3732952	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.71E-10	0.00E+00	0.00E+00	8.39E-10
4693	499158.8	3732944	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
4694	499163.4	3732935	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	2.69E-10	5.73E-10	0.00E+00	0.00E+00	8.42E-10
4695	499168.1	3732926	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.08E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.43E-10
4696	499172.8	3732918	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.70E-10	5.75E-10	0.00E+00	0.00E+00	8.45E-10
4697	499177.4	3732909	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
4698	499182.1	3732900	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.71E-10	5.77E-10	0.00E+00	0.00E+00	8.48E-10
4699	499186.7	3732891	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.49E-10
4700	499191.4	3732883	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
4701	499196	3732874	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.52E-10
4702	499200.7	3732865	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
4703	499205.3	3732857	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.54E-10
4704	499210	3732848	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.56E-10
4705	499214.7	3732839	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.57E-10
4706	499219.3	3732831	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
4707	499224	3732822	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.60E-10
4708	499307.8	3732666	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
4709	499312.5	3732657	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
4710	499317.1	3732649	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
4711	499321.8	3732640	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
4712	499326.4	3732631	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
4713	499331.1	3732623	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
4714	499335.7	3732614	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.78E-10	5.94E-10	0.00E+00	0.00E+00	8.72E-10
4715	499340.4	3732605	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.78E-10	5.94E-10	0.00E+00	0.00E+00	8.72E-10
4716	499345.1	3732597	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.72E-10
4717	499349.7	3732588	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.71E-10
4718	499354.4	3732579	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.71E-10
4719	499359	3732571	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.78E-10	5.92E-10	0.00E+00	0.00E+00	8.70E-10
4720	499363.7	3732562	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.77E-10	5.92E-10	0.00E+00	0.00E+00	8.69E-10
4721	499410.3	3732475	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.59E-10
4722	499414.9	3732466	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
4723	499419.6	3732458	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
4724	499424.2	3732449	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.55E-10
4725	499428.9	3732440	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.54E-10
4726	499433.5	3732432	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
4727	499438.2	3732423	1.80E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.51E-10
4728	499442.8	3732414	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
4729	499447.5	3732406	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.11E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.49E-10
4730	499452.2	3732397	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.70E-10	5.77E-10	0.00E+00	0.00E+00	8.47E-10
4731	499456.8	3732388	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
4732	499471.3	3732379	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.56E-10
4733	499481.1	3732378	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.24E-09	2.77E-10	5.91E-10	0.00E+00	0.00E+00	8.69E-10
4734	499490.9	3732377	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	6.00E-10	0.00E+00	0.00E+00	8.81E-10
4735	499500.7	3732376	1.90E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	2.85E-10	6.09E-10	0.00E+00	0.00E+00	8.94E-10
4736	499510.5	3732375	1.92E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.08E-10
4737	499520.3	3732374	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.21E-10
4738	499530.1	3732373	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.98E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
4739	499539.9	3732372	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.49E-10
4740	499549.7	3732371	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.56E-10	0.00E+00	0.00E+00	9.64E-10
4741	499559.5	3732370	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.79E-10
4742	499569.3	3732369	2.11E-09	3.89E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	5.99E-09	3.17E-10	6.77E-10	0.00E+00	0.00E+00	9.95E-10
4743	499579.1	3732368	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	3.23E-10	6.88E-10	0.00E+00	0.00E+00	1.01E-09
4744	499755.4	3732351	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.29E-09	4.39E-10	9.37E-10	0.00E+00	0.00E+00	1.38E-09
4745	499765.2	3732350	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.45E-09	4.47E-10	9.54E-10	0.00E+00	0.00E+00	1.40E-09
4746	499775	3732349	3.02E-09	5.58E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.58E-09	0.00E+00	0.00E+00	8.60E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
4747	499784.8	3732348	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	4.64E-10	9.89E-10	0.00E+00	0.00E+00	1.45E-09
4748	499794.6	3732347	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
4749	499804.4	3732346	3.19E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
4750	499873	3732340	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
4751	499882.8	3732339	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
4752	499892.6	3732338	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.91E-09	0.00E+00	0.00E+00	1.07E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
4753	499902.4	3732337	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
4754	499912.2	3732336	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
4755	499922	3732335	3.94E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	5.94E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
4756	499931.8	3732334	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
4757	499941.6	3732333	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
4758	499951.4	3732332	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
4759	499961.2	3732331	4.20E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
4760	499971	3732330	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	6.43E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
4761	499980.8	3732329	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
4762	499990.6	3732328	4.40E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
4763	500000.4	3732327	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	6.71E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
4764	500010.2	3732326	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
4765	500020	3732325	4.58E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	6.90E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
4766	500029.8	3732324	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
4767	500039.6	3732324	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
4768	500049.4	3732323	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	7.17E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
4769	500059.2	3732322	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	7.25E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
4770	500069	3732321	4.87E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	7.34E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
4771	500078.8	3732320	4.93E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
4772	500088.6	3732319	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
4773	500098.4	3732318	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
4774	500108.2	3732317	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
4775	499149.5	3732961	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.70E-10	0.00E+00	0.00E+00	8.37E-10
4776	499149.4	3732971	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.08E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.43E-10
4777	499149.4	3732981	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.50E-10
4778	499149.4	3732991	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.56E-10
4779	499149.4	3733001	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.62E-10
4780	499149.4	3733010	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.91E-10	0.00E+00	0.00E+00	8.68E-10
4781	499149.3	3733020	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.74E-10
4782	499149.3	3733030	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	5.99E-10	0.00E+00	0.00E+00	8.80E-10
4783	499149.3	3733040	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.87E-10
4784	499149.3	3733050	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.93E-10
4785	499149.3	3733060	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	9.00E-10
4786	499149.2	3733070	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.17E-10	0.00E+00	0.00E+00	9.06E-10
4787	499149.2	3733080	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.12E-10
4788	499149.2	3733090	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
4789	499149.2	3733100	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.26E-10
4790	499149.2	3733110	1.98E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.32E-10
4791	499149.1	3733120	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.39E-10	0.00E+00	0.00E+00	9.39E-10
4792	499149.1	3733130	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.45E-10
4793	499149.1	3733139	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.48E-10	0.00E+00	0.00E+00	9.52E-10
4794	499149.1	3733149	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	3.06E-10	6.53E-10	0.00E+00	0.00E+00	9.59E-10
4795	499149	3733159	2.05E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	3.08E-10	6.57E-10	0.00E+00	0.00E+00	9.66E-10
4796	499149	3733169	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.62E-10	0.00E+00	0.00E+00	9.72E-10
4797	499149	3733179	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.79E-10
4798	499149	3733189	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
4799	499149	3733199	2.11E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	3.17E-10	6.76E-10	0.00E+00	0.00E+00	9.93E-10
4800	499148.9	3733209	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
4801	499148.9	3733219	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	3.21E-10	6.85E-10	0.00E+00	0.00E+00	1.01E-09
4802	499148.9	3733229	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.24E-10	6.90E-10	0.00E+00	0.00E+00	1.01E-09
4803	499148.9	3733239	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
4804	499148.9	3733249	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
4805	499148.8	3733259	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.24E-09	3.30E-10	7.04E-10	0.00E+00	0.00E+00	1.03E-09
4806	499148.8	3733268	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.33E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09

4807	499148.8	3733278	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
4808	499114.1	3732952	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.84E-10
4809	499118.8	3732943	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.85E-10
4810	499123.4	3732935	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	2.51E-10	5.36E-10	0.00E+00	0.00E+00	7.87E-10
4811	499128	3732926	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.36E-10	0.00E+00	0.00E+00	7.88E-10
4812	499132.7	3732918	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.89E-10
4813	499137.3	3732909	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.91E-10
4814	499142	3732900	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.92E-10
4815	499146.6	3732892	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
4816	499151.3	3732883	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.94E-10
4817	499155.9	3732874	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.96E-10
4818	499160.6	3732866	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.97E-10
4819	499165.2	3732857	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.43E-10	0.00E+00	0.00E+00	7.98E-10
4820	499169.9	3732848	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
4821	499174.5	3732840	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
4822	499179.2	3732831	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	2.56E-10	5.46E-10	0.00E+00	0.00E+00	8.02E-10
4823	499183.8	3732822	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	2.56E-10	5.47E-10	0.00E+00	0.00E+00	8.03E-10
4824	499188.4	3732814	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
4825	499276.7	3732649	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4826	499281.4	3732641	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4827	499286	3732632	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4828	499290.6	3732623	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4829	499295.3	3732615	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4830	499299.9	3732606	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4831	499304.6	3732597	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4832	499309.2	3732589	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
4833	499313.9	3732580	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.16E-10
4834	499318.5	3732571	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.16E-10
4835	499323.2	3732563	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
4836	499327.8	3732554	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
4837	499332.5	3732545	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.54E-10	0.00E+00	0.00E+00	8.14E-10
4838	499337.1	3732537	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.60E-10	5.54E-10	0.00E+00	0.00E+00	8.14E-10
4839	499341.7	3732528	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.13E-10
4840	499346.4	3732519	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
4841	499351	3732511	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
4842	499355.7	3732502	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
4843	499406.8	3732407	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.98E-10
4844	499411.4	3732398	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.54E-10	5.43E-10	0.00E+00	0.00E+00	7.97E-10
4845	499425.4	3732372	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
4846	499430	3732364	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.92E-10
4847	499434.7	3732355	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.91E-10
4848	499449.1	3732345	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
4849	499458.9	3732345	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
4850	499468.6	3732344	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.22E-10
4851	499478.4	3732343	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.34E-10
4852	499488.2	3732342	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
4853	499498	3732341	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
4854	499507.7	3732340	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.92E-10	0.00E+00	0.00E+00	8.70E-10
4855	499517.5	3732339	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.83E-10
4856	499527.3	3732338	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	2.86E-10	6.10E-10	0.00E+00	0.00E+00	8.96E-10
4857	499537.1	3732337	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
4858	499546.8	3732336	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.56E-09	2.95E-10	6.28E-10	0.00E+00	0.00E+00	9.23E-10
4859	499556.6	3732335	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.37E-10
4860	499566.4	3732334	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.73E-09	3.04E-10	6.47E-10	0.00E+00	0.00E+00	9.51E-10
4861	499576.2	3732333	2.05E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	3.08E-10	6.57E-10	0.00E+00	0.00E+00	9.66E-10
4862	499585.9	3732332	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
4863	499595.7	3732331	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
4864	499605.5	3732330	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
4865	499615.3	3732329	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
4866	499625	3732328	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	3.33E-10	7.11E-10	0.00E+00	0.00E+00	1.04E-09
4867	499634.8	3732327	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	3.39E-10	7.23E-10	0.00E+00	0.00E+00	1.06E-09
4868	499644.6	3732326	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.50E-09	3.44E-10	7.35E-10	0.00E+00	0.00E+00	1.08E-09
4869	499654.4	3732326	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.61E-09	3.50E-10	7.47E-10	0.00E+00	0.00E+00	1.10E-09
4870	499664.1	3732325	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.12E-09
4871	499673.9	3732324	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	3.62E-10	7.72E-10	0.00E+00	0.00E+00	1.13E-09
4872	499683.7	3732323	2.44E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
4873	499693.5	3732322	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	3.74E-10	7.98E-10	0.00E+00	0.00E+00	1.17E-09
4874	499703.2	3732321	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
4875	499713	3732320	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.74E-09	0.00E+00	0.00E+00	7.31E-09	3.87E-10	8.26E-10	0.00E+00	0.00E+00	1.21E-09
4876	499722.8	3732319	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
4877	499732.6	3732318	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
4878	499742.3	3732317	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
4879	499752.1	3732316	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.85E-10	0.00E+00	0.00E+00	1.30E-09
4880	499761.9	3732315	2.80E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	4.22E-10	9.01E-10	0.00E+00	0.00E+00	1.32E-09
4881	499771.7	3732314	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	4.30E-10	9.16E-10	0.00E+00	0.00E+00	1.35E-09
4882	499781.4	3732313	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.26E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
4883	499791.2	3732312	2.95E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	4.45E-10	9.49E-10	0.00E+00	0.00E+00	1.39E-09
4884	499801	3732311	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	4.53E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
4885	499810.8	3732310	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	4.61E-10	9.82E-10	0.00E+00	0.00E+00	1.44E-09
4886	499820.5	3732309	3.11E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
4887	499830.3	3732308	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.00E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
4888	499840.1	3732307	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	4.85E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
4889	499849.9	3732307	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
4890	499859.6	3732306	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
4891	499869.4	3732305	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
4892	499879.2	3732304	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.80E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
4893	499889	3732303	3.51E-09	6.46E-09	0.00E+00	0.00E+00	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.46E-09	0.00E+00	0.00E+00	9.97E-09	5.28E-10	1.13E-09	0.00E+00	0.00E+00	1.65E-09
4894	499898.7	3732302	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
4895	499908.5	3732301	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
4896	499918.3	3732300	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
4897	499928.1	3732299	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
4898	499937.8	3732298	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
4899	499947.6	3732297	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
4900	499957.4	3732296	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
4901	499967.2	3732295	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
4902	499976.9	3732294	4.03E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
4903	499986.7	3732293	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	6.16E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
4904	499996.5	3732292	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
4905	500006.3	3732291	4.21E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
4906	500016	3732290	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
4907	500025.8	3732289	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
4908	500035.6	3732288	4.37E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
4909	500045.4	3732288	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	6.66E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
4910	500055.1	3732287	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
4911	500064.9	3732286	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.45E-09	0.00E+00	0.00E+00	2.14E-09
4912	500074.7	3732285	4.58E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	6.90E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
4913	500084.5	3732284	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	6.97E-10	1.49E-09	0.00E+00	0.00E+00	2.18E-09
4914	500094.2	3732283	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
4915	500104	3732282	4.72E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
4916	500113.8	3732281	4.77E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	7.18E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
4917	500123.6	3732280	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
4918	499109.5	3732961	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
4919	499109.4	3732971	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
4920	499109.4	3732981	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
4921	499109.4	3732991	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
4922	499109.4	3733000	1.71E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.04E-10
4923	499109.4	3733010	1.72E-09	3.16E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.16E-09	0.00E+00	0.00E+00	4.88E-09	2.58E-10	5.51E-10	0.00E+00	0.00E+00	8.10E-10
4924	499109.3	3733020	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
4925	499109.3	3733030	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.21E-10
4926	499109.3	3733040	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.27E-10
4927	499109.3	3733050	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.02E-09	2.66E-10	5.67E-10	0.00E+00	0.00E+00	8.32E-10
4928	499109.3	3733060	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.71E-10	0.00E+00	0.00E+00	8.38E-10
4929	499109.2	3733070	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.44E-10
4930	499109.2	3733080	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.50E-10
4931	499109.2	3733090	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.55E-10
4932	499109.2	3733100	1.83E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.61E-10
4933	499109.2	3733110	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
4934	499109.1	3733120	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
4935	499109.1	3733129	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	2.81E-10	5.98E-10	0.00E+00	0.00E+00	8.79E-10
4936	499109.1	3733139	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.33E-09	2.82E-10	6.02E-10	0.00E+00	0.00E+00	8.85E-10

4937	499109.1	3733149	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.91E-10
4938	499109	3733159	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.41E-09	2.86E-10	6.11E-10	0.00E+00	0.00E+00	8.97E-10
4939	499109	3733169	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.15E-10	0.00E+00	0.00E+00	9.03E-10
4940	499109	3733179	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
4941	499109	3733189	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.51E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.15E-10
4942	499109	3733199	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.21E-10
4943	499108.9	3733209	1.97E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.27E-10
4944	499108.9	3733219	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
4945	499108.9	3733229	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.39E-10
4946	499108.9	3733239	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.46E-10
4947	499108.9	3733249	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.48E-10	0.00E+00	0.00E+00	9.52E-10
4948	499108.8	3733258	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.58E-10
4949	499108.8	3733268	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.56E-10	0.00E+00	0.00E+00	9.64E-10
4950	499108.8	3733278	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.70E-10
4951	499074.1	3732952	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.35E-10	5.00E-10	0.00E+00	0.00E+00	7.35E-10
4952	499078.7	3732943	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
4953	499083.4	3732935	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.37E-10
4954	499088	3732926	1.57E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	2.36E-10	5.03E-10	0.00E+00	0.00E+00	7.38E-10
4955	499092.6	3732918	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.03E-10	0.00E+00	0.00E+00	7.39E-10
4956	499097.3	3732909	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.04E-10	0.00E+00	0.00E+00	7.41E-10
4957	499101.9	3732900	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
4958	499106.6	3732892	1.58E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.43E-10
4959	499111.2	3732883	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.07E-10	0.00E+00	0.00E+00	7.44E-10
4960	499115.8	3732874	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
4961	499120.5	3732866	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.46E-10
4962	499125.1	3732857	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	2.39E-10	5.09E-10	0.00E+00	0.00E+00	7.47E-10
4963	499129.7	3732848	1.59E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.48E-10
4964	499134.4	3732840	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.50E-10
4965	499139	3732831	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	2.40E-10	5.11E-10	0.00E+00	0.00E+00	7.51E-10
4966	499143.6	3732823	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
4967	499148.3	3732814	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.53E-10
4968	499152.9	3732805	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.54E-09	2.41E-10	5.13E-10	0.00E+00	0.00E+00	7.54E-10
4969	499157.5	3732797	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.55E-10
4970	499273.4	3732581	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	2.45E-10	5.22E-10	0.00E+00	0.00E+00	7.67E-10
4971	499278.1	3732572	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	2.45E-10	5.22E-10	0.00E+00	0.00E+00	7.67E-10
4972	499282.7	3732564	1.62E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	2.45E-10	5.22E-10	0.00E+00	0.00E+00	7.67E-10
4973	499287.3	3732555	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	2.45E-10	5.22E-10	0.00E+00	0.00E+00	7.66E-10
4974	499292	3732546	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.66E-10
4975	499296.6	3732538	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.65E-10
4976	499301.2	3732529	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.65E-10
4977	499305.9	3732520	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
4978	499310.5	3732512	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
4979	499315.2	3732503	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.63E-10
4980	499426.9	3732312	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	2.39E-10	5.11E-10	0.00E+00	0.00E+00	7.50E-10
4981	499436.6	3732311	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	2.43E-10	5.17E-10	0.00E+00	0.00E+00	7.60E-10
4982	499446.4	3732310	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.24E-10	0.00E+00	0.00E+00	7.70E-10
4983	499456.2	3732309	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	2.49E-10	5.31E-10	0.00E+00	0.00E+00	7.80E-10
4984	499465.9	3732308	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.91E-10
4985	499475.7	3732307	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	2.56E-10	5.46E-10	0.00E+00	0.00E+00	8.02E-10
4986	499485.4	3732306	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
4987	499495.2	3732306	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.61E-10	0.00E+00	0.00E+00	8.24E-10
4988	499504.9	3732305	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.67E-10	5.69E-10	0.00E+00	0.00E+00	8.35E-10
4989	499514.7	3732304	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.70E-10	5.77E-10	0.00E+00	0.00E+00	8.47E-10
4990	499524.4	3732303	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.59E-10
4991	499534.2	3732302	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.71E-10
4992	499543.9	3732301	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.33E-09	2.82E-10	6.02E-10	0.00E+00	0.00E+00	8.84E-10
4993	499553.7	3732300	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.41E-09	2.86E-10	6.11E-10	0.00E+00	0.00E+00	8.97E-10
4994	499563.4	3732299	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.10E-10
4995	499573.2	3732298	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	2.95E-10	6.29E-10	0.00E+00	0.00E+00	9.24E-10
4996	499583	3732297	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.38E-10
4997	499592.7	3732296	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.48E-10	0.00E+00	0.00E+00	9.52E-10
4998	499602.5	3732295	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	3.08E-10	6.58E-10	0.00E+00	0.00E+00	9.67E-10
4999	499612.2	3732294	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.92E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
5000	499622	3732293	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.97E-10
5001	499631.7	3732292	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
5002	499641.5	3732291	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
5003	499651.2	3732290	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	3.33E-10	7.11E-10	0.00E+00	0.00E+00	1.04E-09
5004	499661	3732289	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	3.39E-10	7.23E-10	0.00E+00	0.00E+00	1.06E-09
5005	499670.7	3732288	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.50E-09	3.44E-10	7.35E-10	0.00E+00	0.00E+00	1.08E-09
5006	499680.5	3732288	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	3.50E-10	7.47E-10	0.00E+00	0.00E+00	1.10E-09
5007	499690.2	3732287	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.11E-09
5008	499700	3732286	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	3.62E-10	7.71E-10	0.00E+00	0.00E+00	1.13E-09
5009	499709.8	3732285	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	3.68E-10	7.84E-10	0.00E+00	0.00E+00	1.15E-09
5010	499719.5	3732284	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.06E-09	3.74E-10	7.97E-10	0.00E+00	0.00E+00	1.17E-09
5011	499729.3	3732283	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.10E-10	0.00E+00	0.00E+00	1.19E-09
5012	499739	3732282	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09
5013	499748.8	3732281	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
5014	499758.5	3732280	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.52E-10	0.00E+00	0.00E+00	1.25E-09
5015	499768.3	3732279	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.66E-10	0.00E+00	0.00E+00	1.27E-09
5016	499778	3732278	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
5017	499787.8	3732277	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	4.20E-10	8.96E-10	0.00E+00	0.00E+00	1.32E-09
5018	499797.5	3732276	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	4.27E-10	9.11E-10	0.00E+00	0.00E+00	1.34E-09
5019	499807.3	3732275	2.88E-09	5.32E-09	0.00E+00	0.00E+00	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.32E-09	0.00E+00	0.00E+00	8.20E-09	4.34E-10	9.26E-10	0.00E+00	0.00E+00	1.36E-09
5020	499817.1	3732274	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	4.42E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
5021	499826.8	3732273	2.98E-09	5.50E-09	0.00E+00	0.00E+00	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.50E-09	0.00E+00	0.00E+00	8.48E-09	4.49E-10	9.58E-10	0.00E+00	0.00E+00	1.41E-09
5022	499836.6	3732272	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.56E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
5023	499846.3	3732271	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
5024	499856.1	3732270	3.13E-09	5.78E-09	0.00E+00	0.00E+00	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.78E-09	0.00E+00	0.00E+00	8.91E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
5025	499865.8	3732270	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
5026	499875.6	3732269	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
5027	499885.3	3732268	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
5028	499895.1	3732267	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
5029	499904.8	3732266	3.39E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
5030	499914.6	3732265	3.45E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
5031	499924.3	3732264	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
5032	499934.1	3732263	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	5.35E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
5033	499943.9	3732262	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
5034	499953.6	3732261	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.51E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
5035	499963.4	3732260	3.71E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
5036	499973.1	3732259	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
5037	499982.9	3732258	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
5038	499992.6	3732257	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
5039	500002.4	3732256	3.93E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
5040	500012.1	3732255	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
5041	500021.9	3732254	4.03E-09	7.42E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.42E-09	0.00E+00	0.00E+00	1.15E-08	6.06E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
5042	500031.6	3732253	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
5043	500041.4	3732252	4.13E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
5044	500051.2	3732252	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
5045	500060.9	3732251	4.22E-09	7.78E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	7.78E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
5046	500070.7	3732250	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	6.43E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
5047	500080.4	3732249	4.32E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
5048	500090.2	3732248	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	6.57E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
5049	500099.9	3732247	4.40E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
5050	500109.7	3732246	4.45E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
5051	500119.4	3732245	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
5052	500129.2	3732244	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
5053	500138.9	3732243	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
5054	499068.8	3733268	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	2.86E-10	6.10E-10	0.00E+00	0.00E+00	8.96E-10
5055	499068.8	3733278	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.13E-10	0.00E+00	0.00E+00	9.01E-10
5056	499034.2	3732952	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.70E-10	0.00E+00	0.00E+00	6.91E-10
5057	499038.8	3732943	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.92E-10
5058	499043.5	3732934	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.21E-10	4.72E-10	0.00E+00	0.00E+00	6.93E-10
5059	499048.2	3732926	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.21E-10	4.72E-10	0.00E+00	0.00E+00	6.94E-10
5060	499052.9	3732917	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.19E-09	2.22E-10	4.73E-10	0.00E+00	0.00E+00	6.95E-10
5061	499057.6	3732908	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.96E-10
5062	499062.3	3732900	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.97E-10
5063	499067	3732891	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.98E-10
5064	499071.6	3732882	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	2.23E-10	4.76E-10	0.00E+00	0.00E+00	6.99E-10
5065	499076.3	3732873	1.48E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.23E-10	4.77E-10	0.00E+00	0.00E+00	7.00E-10
5066	499081	3732865	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.01E-10

5067	499085.7	3732856	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.02E-10
5068	499090.4	3732847	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	2.24E-10	4.79E-10	0.00E+00	0.00E+00	7.03E-10
5069	499095.1	3732838	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	2.25E-10	4.79E-10	0.00E+00	0.00E+00	7.04E-10
5070	499099.8	3732830	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.25E-09	2.25E-10	4.80E-10	0.00E+00	0.00E+00	7.05E-10
5071	499104.4	3732821	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.25E-10	4.81E-10	0.00E+00	0.00E+00	7.06E-10
5072	499109.1	3732812	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
5073	499113.8	3732804	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.82E-10	0.00E+00	0.00E+00	7.08E-10
5074	499118.5	3732795	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.09E-10
5075	499123.2	3732786	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.83E-10	0.00E+00	0.00E+00	7.10E-10
5076	499127.9	3732777	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.11E-10
5077	499273.1	3732507	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	2.30E-10	4.90E-10	0.00E+00	0.00E+00	7.20E-10
5078	499277.8	3732498	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	2.30E-10	4.90E-10	0.00E+00	0.00E+00	7.19E-10
5079	499424.5	3732277	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.23E-10
5080	499434.4	3732276	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.33E-10
5081	499444.3	3732275	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
5082	499454.1	3732274	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
5083	499464	3732273	1.61E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.19E-10	0.00E+00	0.00E+00	7.62E-10
5084	499473.8	3732272	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.26E-10	0.00E+00	0.00E+00	7.72E-10
5085	499483.7	3732271	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.82E-10
5086	499493.6	3732270	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
5087	499503.4	3732269	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
5088	499513.3	3732268	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
5089	499523.1	3732267	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.26E-10
5090	499533	3732266	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.05E-09	2.68E-10	5.71E-10	0.00E+00	0.00E+00	8.38E-10
5091	499542.9	3732265	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
5092	499552.7	3732265	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.62E-10
5093	499562.6	3732264	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.96E-10	0.00E+00	0.00E+00	8.75E-10
5094	499572.4	3732263	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.88E-10
5095	499582.3	3732262	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.13E-10	0.00E+00	0.00E+00	9.01E-10
5096	499592.2	3732261	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	2.92E-10	6.22E-10	0.00E+00	0.00E+00	9.14E-10
5097	499602	3732260	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.28E-10
5098	499611.9	3732259	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.41E-10	0.00E+00	0.00E+00	9.42E-10
5099	499621.7	3732258	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.05E-10	6.51E-10	0.00E+00	0.00E+00	9.57E-10
5100	499631.6	3732257	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
5101	499641.5	3732256	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.86E-10
5102	499651.3	3732255	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	3.20E-10	6.82E-10	0.00E+00	0.00E+00	1.00E-09
5103	499661.2	3732254	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.13E-09	3.25E-10	6.93E-10	0.00E+00	0.00E+00	1.02E-09
5104	499671	3732253	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.04E-10	0.00E+00	0.00E+00	1.03E-09
5105	499680.9	3732252	2.23E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.15E-10	0.00E+00	0.00E+00	1.05E-09
5106	499690.8	3732251	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.27E-10	0.00E+00	0.00E+00	1.07E-09
5107	499700.6	3732250	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
5108	499710.5	3732249	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.50E-10	0.00E+00	0.00E+00	1.10E-09
5109	499720.3	3732248	2.37E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	3.57E-10	7.63E-10	0.00E+00	0.00E+00	1.12E-09
5110	499730.2	3732247	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
5111	499740.1	3732246	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	3.69E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
5112	499749.9	3732245	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.09E-09	3.75E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
5113	499759.8	3732244	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.14E-10	0.00E+00	0.00E+00	1.20E-09
5114	499769.6	3732243	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.21E-09
5115	499779.5	3732242	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.41E-10	0.00E+00	0.00E+00	1.23E-09
5116	499789.4	3732242	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
5117	499799.2	3732241	2.70E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.69E-10	0.00E+00	0.00E+00	1.28E-09
5118	499809.1	3732240	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	4.14E-10	8.83E-10	0.00E+00	0.00E+00	1.30E-09
5119	499818.9	3732239	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	4.21E-10	8.97E-10	0.00E+00	0.00E+00	1.32E-09
5120	499828.8	3732238	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	4.28E-10	9.12E-10	0.00E+00	0.00E+00	1.34E-09
5121	499838.7	3732237	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	4.35E-10	9.27E-10	0.00E+00	0.00E+00	1.36E-09
5122	499848.5	3732236	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	4.42E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
5123	499858.4	3732235	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
5124	499868.2	3732234	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	4.56E-10	9.72E-10	0.00E+00	0.00E+00	1.43E-09
5125	499878.1	3732233	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
5126	499888	3732232	3.12E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
5127	499897.8	3732231	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
5128	499907.7	3732230	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	4.85E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
5129	499917.5	3732229	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
5130	499927.4	3732228	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
5131	499937.3	3732227	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
5132	499947.1	3732226	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.72E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
5133	499957	3732225	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
5134	499966.8	3732224	3.52E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
5135	499976.7	3732223	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
5136	499986.6	3732222	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
5137	499996.4	3732221	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.51E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
5138	500006.3	3732220	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.05E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
5139	500016.1	3732219	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
5140	500026	3732219	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
5141	500035.9	3732218	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
5142	500045.7	3732217	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
5143	500055.6	3732216	3.94E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
5144	500065.4	3732215	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
5145	500075.3	3732214	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
5146	500085.2	3732213	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
5147	500095	3732212	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
5148	500104.9	3732211	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
5149	500114.7	3732210	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	6.31E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
5150	500124.6	3732209	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
5151	500134.5	3732208	4.27E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
5152	500144.3	3732207	4.30E-09	7.93E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.93E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
5153	500154.2	3732206	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
5154	499028.8	3733268	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.35E-10
5155	499028.8	3733278	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
5156	498994.1	3732952	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	2.08E-10	4.43E-10	0.00E+00	0.00E+00	6.51E-10
5157	498998.8	3732943	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.52E-10
5158	499003.5	3732934	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.53E-10
5159	499008.2	3732926	1.39E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	2.09E-10	4.45E-10	0.00E+00	0.00E+00	6.53E-10
5160	499012.8	3732917	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.94E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.54E-10
5161	499017.5	3732908	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.55E-10
5162	499022.2	3732900	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.96E-09	2.09E-10	4.47E-10	0.00E+00	0.00E+00	6.56E-10
5163	499026.9	3732891	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.57E-10
5164	499031.5	3732882	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.48E-10	0.00E+00	0.00E+00	6.58E-10
5165	499036.2	3732873	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.49E-10	0.00E+00	0.00E+00	6.59E-10
5166	499040.9	3732865	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.49E-10	0.00E+00	0.00E+00	6.60E-10
5167	499045.6	3732856	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.50E-10	0.00E+00	0.00E+00	6.61E-10
5168	499050.2	3732847	1.40E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	2.11E-10	4.51E-10	0.00E+00	0.00E+00	6.62E-10
5169	499054.9	3732839	1.41E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	2.12E-10	4.51E-10	0.00E+00	0.00E+00	6.63E-10
5170	499059.6	3732830	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.64E-10
5171	499064.3	3732821	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.65E-10
5172	499068.9	3732813	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	2.12E-10	4.53E-10	0.00E+00	0.00E+00	6.65E-10
5173	499073.6	3732804	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.66E-10
5174	499078.3	3732795	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.67E-10
5175	499083	3732786	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.68E-10
5176	499087.6	3732778	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.69E-10
5177	499092.3	3732769	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	2.14E-10	4.56E-10	0.00E+00	0.00E+00	6.70E-10
5178	499422	3732242	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.98E-10
5179	499431.8	3732241	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.25E-10	4.81E-10	0.00E+00	0.00E+00	7.06E-10
5180	499441.6	3732240	1.52E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.15E-10
5181	499451.5	3732239	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.24E-10
5182	499461.3	3732238	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	5.00E-10	0.00E+00	0.00E+00	7.34E-10
5183	499471.2	3732237	1.58E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.43E-10
5184	499481	3732236	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	2.40E-10	5.13E-10	0.00E+00	0.00E+00	7.53E-10
5185	499490.8	3732235	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.19E-10	0.00E+00	0.00E+00	7.63E-10
5186	499500.7	3732234	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.26E-10	0.00E+00	0.00E+00	7.73E-10
5187	499510.5	3732233	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.84E-10
5188	499520.3	3732232	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.94E-10
5189	499530.2	3732231	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.05E-10
5190	499540	3732230	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.16E-10
5191	499549.8	3732229	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.28E-10
5192	499559.7	3732228	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.71E-10	0.00E+00	0.00E+00	8.39E-10
5193	499569.5	3732227	1.80E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.51E-10
5194	499579.4	3732226	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.76E-10	5.88E-10	0.00E+00	0.00E+00	8.63E-10
5195	499589.2	3732226	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.96E-10	0.00E+00	0.00E+00	8.76E-10
5196	499599	3732225	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.89E-10

5197	499608.9	3732224	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
5198	499618.7	3732223	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.15E-10
5199	499628.5	3732222	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.29E-10
5200	499638.4	3732221	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.43E-10
5201	499648.2	3732220	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.05E-10	6.52E-10	0.00E+00	0.00E+00	9.57E-10
5202	499658	3732219	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.72E-10
5203	499667.9	3732218	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.87E-10
5204	499677.7	3732217	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	3.20E-10	6.82E-10	0.00E+00	0.00E+00	1.00E-09
5205	499687.6	3732216	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.13E-09	3.25E-10	6.93E-10	0.00E+00	0.00E+00	1.02E-09
5206	499697.4	3732215	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.03E-10	0.00E+00	0.00E+00	1.03E-09
5207	499707.2	3732214	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
5208	499717.1	3732213	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.26E-10	0.00E+00	0.00E+00	1.07E-09
5209	499726.9	3732212	2.29E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	3.46E-10	7.37E-10	0.00E+00	0.00E+00	1.08E-09
5210	499736.7	3732211	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
5211	499746.6	3732210	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	3.57E-10	7.60E-10	0.00E+00	0.00E+00	1.12E-09
5212	499756.4	3732209	2.41E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.73E-10	0.00E+00	0.00E+00	1.13E-09
5213	499766.3	3732208	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
5214	499776.1	3732207	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	3.74E-10	7.97E-10	0.00E+00	0.00E+00	1.17E-09
5215	499785.9	3732206	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.10E-10	0.00E+00	0.00E+00	1.19E-09
5216	499795.8	3732205	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	3.86E-10	8.23E-10	0.00E+00	0.00E+00	1.21E-09
5217	499805.6	3732204	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.36E-10	0.00E+00	0.00E+00	1.23E-09
5218	499815.4	3732204	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
5219	499825.3	3732203	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
5220	499835.1	3732202	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.75E-09	4.11E-10	8.76E-10	0.00E+00	0.00E+00	1.29E-09
5221	499844.9	3732201	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	4.17E-10	8.89E-10	0.00E+00	0.00E+00	1.31E-09
5222	499854.8	3732200	2.81E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	4.23E-10	9.03E-10	0.00E+00	0.00E+00	1.33E-09
5223	499864.6	3732199	2.86E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
5224	499874.5	3732198	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.37E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
5225	499884.3	3732197	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	4.43E-10	9.45E-10	0.00E+00	0.00E+00	1.39E-09
5226	499894.1	3732196	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.60E-10	0.00E+00	0.00E+00	1.41E-09
5227	499904	3732195	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
5228	499913.8	3732194	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
5229	499923.6	3732193	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.88E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
5230	499933.5	3732192	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.00E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
5231	499943.3	3732191	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
5232	499953.1	3732190	3.26E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	4.90E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
5233	499963	3732189	3.30E-09	6.09E-09	0.00E+00	0.00E+00	9.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.09E-09	0.00E+00	0.00E+00	9.39E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
5234	499972.8	3732188	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
5235	499982.7	3732187	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
5236	499992.5	3732186	3.44E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
5237	500002.3	3732185	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
5238	500012.2	3732184	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
5239	500022	3732183	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
5240	500031.8	3732182	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
5241	500041.7	3732182	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
5242	500051.5	3732181	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
5243	500061.3	3732180	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
5244	500071.2	3732179	3.77E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
5245	500081	3732178	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
5246	498988.8	3733268	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	2.49E-10	5.31E-10	0.00E+00	0.00E+00	7.80E-10
5247	498988.8	3733278	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.85E-10
5248	498954.1	3732952	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.14E-10
5249	498958.8	3732943	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	1.96E-10	4.19E-10	0.00E+00	0.00E+00	6.15E-10
5250	498963.5	3732934	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	1.97E-10	4.19E-10	0.00E+00	0.00E+00	6.16E-10
5251	498968.1	3732926	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	1.97E-10	4.20E-10	0.00E+00	0.00E+00	6.17E-10
5252	498972.8	3732917	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	1.97E-10	4.20E-10	0.00E+00	0.00E+00	6.18E-10
5253	498977.5	3732908	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.97E-10	4.21E-10	0.00E+00	0.00E+00	6.18E-10
5254	498982.1	3732900	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.19E-10
5255	498986.8	3732891	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.20E-10
5256	498991.4	3732882	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.23E-10	0.00E+00	0.00E+00	6.21E-10
5257	498996.1	3732874	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.99E-10	4.23E-10	0.00E+00	0.00E+00	6.22E-10
5258	499000.8	3732865	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.23E-10
5259	499005.4	3732856	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.24E-10
5260	499010.1	3732848	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.25E-10
5261	499014.8	3732839	1.33E-09	2.44E-09	0.00E+00	0.00E+00	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.44E-09	0.00E+00	0.00E+00	3.77E-09	2.00E-10	4.26E-10	0.00E+00	0.00E+00	6.25E-10
5262	499019.4	3732830	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.77E-09	2.00E-10	4.26E-10	0.00E+00	0.00E+00	6.26E-10
5263	499024.1	3732821	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.27E-10
5264	499028.8	3732813	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.28E-10
5265	499033.4	3732804	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.29E-10
5266	499038.1	3732795	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.29E-10
5267	499042.8	3732787	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
5268	499047.4	3732778	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.30E-10	0.00E+00	0.00E+00	6.31E-10
5269	499052.1	3732769	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.30E-10	0.00E+00	0.00E+00	6.32E-10
5270	499056.8	3732761	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.33E-10
5271	499061.4	3732752	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.82E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.33E-10
5272	499210.7	3732474	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.38E-10	0.00E+00	0.00E+00	6.43E-10
5273	499215.3	3732465	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
5274	499220	3732457	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
5275	499224.7	3732448	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
5276	499229.3	3732439	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.86E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.41E-10
5277	499234	3732430	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.36E-10	0.00E+00	0.00E+00	6.41E-10
5278	499409.5	3732208	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	2.12E-10	4.53E-10	0.00E+00	0.00E+00	6.65E-10
5279	499419.3	3732207	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.73E-10
5280	499429.1	3732206	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.81E-10
5281	499439	3732205	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.70E-10	0.00E+00	0.00E+00	6.90E-10
5282	499448.8	3732204	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	2.23E-10	4.76E-10	0.00E+00	0.00E+00	6.98E-10
5283	499458.6	3732203	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
5284	499468.4	3732202	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.16E-10
5285	499478.2	3732201	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	2.31E-10	4.94E-10	0.00E+00	0.00E+00	7.25E-10
5286	499488	3732200	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.34E-10	5.00E-10	0.00E+00	0.00E+00	7.35E-10
5287	499497.8	3732199	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.44E-10
5288	499507.7	3732198	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.54E-09	2.41E-10	5.13E-10	0.00E+00	0.00E+00	7.54E-10
5289	499517.5	3732197	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
5290	499527.3	3732196	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.67E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.74E-10
5291	499537.1	3732195	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.84E-10
5292	499546.9	3732194	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
5293	499556.7	3732193	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
5294	499566.6	3732192	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
5295	499576.4	3732191	1.76E-09	3.24E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	4.99E-09	2.64E-10	5.64E-10	0.00E+00	0.00E+00	8.28E-10
5296	499586.2	3732190	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
5297	499596	3732189	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.52E-10
5298	499605.8	3732188	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.88E-10	0.00E+00	0.00E+00	8.64E-10
5299	499615.6	3732187	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.76E-10
5300	499625.4	3732187	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.89E-10
5301	499635.3	3732186	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
5302	499645.1	3732185	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.15E-10
5303	499654.9	3732184	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.29E-10
5304	499664.7	3732183	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.43E-10
5305	499674.5	3732182	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.05E-10	6.51E-10	0.00E+00	0.00E+00	9.57E-10
5306	499684.3	3732181	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
5307	499694.2	3732180	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
5308	499704	3732179	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
5309	500165.3	3732134	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
5310	500175.1	3732133	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
5311	500184.9	3732132	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
5312	498948.8	3733268	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.34E-10	4.98E-10	0.00E+00	0.00E+00	7.32E-10
5313	498948.8	3733278	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
5314	498918.4	3732952	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5315	498923.1	3732943	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.85E-10
5316	498927.8	3732934	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
5317	498932.5	3732925	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10
5318	498937.2	3732917	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	1.88E-10	4.00E-10	0.00E+00	0.00E+00	5.88E-10
5319	498941.9	3732908	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	1.88E-10	4.01E-10	0.00E+00	0.00E+00	5.88E-10
5320	498946.6	3732899	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	1.88E-10	4.01E-10	0.00E+00	0.00E+00	5.89E-10
5321	498951.2	3732891	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.88E-10	4.02E-10	0.00E+00	0.00E+00	5.90E-10
5322	498955.9	3732882	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.89E-10	4.02E-10	0.00E+00	0.00E+00	5.91E-10
5323	498960.6	3732873	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.92E-10
5324	498965.3	3732864	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.93E-10
5325	498970	3732856	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.89E-10	4.04E-10	0.00E+00	0.00E+00	5.93E-10
5326	498974.7	3732847	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.94E-10

5327	498979.4	3732838	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.59E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.95E-10
5328	498984	3732829	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	1.90E-10	4.06E-10	0.00E+00	0.00E+00	5.96E-10
5329	498988.7	3732821	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	1.90E-10	4.06E-10	0.00E+00	0.00E+00	5.96E-10
5330	498993.4	3732812	1.27E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.97E-10
5331	498998.1	3732803	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.98E-10
5332	499002.8	3732795	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	5.99E-10
5333	499007.5	3732786	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	5.99E-10
5334	499012.2	3732777	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.00E-10
5335	499016.8	3732768	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.01E-10
5336	499021.5	3732760	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
5337	499026.2	3732751	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
5338	499030.9	3732742	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.11E-10	0.00E+00	0.00E+00	6.03E-10
5339	499119.9	3732576	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
5340	499124.6	3732568	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.69E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
5341	499129.3	3732559	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
5342	499134	3732550	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.13E-10
5343	499138.7	3732541	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.13E-10
5344	499171.5	3732480	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.13E-10
5345	499176.2	3732472	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
5346	499180.9	3732463	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
5347	499185.6	3732454	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
5348	499190.2	3732445	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.17E-10	0.00E+00	0.00E+00	6.12E-10
5349	499194.9	3732437	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.17E-10	0.00E+00	0.00E+00	6.12E-10
5350	499199.6	3732428	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.11E-10
5351	499823.9	3732136	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	3.68E-10	7.86E-10	0.00E+00	0.00E+00	1.15E-09
5352	499833.7	3732135	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	3.74E-10	7.97E-10	0.00E+00	0.00E+00	1.17E-09
5353	499843.6	3732134	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.09E-10	0.00E+00	0.00E+00	1.19E-09
5354	499853.4	3732133	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
5355	499863.3	3732132	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.37E-09	3.90E-10	8.33E-10	0.00E+00	0.00E+00	1.22E-09
5356	499873.2	3732131	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	3.96E-10	8.45E-10	0.00E+00	0.00E+00	1.24E-09
5357	499883	3732130	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
5358	499892.9	3732129	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.69E-10	0.00E+00	0.00E+00	1.28E-09
5359	499902.7	3732128	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
5360	499912.6	3732127	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	4.19E-10	8.93E-10	0.00E+00	0.00E+00	1.31E-09
5361	499922.5	3732126	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	4.25E-10	9.06E-10	0.00E+00	0.00E+00	1.33E-09
5362	499932.3	3732125	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	4.30E-10	9.18E-10	0.00E+00	0.00E+00	1.35E-09
5363	499942.2	3732124	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
5364	499952	3732123	2.94E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	4.42E-10	9.43E-10	0.00E+00	0.00E+00	1.38E-09
5365	499961.9	3732122	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	4.48E-10	9.55E-10	0.00E+00	0.00E+00	1.40E-09
5366	499971.8	3732121	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.56E-09	4.53E-10	9.67E-10	0.00E+00	0.00E+00	1.42E-09
5367	499981.6	3732120	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	4.59E-10	9.80E-10	0.00E+00	0.00E+00	1.44E-09
5368	499991.5	3732119	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
5369	500001.4	3732118	3.13E-09	5.76E-09	0.00E+00	0.00E+00	8.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.76E-09	0.00E+00	0.00E+00	8.89E-09	4.71E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
5370	500011.2	3732117	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
5371	500021.1	3732116	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
5372	500030.9	3732115	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
5373	500040.8	3732115	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
5374	500050.7	3732114	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
5375	500060.5	3732113	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
5376	500070.4	3732112	3.38E-09	6.23E-09	0.00E+00	0.00E+00	9.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	6.23E-09	0.00E+00	0.00E+00	9.61E-09	5.09E-10	1.09E-09	0.00E+00	0.00E+00	1.59E-09
5377	500080.2	3732111	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
5378	500090.1	3732110	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.80E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
5379	500100	3732109	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.90E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
5380	500109.8	3732108	3.51E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
5381	500119.7	3732107	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
5382	500129.5	3732106	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
5383	500139.4	3732105	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
5384	500149.3	3732104	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
5385	500159.1	3732103	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
5386	500169	3732102	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
5387	500178.8	3732101	3.72E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
5388	500188.7	3732100	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
5389	498913.1	3733268	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.21E-10	4.72E-10	0.00E+00	0.00E+00	6.93E-10
5390	498913.1	3733278	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.96E-10
5391	498882.7	3732952	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.79E-10	0.00E+00	0.00E+00	5.57E-10
5392	498887.4	3732943	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
5393	498892	3732934	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.59E-10
5394	498896.7	3732926	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
5395	498901.3	3732917	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
5396	498906	3732908	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.82E-10	0.00E+00	0.00E+00	5.61E-10
5397	498910.6	3732900	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.39E-09	1.79E-10	3.82E-10	0.00E+00	0.00E+00	5.62E-10
5398	498915.3	3732891	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.79E-10	3.83E-10	0.00E+00	0.00E+00	5.62E-10
5399	498919.9	3732882	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.80E-10	3.83E-10	0.00E+00	0.00E+00	5.63E-10
5400	498924.6	3732874	1.20E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.84E-10	0.00E+00	0.00E+00	5.64E-10
5401	498929.3	3732865	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.84E-10	0.00E+00	0.00E+00	5.64E-10
5402	498933.9	3732856	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.80E-10	3.85E-10	0.00E+00	0.00E+00	5.65E-10
5403	498938.6	3732848	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
5404	498943.2	3732839	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.67E-10
5405	498947.9	3732830	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.67E-10
5406	498952.5	3732822	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.87E-10	0.00E+00	0.00E+00	5.68E-10
5407	498957.2	3732813	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	1.82E-10	3.87E-10	0.00E+00	0.00E+00	5.69E-10
5408	498961.8	3732804	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.43E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.70E-10
5409	498966.5	3732796	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.70E-10
5410	498971.2	3732787	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.89E-10	0.00E+00	0.00E+00	5.71E-10
5411	498975.8	3732778	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.45E-09	1.82E-10	3.89E-10	0.00E+00	0.00E+00	5.72E-10
5412	498980.5	3732770	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.72E-10
5413	498985.1	3732761	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.73E-10
5414	498989.8	3732752	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.91E-10	0.00E+00	0.00E+00	5.74E-10
5415	498994.4	3732744	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.91E-10	0.00E+00	0.00E+00	5.74E-10
5416	498999.1	3732735	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.91E-10	0.00E+00	0.00E+00	5.75E-10
5417	499003.7	3732726	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.76E-10
5418	499087.6	3732570	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.84E-10
5419	499092.2	3732561	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5420	499096.9	3732553	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5421	499101.5	3732544	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5422	499106.2	3732535	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5423	499110.8	3732527	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.85E-10
5424	499115.5	3732518	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.85E-10
5425	499120.1	3732509	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.85E-10
5426	499124.8	3732501	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.85E-10
5427	499129.5	3732492	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.85E-10
5428	499138.8	3732475	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5429	499143.4	3732466	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5430	499148.1	3732457	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5431	499152.7	3732449	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5432	499157.4	3732440	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
5433	499162	3732431	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.84E-10
5434	499507	3732135	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.09E-10
5435	499516.8	3732134	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
5436	499526.6	3732133	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
5437	499536.4	3732132	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.37E-10
5438	499546.2	3732131	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.46E-10
5439	499555.9	3732130	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.56E-09	2.41E-10	5.15E-10	0.00E+00	0.00E+00	7.56E-10
5440	499565.7	3732129	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	2.44E-10	5.22E-10	0.00E+00	0.00E+00	7.66E-10
5441	499575.5	3732128	1.65E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	2.48E-10	5.28E-10	0.00E+00	0.00E+00	7.76E-10
5442	499585.3	3732127	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.87E-10
5443	499595.1	3732126	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.43E-10	0.00E+00	0.00E+00	7.97E-10
5444	499604.9	3732125	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.08E-10
5445	499614.7	3732124	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	2.61E-10	5.58E-10	0.00E+00	0.00E+00	8.19E-10
5446	499624.5	3732123	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.30E-10
5447	499634.3	3732122	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	2.69E-10	5.73E-10	0.00E+00	0.00E+00	8.42E-10
5448	499644.1	3732121	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
5449	499653.9	3732120	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
5450	499663.7	3732120	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.78E-10
5451	499673.5	3732119	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.90E-10
5452	499683.3	3732118	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.15E-10	0.00E+00	0.00E+00	9.03E-10
5453	499693.1	3732117	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.15E-10
5454	499702.9	3732116	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.29E-10
5455	499712.7	3732115	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.41E-10	0.00E+00	0.00E+00	9.42E-10
5456	499722.5	3732114	2.03E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	3.05E-10	6.50E-10	0.00E+00	0.00E+00	9.55E-10

5457	499732.3	3732113	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	3.09E-10	6.60E-10	0.00E+00	0.00E+00	9.69E-10
5458	499742.1	3732112	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.93E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.83E-10
5459	499751.9	3732111	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.97E-10
5460	499761.7	3732110	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
5461	499771.5	3732109	2.18E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	6.99E-10	0.00E+00	0.00E+00	1.03E-09
5462	499781.3	3732108	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
5463	499791.1	3732107	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
5464	499800.9	3732106	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
5465	499810.7	3732105	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
5466	499820.5	3732104	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.50E-10	0.00E+00	0.00E+00	1.10E-09
5467	499830.3	3732103	2.37E-09	4.37E-09	0.00E+00	0.00E+00	6.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.37E-09	0.00E+00	0.00E+00	6.74E-09	3.57E-10	7.61E-10	0.00E+00	0.00E+00	1.12E-09
5468	499840.1	3732102	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	3.62E-10	7.72E-10	0.00E+00	0.00E+00	1.13E-09
5469	499849.9	3732101	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.93E-09	3.67E-10	7.83E-10	0.00E+00	0.00E+00	1.15E-09
5470	499859.6	3732100	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	3.72E-10	7.94E-10	0.00E+00	0.00E+00	1.17E-09
5471	499869.4	3732100	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
5472	499879.2	3732099	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
5473	499889	3732098	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.21E-09
5474	499898.8	3732097	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
5475	499908.6	3732096	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.52E-09	3.98E-10	8.50E-10	0.00E+00	0.00E+00	1.25E-09
5476	499918.4	3732095	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	4.04E-10	8.61E-10	0.00E+00	0.00E+00	1.26E-09
5477	499928.2	3732094	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
5478	499938	3732093	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	4.14E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
5479	499947.8	3732092	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	4.20E-10	8.95E-10	0.00E+00	0.00E+00	1.32E-09
5480	499957.6	3732091	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
5481	499967.4	3732090	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	4.30E-10	9.18E-10	0.00E+00	0.00E+00	1.35E-09
5482	499977.2	3732089	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.29E-10	0.00E+00	0.00E+00	1.37E-09
5483	499987	3732088	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	4.41E-10	9.41E-10	0.00E+00	0.00E+00	1.38E-09
5484	499996.8	3732087	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.43E-09	4.46E-10	9.52E-10	0.00E+00	0.00E+00	1.40E-09
5485	500006.6	3732086	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	4.52E-10	9.63E-10	0.00E+00	0.00E+00	1.41E-09
5486	500016.4	3732085	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.63E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
5487	500026.2	3732084	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.72E-09	4.62E-10	9.85E-10	0.00E+00	0.00E+00	1.45E-09
5488	500036	3732083	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	4.67E-10	9.96E-10	0.00E+00	0.00E+00	1.46E-09
5489	500045.8	3732082	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
5490	500055.6	3732081	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
5491	500065.4	3732080	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
5492	500075.2	3732080	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
5493	500085	3732079	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
5494	500094.8	3732078	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
5495	500104.6	3732077	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
5496	500114.4	3732076	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
5497	500124.2	3732075	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
5498	500134	3732074	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
5499	500143.8	3732073	3.44E-09	6.35E-09	0.00E+00	0.00E+00	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.35E-09	0.00E+00	0.00E+00	9.79E-09	5.18E-10	1.11E-09	0.00E+00	0.00E+00	1.62E-09
5500	500153.6	3732072	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
5501	500163.3	3732071	3.50E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
5502	500173.1	3732070	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
5503	500182.9	3732069	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
5504	500192.7	3732068	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
5505	498877.4	3733268	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.57E-10
5506	498877.4	3733278	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.50E-10	0.00E+00	0.00E+00	6.60E-10
5507	498847	3732952	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
5508	498851.7	3732943	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
5509	498856.4	3732934	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.34E-10
5510	498861	3732925	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.34E-10
5511	498865.7	3732917	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5512	498870.4	3732908	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.35E-10
5513	498875.1	3732899	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
5514	498879.7	3732891	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.37E-10
5515	498884.4	3732882	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	1.72E-10	3.66E-10	0.00E+00	0.00E+00	5.37E-10
5516	498889.1	3732873	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	1.72E-10	3.66E-10	0.00E+00	0.00E+00	5.38E-10
5517	498893.8	3732864	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.67E-10	0.00E+00	0.00E+00	5.39E-10
5518	498898.4	3732856	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.67E-10	0.00E+00	0.00E+00	5.39E-10
5519	498903.1	3732847	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.68E-10	0.00E+00	0.00E+00	5.40E-10
5520	498907.8	3732838	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	1.73E-10	3.68E-10	0.00E+00	0.00E+00	5.41E-10
5521	498912.5	3732830	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.26E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.41E-10
5522	498917.1	3732821	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.42E-10
5523	498921.8	3732812	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.43E-10
5524	498926.5	3732803	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.70E-10	0.00E+00	0.00E+00	5.43E-10
5525	498931.2	3732795	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	1.74E-10	3.70E-10	0.00E+00	0.00E+00	5.44E-10
5526	498935.8	3732786	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	1.74E-10	3.71E-10	0.00E+00	0.00E+00	5.45E-10
5527	498940.5	3732777	1.16E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.71E-10	0.00E+00	0.00E+00	5.45E-10
5528	498945.2	3732769	1.16E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.72E-10	0.00E+00	0.00E+00	5.46E-10
5529	498949.9	3732760	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.72E-10	0.00E+00	0.00E+00	5.47E-10
5530	498954.6	3732751	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	1.75E-10	3.73E-10	0.00E+00	0.00E+00	5.47E-10
5531	498959.2	3732742	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	1.75E-10	3.73E-10	0.00E+00	0.00E+00	5.48E-10
5532	498963.9	3732734	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.73E-10	0.00E+00	0.00E+00	5.48E-10
5533	498968.6	3732725	1.16E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.49E-10
5534	498973.3	3732716	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.50E-10
5535	499062.1	3732551	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.59E-10
5536	499066.8	3732542	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.59E-10
5537	499071.5	3732533	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5538	499076.1	3732525	1.19E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5539	499080.8	3732516	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5540	499085.5	3732507	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5541	499090.2	3732499	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5542	499094.8	3732490	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
5543	499099.5	3732481	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
5544	499104.2	3732472	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5545	499108.9	3732464	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5546	499113.5	3732455	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5547	499118.2	3732446	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5548	499122.9	3732438	1.19E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5549	499127.6	3732429	1.19E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
5550	499132.2	3732420	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.59E-10
5551	499136.9	3732412	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.59E-10
5552	499141.6	3732403	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
5553	499146.3	3732394	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
5554	499286.6	3732133	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	1.72E-10	3.66E-10	0.00E+00	0.00E+00	5.38E-10
5555	499301.1	3732123	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.70E-10	0.00E+00	0.00E+00	5.43E-10
5556	499310.9	3732122	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.49E-10
5557	499320.8	3732121	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.55E-10
5558	499330.6	3732120	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.82E-10	0.00E+00	0.00E+00	5.61E-10
5559	499340.4	3732119	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.67E-10
5560	499350.3	3732118	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.73E-10
5561	499497.9	3732104	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	2.17E-10	4.64E-10	0.00E+00	0.00E+00	6.81E-10
5562	499507.7	3732103	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.69E-10	0.00E+00	0.00E+00	6.89E-10
5563	499517.5	3732102	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.98E-10
5564	499527.4	3732101	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
5565	499537.2	3732100	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.16E-10
5566	499547.1	3732099	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	2.31E-10	4.94E-10	0.00E+00	0.00E+00	7.25E-10
5567	499556.9	3732098	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.34E-10	5.00E-10	0.00E+00	0.00E+00	7.34E-10
5568	499566.7	3732097	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.44E-10
5569	499576.6	3732096	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	2.40E-10	5.13E-10	0.00E+00	0.00E+00	7.53E-10
5570	499586.4	3732095	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.63E-10
5571	499596.3	3732094	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.73E-10
5572	499606.1	3732093	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.84E-10
5573	499615.9	3732093	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.94E-10
5574	499625.8	3732092	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.05E-10
5575	499635.6	3732091	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.16E-10
5576	499645.5	3732090	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.27E-10
5577	499655.3	3732089	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.05E-09	2.68E-10	5.71E-10	0.00E+00	0.00E+00	8.39E-10
5578	499665.1	3732088	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
5579	499675	3732087	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.62E-10
5580	499684.8	3732086	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.74E-10
5581	499694.7	3732085	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.03E-10	0.00E+00	0.00E+00	8.86E-10
5582	499704.5	3732084	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	8.98E-10
5583	499714.3	3732083	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.11E-10
5584	499724.2	3732082	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	2.95E-10	6.29E-10	0.00E+00	0.00E+00	9.24E-10
5585	499734	3732081	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.37E-10
5586	499743.9	3732080	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	3.03E-10	6.47E-10	0.00E+00	0.00E+00	9.50E-10

5587	499753.7	3732079	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.81E-09	3.07E-10	6.56E-10	0.00E+00	0.00E+00	9.63E-10
5588	499763.5	3732078	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.77E-10
5589	499773.4	3732077	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.75E-10	0.00E+00	0.00E+00	9.91E-10
5590	499783.2	3732076	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	3.21E-10	6.84E-10	0.00E+00	0.00E+00	1.00E-09
5591	499793.1	3732075	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	3.25E-10	6.94E-10	0.00E+00	0.00E+00	1.02E-09
5592	499802.9	3732074	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.03E-10	0.00E+00	0.00E+00	1.03E-09
5593	499812.7	3732073	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
5594	499822.6	3732072	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	3.39E-10	7.23E-10	0.00E+00	0.00E+00	1.06E-09
5595	499832.4	3732071	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
5596	499842.2	3732071	2.31E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	3.49E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
5597	499852.1	3732070	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.67E-09	3.53E-10	7.54E-10	0.00E+00	0.00E+00	1.11E-09
5598	499861.9	3732069	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	3.58E-10	7.64E-10	0.00E+00	0.00E+00	1.12E-09
5599	499871.8	3732068	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.74E-10	0.00E+00	0.00E+00	1.14E-09
5600	499881.6	3732067	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
5601	499891.4	3732066	2.48E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	3.73E-10	7.95E-10	0.00E+00	0.00E+00	1.17E-09
5602	499901.3	3732065	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.13E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
5603	499911.1	3732064	2.54E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
5604	499921	3732063	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.21E-09
5605	499930.8	3732062	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
5606	499940.6	3732061	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
5607	499950.5	3732060	2.68E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	4.03E-10	8.59E-10	0.00E+00	0.00E+00	1.26E-09
5608	499960.3	3732059	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
5609	499970.2	3732058	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.13E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09
5610	499980	3732057	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.91E-10	0.00E+00	0.00E+00	1.31E-09
5611	499989.8	3732056	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.98E-09	4.23E-10	9.02E-10	0.00E+00	0.00E+00	1.32E-09
5612	499999.7	3732055	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	4.28E-10	9.12E-10	0.00E+00	0.00E+00	1.34E-09
5613	500009.5	3732054	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
5614	500019.4	3732053	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	4.37E-10	9.33E-10	0.00E+00	0.00E+00	1.37E-09
5615	500029.2	3732052	2.94E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	4.42E-10	9.43E-10	0.00E+00	0.00E+00	1.39E-09
5616	500039	3732051	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	4.47E-10	9.54E-10	0.00E+00	0.00E+00	1.40E-09
5617	500048.9	3732050	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	4.52E-10	9.64E-10	0.00E+00	0.00E+00	1.42E-09
5618	500058.7	3732049	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
5619	500068.6	3732049	3.06E-09	5.65E-09	0.00E+00	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.65E-09	0.00E+00	0.00E+00	8.71E-09	4.61E-10	9.84E-10	0.00E+00	0.00E+00	1.44E-09
5620	500078.4	3732048	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.66E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
5621	500088.2	3732047	3.12E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
5622	500098.1	3732046	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
5623	500107.9	3732045	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
5624	500117.8	3732044	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
5625	500127.6	3732043	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
5626	500137.4	3732042	3.26E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
5627	500147.3	3732041	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
5628	500157.1	3732040	3.32E-09	6.11E-09	0.00E+00	0.00E+00	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.11E-09	0.00E+00	0.00E+00	9.43E-09	4.99E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
5629	500167	3732039	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
5630	500176.8	3732038	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
5631	500186.6	3732037	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
5632	500196.5	3732036	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
5633	498841.7	3733268	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.24E-10
5634	498841.7	3733278	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.27E-10
5635	498811.3	3732951	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.62E-10	3.47E-10	0.00E+00	0.00E+00	5.09E-10
5636	498815.9	3732943	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
5637	498820.6	3732934	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
5638	498825.2	3732926	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5639	498829.9	3732917	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5640	498834.5	3732908	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.63E-10	3.49E-10	0.00E+00	0.00E+00	5.12E-10
5641	498839.1	3732900	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5642	498843.8	3732891	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5643	498848.4	3732882	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.14E-10
5644	498853.1	3732874	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.14E-10
5645	498857.7	3732865	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.51E-10	0.00E+00	0.00E+00	5.15E-10
5646	498862.4	3732856	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.51E-10	0.00E+00	0.00E+00	5.15E-10
5647	498867	3732848	1.09E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.51E-10	0.00E+00	0.00E+00	5.16E-10
5648	498871.7	3732839	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.17E-10
5649	498876.3	3732830	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.17E-10
5650	498881	3732822	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.18E-10
5651	498885.6	3732813	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.53E-10	0.00E+00	0.00E+00	5.18E-10
5652	498890.3	3732804	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.53E-10	0.00E+00	0.00E+00	5.19E-10
5653	498894.9	3732796	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.54E-10	0.00E+00	0.00E+00	5.20E-10
5654	498899.6	3732787	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.54E-10	0.00E+00	0.00E+00	5.20E-10
5655	498904.2	3732778	1.10E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.55E-10	0.00E+00	0.00E+00	5.21E-10
5656	498908.9	3732770	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.55E-10	0.00E+00	0.00E+00	5.21E-10
5657	498913.5	3732761	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.55E-10	0.00E+00	0.00E+00	5.22E-10
5658	498918.2	3732752	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
5659	498922.8	3732744	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
5660	498927.5	3732735	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.67E-10	3.57E-10	0.00E+00	0.00E+00	5.24E-10
5661	498932.1	3732726	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.67E-10	3.57E-10	0.00E+00	0.00E+00	5.24E-10
5662	498936.8	3732718	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.68E-10	3.57E-10	0.00E+00	0.00E+00	5.25E-10
5663	498941.4	3732709	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.26E-10
5664	498946.1	3732700	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.26E-10
5665	498950.7	3732692	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.27E-10
5666	498955.4	3732683	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.27E-10
5667	498960	3732674	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.28E-10
5668	498964.7	3732666	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.28E-10
5669	498969.3	3732657	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.29E-10
5670	498973.9	3732648	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.29E-10
5671	498978.6	3732640	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.30E-10
5672	498983.2	3732631	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.30E-10
5673	498987.9	3732622	1.13E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.31E-10
5674	498992.5	3732614	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.31E-10
5675	498997.2	3732605	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
5676	499001.8	3732597	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
5677	499006.5	3732588	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
5678	499011.1	3732579	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
5679	499015.8	3732571	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
5680	499020.4	3732562	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
5681	499029.7	3732545	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.64E-10	0.00E+00	0.00E+00	5.34E-10
5682	499034.4	3732536	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.34E-10
5683	499039	3732527	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5684	499043.7	3732519	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5685	499048.3	3732510	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5686	499053	3732501	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5687	499057.6	3732493	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5688	499062.3	3732484	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5689	499066.9	3732475	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.35E-10
5690	499071.6	3732467	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.35E-10
5691	499076.2	3732458	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.35E-10
5692	499080.9	3732449	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.35E-10
5693	499085.5	3732441	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5694	499090.2	3732432	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5695	499094.8	3732423	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5696	499099.5	3732415	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5697	499104.1	3732406	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5698	499108.8	3732397	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5699	499113.4	3732389	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.34E-10
5700	499118	3732380	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.64E-10	0.00E+00	0.00E+00	5.34E-10
5701	499122.7	3732371	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.34E-10
5702	499127.3	3732363	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.34E-10
5703	499132	3732354	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
5704	499136.6	3732345	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
5705	499141.3	3732337	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
5706	499145.9	3732328	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
5707	499252.8	3732129	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.17E-10
5708	499257.5	3732120	1.09E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.51E-10	0.00E+00	0.00E+00	5.16E-10
5709	499262.1	3732112	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.51E-10	0.00E+00	0.00E+00	5.15E-10
5710	499266.8	3732103	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.15E-10
5711	499281.2	3732093	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.53E-10	0.00E+00	0.00E+00	5.19E-10
5712	499291	3732092	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.67E-10	3.57E-10	0.00E+00	0.00E+00	5.24E-10
5713	499300.8	3732091	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.30E-10
5714	499310.6	3732091	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
5715	499320.3	3732090	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	1.73E-10	3.68E-10	0.00E+00	0.00E+00	5.41E-10
5716	499330.1	3732089	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.72E-10	0.00E+00	0.00E+00	5.46E-10

5717	499339.9	3732088	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.52E-10
5718	499349.7	3732087	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
5719	499486.6	3732073	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.53E-10
5720	499496.4	3732072	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.50E-10	0.00E+00	0.00E+00	6.61E-10
5721	499506.2	3732072	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.69E-10
5722	499516	3732071	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.77E-10
5723	499525.7	3732070	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	2.19E-10	4.66E-10	0.00E+00	0.00E+00	6.85E-10
5724	499535.5	3732069	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.21E-10	4.72E-10	0.00E+00	0.00E+00	6.93E-10
5725	499545.3	3732068	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.02E-10
5726	499555.1	3732067	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.11E-10
5727	499564.9	3732066	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	2.30E-10	4.90E-10	0.00E+00	0.00E+00	7.20E-10
5728	499574.6	3732065	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	2.33E-10	4.96E-10	0.00E+00	0.00E+00	7.29E-10
5729	499584.4	3732064	1.57E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	2.36E-10	5.03E-10	0.00E+00	0.00E+00	7.38E-10
5730	499594.2	3732063	1.59E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.09E-10	0.00E+00	0.00E+00	7.48E-10
5731	499604	3732062	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.57E-10
5732	499613.8	3732061	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	2.45E-10	5.22E-10	0.00E+00	0.00E+00	7.67E-10
5733	499623.6	3732060	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	2.48E-10	5.29E-10	0.00E+00	0.00E+00	7.77E-10
5734	499633.3	3732059	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.51E-10	5.36E-10	0.00E+00	0.00E+00	7.88E-10
5735	499643.1	3732058	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.43E-10	0.00E+00	0.00E+00	7.98E-10
5736	499652.9	3732057	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.51E-10	0.00E+00	0.00E+00	8.09E-10
5737	499662.7	3732056	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	2.62E-10	5.58E-10	0.00E+00	0.00E+00	8.20E-10
5738	499672.5	3732055	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.31E-10
5739	499682.2	3732054	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	2.69E-10	5.73E-10	0.00E+00	0.00E+00	8.42E-10
5740	499692	3732053	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
5741	499701.8	3732053	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
5742	499711.6	3732052	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.76E-10
5743	499721.4	3732051	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.88E-10
5744	499731.1	3732050	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.87E-10	6.13E-10	0.00E+00	0.00E+00	9.00E-10
5745	499740.9	3732049	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.13E-10
5746	499750.7	3732048	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.25E-10
5747	499760.5	3732047	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.38E-10
5748	499770.3	3732046	2.02E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	3.03E-10	6.47E-10	0.00E+00	0.00E+00	9.51E-10
5749	499780	3732045	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.56E-10	0.00E+00	0.00E+00	9.64E-10
5750	499789.8	3732044	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.77E-10
5751	499799.6	3732043	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.74E-10	0.00E+00	0.00E+00	9.90E-10
5752	499809.4	3732042	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	3.20E-10	6.83E-10	0.00E+00	0.00E+00	1.00E-09
5753	499819.2	3732041	2.16E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	3.25E-10	6.92E-10	0.00E+00	0.00E+00	1.02E-09
5754	499829	3732040	2.18E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
5755	499838.7	3732039	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	3.33E-10	7.11E-10	0.00E+00	0.00E+00	1.04E-09
5756	499848.5	3732038	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
5757	499858.3	3732037	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.30E-10	0.00E+00	0.00E+00	1.07E-09
5758	499868.1	3732036	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
5759	499877.9	3732035	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
5760	499887.6	3732034	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.12E-09
5761	499897.4	3732034	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
5762	499907.2	3732033	2.43E-09	4.47E-09	0.00E+00	0.00E+00	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.47E-09	0.00E+00	0.00E+00	6.90E-09	3.65E-10	7.79E-10	0.00E+00	0.00E+00	1.14E-09
5763	499917	3732032	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	3.70E-10	7.89E-10	0.00E+00	0.00E+00	1.16E-09
5764	499926.8	3732031	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	3.74E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
5765	499936.5	3732030	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
5766	499946.3	3732029	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	3.84E-10	8.18E-10	0.00E+00	0.00E+00	1.20E-09
5767	499956.1	3732028	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
5768	499965.9	3732027	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
5769	499975.7	3732026	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
5770	499985.4	3732025	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.60E-09	4.02E-10	8.58E-10	0.00E+00	0.00E+00	1.26E-09
5771	499995.2	3732024	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.27E-09
5772	500005	3732023	2.73E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	4.11E-10	8.78E-10	0.00E+00	0.00E+00	1.29E-09
5773	500014.8	3732022	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	4.16E-10	8.87E-10	0.00E+00	0.00E+00	1.30E-09
5774	500024.6	3732021	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	4.20E-10	8.97E-10	0.00E+00	0.00E+00	1.32E-09
5775	500034.3	3732020	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	4.25E-10	9.06E-10	0.00E+00	0.00E+00	1.33E-09
5776	500044.1	3732019	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	4.29E-10	9.16E-10	0.00E+00	0.00E+00	1.35E-09
5777	500053.9	3732018	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	4.34E-10	9.25E-10	0.00E+00	0.00E+00	1.36E-09
5778	500063.7	3732017	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.35E-10	0.00E+00	0.00E+00	1.37E-09
5779	500073.5	3732016	2.94E-09	5.42E-09	0.00E+00	0.00E+00	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.42E-09	0.00E+00	0.00E+00	8.35E-09	4.42E-10	9.44E-10	0.00E+00	0.00E+00	1.39E-09
5780	500083.3	3732015	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	4.47E-10	9.53E-10	0.00E+00	0.00E+00	1.40E-09
5781	500093	3732014	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
5782	500102.8	3732014	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	4.55E-10	9.70E-10	0.00E+00	0.00E+00	1.43E-09
5783	500112.6	3732013	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
5784	500122.4	3732012	3.07E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	4.63E-10	9.87E-10	0.00E+00	0.00E+00	1.45E-09
5785	500132.2	3732011	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	4.67E-10	9.96E-10	0.00E+00	0.00E+00	1.46E-09
5786	500141.9	3732010	3.13E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	4.71E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
5787	500151.7	3732009	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.95E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
5788	500161.5	3732008	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
5789	500171.3	3732007	3.20E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
5790	500181.1	3732006	3.22E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	4.85E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
5791	500190.8	3732005	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
5792	500200.6	3732004	3.26E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
5793	500210.4	3732003	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
5794	500220.2	3732002	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
5795	498806	3733268	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.04E-10	0.00E+00	0.00E+00	5.94E-10
5796	498805.9	3733278	1.27E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	1.90E-10	4.06E-10	0.00E+00	0.00E+00	5.97E-10
5797	498775.6	3732951	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.87E-10
5798	498780.2	3732943	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
5799	498784.9	3732934	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.88E-10
5800	498789.6	3732925	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
5801	498794.2	3732917	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.90E-10
5802	498798.9	3732908	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.34E-10	0.00E+00	0.00E+00	4.90E-10
5803	498803.6	3732899	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
5804	498808.2	3732891	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
5805	498812.9	3732882	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
5806	498817.6	3732873	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
5807	498822.2	3732864	1.04E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.93E-10
5808	498826.9	3732856	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.36E-10	0.00E+00	0.00E+00	4.93E-10
5809	498831.6	3732847	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.36E-10	0.00E+00	0.00E+00	4.94E-10
5810	498836.2	3732838	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.94E-10
5811	498840.9	3732830	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.95E-10
5812	498845.6	3732821	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.95E-10
5813	498850.2	3732812	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.38E-10	0.00E+00	0.00E+00	4.96E-10
5814	498854.9	3732804	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.38E-10	0.00E+00	0.00E+00	4.97E-10
5815	498859.6	3732795	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.38E-10	0.00E+00	0.00E+00	4.97E-10
5816	498864.2	3732786	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.39E-10	0.00E+00	0.00E+00	4.98E-10
5817	498868.9	3732778	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.39E-10	0.00E+00	0.00E+00	4.98E-10
5818	498873.6	3732769	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.59E-10	3.40E-10	0.00E+00	0.00E+00	4.99E-10
5819	498878.2	3732760	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.59E-10	3.40E-10	0.00E+00	0.00E+00	4.99E-10
5820	498882.9	3732751	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.60E-10	3.40E-10	0.00E+00	0.00E+00	5.00E-10
5821	498887.6	3732743	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	1.60E-10	3.41E-10	0.00E+00	0.00E+00	5.01E-10
5822	498892.3	3732734	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	1.60E-10	3.41E-10	0.00E+00	0.00E+00	5.01E-10
5823	498896.9	3732725	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.02E-10
5824	498901.6	3732717	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.02E-10
5825	498906.3	3732708	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.03E-10
5826	498910.9	3732699	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.03E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.03E-10
5827	498915.6	3732691	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.04E-10
5828	498920.3	3732682	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.04E-10
5829	498924.9	3732673	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.44E-10	0.00E+00	0.00E+00	5.05E-10
5830	498929.6	3732664	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.05E-09	1.61E-10	3.44E-10	0.00E+00	0.00E+00	5.05E-10
5831	498934.3	3732656	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.61E-10	3.44E-10	0.00E+00	0.00E+00	5.06E-10
5832	498938.9	3732647	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.06E-10
5833	498943.6	3732638	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
5834	498948.3	3732630	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
5835	498952.9	3732621	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
5836	498957.6	3732612	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
5837	498962.3	3732604	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.09E-10
5838	498966.9	3732595	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.62E-10	3.47E-10	0.00E+00	0.00E+00	5.09E-10
5839	498971.6	3732586	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.09E-10
5840	498976.3	3732578	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
5841	498980.9	3732569	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
5842	498985.6	3732560	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5843	498990.3	3732551	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5844	498994.9	3732543	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5845	498999.6	3732534	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.12E-10
5846	499004.3	3732525	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.12E-10

5847	499008.9	3732517	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.63E-10	3.49E-10	0.00E+00	0.00E+00	5.12E-10
5848	499013.6	3732508	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.63E-10	3.49E-10	0.00E+00	0.00E+00	5.12E-10
5849	499018.3	3732499	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.12E-10
5850	499022.9	3732491	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5851	499027.6	3732482	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5852	499032.3	3732473	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5853	499036.9	3732465	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5854	499041.6	3732456	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5855	499046.3	3732447	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5856	499050.9	3732438	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5857	499055.6	3732430	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5858	499060.3	3732421	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5859	499064.9	3732412	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5860	499069.6	3732404	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5861	499074.3	3732395	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5862	499078.9	3732386	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
5863	499083.6	3732378	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.12E-10
5864	499088.3	3732369	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.63E-10	3.49E-10	0.00E+00	0.00E+00	5.12E-10
5865	499093	3732360	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.12E-10
5866	499097.6	3732352	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.12E-10
5867	499102.3	3732343	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5868	499107	3732334	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5869	499111.6	3732325	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
5870	499116.3	3732317	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
5871	499121	3732308	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
5872	499125.6	3732299	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.09E-10
5873	499130.3	3732291	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.09E-10
5874	499135	3732282	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
5875	499139.6	3732273	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
5876	499144.3	3732265	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
5877	499149	3732256	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
5878	499214.3	3732134	1.06E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.39E-10	0.00E+00	0.00E+00	4.98E-10
5879	499219	3732125	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.38E-10	0.00E+00	0.00E+00	4.97E-10
5880	499223.6	3732117	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.38E-10	0.00E+00	0.00E+00	4.96E-10
5881	499228.3	3732108	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.96E-10
5882	499233	3732099	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.95E-10
5883	499237.6	3732091	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.94E-10
5884	499242.3	3732082	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.36E-10	0.00E+00	0.00E+00	4.94E-10
5885	499247	3732073	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.36E-10	0.00E+00	0.00E+00	4.93E-10
5886	499261.5	3732064	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.38E-10	0.00E+00	0.00E+00	4.97E-10
5887	499271.3	3732063	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.02E-10
5888	499281.1	3732062	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
5889	499290.9	3732061	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.63E-10	3.49E-10	0.00E+00	0.00E+00	5.12E-10
5890	499300.8	3732060	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.17E-10
5891	499310.6	3732059	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.22E-10
5892	499320.4	3732058	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.28E-10
5893	499330.2	3732057	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
5894	499340	3732056	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.67E-10	0.00E+00	0.00E+00	5.39E-10
5895	499349.9	3732055	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	1.74E-10	3.71E-10	0.00E+00	0.00E+00	5.44E-10
5896	499428.4	3732047	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.89E-10	4.04E-10	0.00E+00	0.00E+00	5.94E-10
5897	499438.2	3732046	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.00E-10
5898	499448.1	3732046	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.13E-10	0.00E+00	0.00E+00	6.07E-10
5899	499457.9	3732045	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.14E-10
5900	499467.7	3732044	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.23E-10	0.00E+00	0.00E+00	6.21E-10
5901	499477.5	3732043	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.28E-10
5902	499487.4	3732042	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.33E-10	0.00E+00	0.00E+00	6.36E-10
5903	499497.2	3732041	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	2.05E-10	4.38E-10	0.00E+00	0.00E+00	6.43E-10
5904	499507	3732040	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	2.08E-10	4.43E-10	0.00E+00	0.00E+00	6.51E-10
5905	499516.8	3732039	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.48E-10	0.00E+00	0.00E+00	6.58E-10
5906	499526.6	3732038	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.66E-10
5907	499536.5	3732037	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.74E-10
5908	499546.3	3732036	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.83E-10
5909	499556.1	3732035	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.91E-10
5910	499565.9	3732034	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.22E-09	2.23E-10	4.76E-10	0.00E+00	0.00E+00	7.00E-10
5911	499575.7	3732033	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.82E-10	0.00E+00	0.00E+00	7.08E-10
5912	499585.6	3732032	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.17E-10
5913	499595.4	3732031	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.26E-10
5914	499605.2	3732030	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
5915	499615	3732029	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
5916	499624.9	3732028	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.55E-10
5917	499634.7	3732027	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
5918	499644.5	3732026	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.74E-10
5919	499654.3	3732025	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.85E-10
5920	499664.1	3732025	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
5921	499674	3732024	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.05E-10
5922	499683.8	3732023	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.60E-10	5.56E-10	0.00E+00	0.00E+00	8.16E-10
5923	499693.6	3732022	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.27E-10
5924	499703.4	3732021	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.70E-10	0.00E+00	0.00E+00	8.38E-10
5925	499713.2	3732020	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.49E-10
5926	499723.1	3732019	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.60E-10
5927	499732.9	3732018	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.72E-10
5928	499742.7	3732017	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.83E-10
5929	499752.5	3732016	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	2.86E-10	6.09E-10	0.00E+00	0.00E+00	8.95E-10
5930	499762.3	3732015	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.07E-10
5931	499772.2	3732014	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
5932	499782	3732013	1.97E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.34E-10	0.00E+00	0.00E+00	9.32E-10
5933	499791.8	3732012	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.43E-10	0.00E+00	0.00E+00	9.44E-10
5934	499801.6	3732011	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.76E-09	3.05E-10	6.51E-10	0.00E+00	0.00E+00	9.56E-10
5935	499811.5	3732010	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	3.09E-10	6.60E-10	0.00E+00	0.00E+00	9.69E-10
5936	499821.3	3732009	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.82E-10
5937	499831.1	3732008	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.77E-10	0.00E+00	0.00E+00	9.95E-10
5938	499840.9	3732007	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	3.22E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
5939	499850.7	3732006	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
5940	499860.6	3732005	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.04E-10	0.00E+00	0.00E+00	1.03E-09
5941	499870.4	3732004	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
5942	499880.2	3732004	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.39E-09	3.39E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
5943	499890	3732003	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
5944	499899.8	3732002	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
5945	499909.7	3732001	2.34E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.50E-10	0.00E+00	0.00E+00	1.10E-09
5946	499919.5	3732000	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.12E-09
5947	499929.3	3731999	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	3.60E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
5948	499939.1	3731998	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.89E-09	3.65E-10	7.78E-10	0.00E+00	0.00E+00	1.14E-09
5949	499949	3731997	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	3.69E-10	7.87E-10	0.00E+00	0.00E+00	1.16E-09
5950	499958.8	3731996	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	3.73E-10	7.96E-10	0.00E+00	0.00E+00	1.17E-09
5951	499968.6	3731995	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
5952	499978.4	3731994	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	3.82E-10	8.15E-10	0.00E+00	0.00E+00	1.20E-09
5953	499988.2	3731993	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09
5954	499998.1	3731992	2.60E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.33E-10	0.00E+00	0.00E+00	1.22E-09
5955	500007.9	3731991	2.62E-09	4.84E-09	0.00E+00	0.00E+00	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.84E-09	0.00E+00	0.00E+00	7.46E-09	3.95E-10	8.43E-10	0.00E+00	0.00E+00	1.24E-09
5956	500017.7	3731990	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.52E-10	0.00E+00	0.00E+00	1.25E-09
5957	500027.5	3731989	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	4.04E-10	8.61E-10	0.00E+00	0.00E+00	1.26E-09
5958	500037.3	3731988	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
5959	500047.2	3731987	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
5960	500057	3731986	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.86E-09	4.16E-10	8.88E-10	0.00E+00	0.00E+00	1.30E-09
5961	500066.8	3731985	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	4.20E-10	8.96E-10	0.00E+00	0.00E+00	1.32E-09
5962	500076.6	3731984	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
5963	500086.4	3731983	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	4.28E-10	9.13E-10	0.00E+00	0.00E+00	1.34E-09
5964	500096.3	3731983	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
5965	500106.1	3731982	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
5966	500115.9	3731981	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	4.40E-10	9.38E-10	0.00E+00	0.00E+00	1.38E-09
5967	500125.7	3731980	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	4.43E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
5968	500135.6	3731979	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	4.47E-10	9.54E-10	0.00E+00	0.00E+00	1.40E-09
5969	500145.4	3731978	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
5970	500155.2	3731977	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	4.54E-10	9.69E-10	0.00E+00	0.00E+00	1.42E-09
5971	500165	3731976	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.64E-09	4.57E-10	9.76E-10	0.00E+00	0.00E+00	1.43E-09
5972	500174.8	3731975	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
5973	500184.7	3731974	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.76E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
5974	500194.5	3731973	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	4.67E-10	9.96E-10	0.00E+00	0.00E+00	1.46E-09
5975	500204.3	3731972	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.88E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
5976	500214.1	3731971	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09

5977	500223.9	3731970	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.76E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
5978	500233.8	3731969	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
5979	498770.2	3733268	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
5980	498770.2	3733278	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	1.82E-10	3.87E-10	0.00E+00	0.00E+00	5.69E-10
5981	498739.9	3732951	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
5982	498744.6	3732943	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.68E-10
5983	498749.2	3732934	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.19E-10	0.00E+00	0.00E+00	4.68E-10
5984	498753.9	3732925	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
5985	498758.6	3732916	9.95E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
5986	498763.3	3732908	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
5987	498768	3732899	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
5988	498772.7	3732890	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
5989	498777.4	3732881	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
5990	498782	3732873	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
5991	498786.7	3732864	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.72E-10
5992	498791.4	3732855	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
5993	498796.1	3732847	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
5994	498800.8	3732838	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
5995	498805.5	3732829	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
5996	498810.2	3732820	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	1.52E-10	3.23E-10	0.00E+00	0.00E+00	4.75E-10
5997	498814.8	3732812	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.75E-10
5998	498819.5	3732803	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.76E-10
5999	498824.2	3732794	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.76E-10
6000	498828.9	3732785	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.77E-10
6001	498833.6	3732777	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.77E-10
6002	498838.3	3732768	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.78E-10
6003	498842.9	3732759	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.78E-10
6004	498847.6	3732751	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.79E-10
6005	498852.3	3732742	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.79E-10
6006	498857	3732733	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.80E-10
6007	498861.7	3732724	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.80E-10
6008	498866.4	3732716	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.81E-10
6009	498871.1	3732707	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.54E-10	3.28E-10	0.00E+00	0.00E+00	4.81E-10
6010	498875.7	3732698	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.54E-10	3.28E-10	0.00E+00	0.00E+00	4.82E-10
6011	498880.4	3732689	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.28E-10	0.00E+00	0.00E+00	4.82E-10
6012	498885.1	3732681	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.83E-10
6013	498889.8	3732672	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.83E-10
6014	498894.5	3732663	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.84E-10
6015	498899.2	3732655	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.84E-10
6016	498903.9	3732646	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.85E-10
6017	498908.5	3732637	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.85E-10
6018	498913.2	3732628	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.86E-10
6019	498917.9	3732620	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.86E-10
6020	498922.6	3732611	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.87E-10
6021	498927.3	3732602	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.87E-10
6022	498932	3732593	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
6023	498936.7	3732585	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
6024	498941.3	3732576	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.88E-10
6025	498946	3732567	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
6026	498950.7	3732559	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
6027	498955.4	3732550	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.90E-10
6028	498960.1	3732541	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.90E-10
6029	498964.8	3732532	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.34E-10	0.00E+00	0.00E+00	4.90E-10
6030	498969.5	3732524	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.90E-10
6031	498974.1	3732515	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
6032	498978.8	3732506	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
6033	498983.5	3732497	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
6034	498988.2	3732489	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.91E-10
6035	498992.9	3732480	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6036	498997.6	3732471	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6037	499002.3	3732463	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6038	499006.9	3732454	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6039	499011.6	3732445	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6040	499016.3	3732436	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6041	499021	3732428	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6042	499025.7	3732419	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6043	499030.4	3732410	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6044	499035.1	3732401	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6045	499039.7	3732393	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6046	499044.4	3732384	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6047	499049.1	3732375	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6048	499053.8	3732367	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
6049	499058.5	3732358	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.91E-10
6050	499063.2	3732349	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
6051	499067.9	3732340	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
6052	499072.5	3732332	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.91E-10
6053	499077.2	3732323	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.90E-10
6054	499081.9	3732314	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.34E-10	0.00E+00	0.00E+00	4.90E-10
6055	499086.6	3732305	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.90E-10
6056	499091.3	3732297	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
6057	499096	3732288	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
6058	499100.7	3732279	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
6059	499105.3	3732271	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
6060	499110	3732262	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
6061	499114.7	3732253	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.87E-10
6062	499119.4	3732244	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.87E-10
6063	499124.1	3732236	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.86E-10
6064	499128.8	3732227	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.86E-10
6065	499133.5	3732218	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.85E-10
6066	499138.1	3732209	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.85E-10
6067	499142.8	3732201	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.84E-10
6068	499147.5	3732192	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.83E-10
6069	499180.3	3732131	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.79E-10
6070	499185	3732122	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.78E-10
6071	499189.7	3732113	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.78E-10
6072	499194.4	3732105	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.77E-10
6073	499199.1	3732096	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.77E-10
6074	499203.7	3732087	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.76E-10
6075	499208.4	3732079	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.75E-10
6076	499213.1	3732070	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.75E-10
6077	499217.8	3732061	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
6078	499222.5	3732052	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6079	499227.2	3732044	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6080	499241.7	3732034	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.76E-10
6081	499251.6	3732033	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.54E-10	3.27E-10	0.00E+00	0.00E+00	4.81E-10
6082	499261.4	3732032	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.86E-10
6083	499271.3	3732031	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.34E-10	0.00E+00	0.00E+00	4.90E-10
6084	499281.1	3732030	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.95E-10
6085	499291	3732029	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.60E-10	3.40E-10	0.00E+00	0.00E+00	5.00E-10
6086	499300.9	3732028	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.44E-10	0.00E+00	0.00E+00	5.05E-10
6087	499310.7	3732027	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
6088	499320.6	3732026	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	1.64E-10	3.51E-10	0.00E+00	0.00E+00	5.15E-10
6089	499330.4	3732025	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.54E-10	0.00E+00	0.00E+00	5.20E-10
6090	499340.3	3732024	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.26E-10
6091	499350.2	3732023	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.31E-10
6092	499409.3	3732018	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
6093	499419.2	3732017	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.72E-10
6094	499429	3732016	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.78E-10
6095	499438.9	3732015	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
6096	499448.8	3732014	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.92E-10
6097	499458.6	3732013	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.98E-10
6098	499468.5	3732012	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.65E-09	1.93E-10	4.12E-10	0.00E+00	0.00E+00	6.05E-10
6099	499478.3	3732011	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.17E-10	0.00E+00	0.00E+00	6.12E-10
6100	499488.2	3732010	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.98E-10	4.21E-10	0.00E+00	0.00E+00	6.19E-10
6101	499498.1	3732009	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.77E-09	2.00E-10	4.26E-10	0.00E+00	0.00E+00	6.26E-10
6102	499507.9	3732008	1.34E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.34E-10
6103	499517.8	3732007	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.05E-10	4.36E-10	0.00E+00	0.00E+00	6.41E-10
6104	499527.6	3732006	1.38E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.49E-10
6105	499537.5	3732005	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.56E-10
6106	499547.3	3732004	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.64E-10

6107	499557.2	3732003	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.72E-10
6108	499567.1	3732002	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	2.17E-10	4.63E-10	0.00E+00	0.00E+00	6.81E-10
6109	499576.9	3732001	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	2.20E-10	4.69E-10	0.00E+00	0.00E+00	6.89E-10
6110	499586.8	3732000	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.97E-10
6111	499596.6	3731999	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.25E-10	4.81E-10	0.00E+00	0.00E+00	7.06E-10
6112	499606.5	3731998	1.52E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.15E-10
6113	499616.4	3731998	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.24E-10
6114	499626.2	3731997	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.33E-10
6115	499636.1	3731996	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
6116	499645.9	3731995	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
6117	499655.8	3731994	1.61E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.19E-10	0.00E+00	0.00E+00	7.62E-10
6118	499665.7	3731993	1.64E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.25E-10	0.00E+00	0.00E+00	7.71E-10
6119	499675.5	3731992	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	2.49E-10	5.32E-10	0.00E+00	0.00E+00	7.81E-10
6120	499685.4	3731991	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.92E-10
6121	499695.2	3731990	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	2.56E-10	5.46E-10	0.00E+00	0.00E+00	8.02E-10
6122	499705.1	3731989	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
6123	499715	3731988	1.74E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.23E-10
6124	499724.8	3731987	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.34E-10
6125	499734.7	3731986	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.70E-10	5.75E-10	0.00E+00	0.00E+00	8.45E-10
6126	499744.5	3731985	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.56E-10
6127	499754.4	3731984	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
6128	499764.2	3731983	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.78E-10
6129	499774.1	3731982	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.90E-10
6130	499784	3731981	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.01E-10
6131	499793.8	3731980	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.22E-10	0.00E+00	0.00E+00	9.13E-10
6132	499803.7	3731979	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.25E-10
6133	499813.5	3731978	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.37E-10
6134	499823.4	3731977	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.49E-10
6135	499833.3	3731976	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	3.07E-10	6.54E-10	0.00E+00	0.00E+00	9.61E-10
6136	499843.1	3731975	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.87E-09	3.11E-10	6.63E-10	0.00E+00	0.00E+00	9.73E-10
6137	499853	3731975	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
6138	499862.8	3731974	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.98E-10
6139	499872.7	3731973	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	3.23E-10	6.88E-10	0.00E+00	0.00E+00	1.01E-09
6140	499882.6	3731972	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
6141	499892.4	3731971	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.24E-09	3.31E-10	7.05E-10	0.00E+00	0.00E+00	1.04E-09
6142	499902.3	3731970	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
6143	499912.1	3731969	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	3.39E-10	7.23E-10	0.00E+00	0.00E+00	1.06E-09
6144	499922	3731968	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
6145	499931.9	3731967	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
6146	499941.7	3731966	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
6147	499951.6	3731965	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.58E-10	0.00E+00	0.00E+00	1.11E-09
6148	499961.4	3731964	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.79E-09	3.59E-10	7.67E-10	0.00E+00	0.00E+00	1.13E-09
6149	499971.3	3731963	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
6150	499981.2	3731962	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	3.68E-10	7.84E-10	0.00E+00	0.00E+00	1.15E-09
6151	499991	3731961	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	3.72E-10	7.93E-10	0.00E+00	0.00E+00	1.16E-09
6152	500000.9	3731960	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	3.76E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
6153	500010.7	3731959	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.10E-10	0.00E+00	0.00E+00	1.19E-09
6154	500020.6	3731958	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	3.84E-10	8.19E-10	0.00E+00	0.00E+00	1.20E-09
6155	500030.4	3731957	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.21E-09
6156	500040.3	3731956	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.36E-10	0.00E+00	0.00E+00	1.23E-09
6157	500050.2	3731955	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	3.96E-10	8.44E-10	0.00E+00	0.00E+00	1.24E-09
6158	500060	3731954	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	4.00E-10	8.52E-10	0.00E+00	0.00E+00	1.25E-09
6159	500069.9	3731953	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
6160	500079.7	3731952	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.28E-09
6161	500089.6	3731952	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.76E-10	0.00E+00	0.00E+00	1.29E-09
6162	500099.5	3731951	2.75E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	4.15E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
6163	500109.3	3731950	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
6164	500119.2	3731949	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.97E-09	4.22E-10	9.00E-10	0.00E+00	0.00E+00	1.32E-09
6165	500129	3731948	2.82E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
6166	500138.9	3731947	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
6167	500148.8	3731946	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.16E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
6168	500158.6	3731945	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	4.35E-10	9.29E-10	0.00E+00	0.00E+00	1.36E-09
6169	500168.5	3731944	2.91E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	4.39E-10	9.35E-10	0.00E+00	0.00E+00	1.37E-09
6170	500178.3	3731943	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	4.42E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
6171	500188.2	3731942	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.40E-09	4.45E-10	9.49E-10	0.00E+00	0.00E+00	1.39E-09
6172	500198.1	3731941	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	4.48E-10	9.55E-10	0.00E+00	0.00E+00	1.40E-09
6173	500207.9	3731940	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
6174	500217.8	3731939	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.56E-09	4.53E-10	9.67E-10	0.00E+00	0.00E+00	1.42E-09
6175	500227.6	3731938	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	4.56E-10	9.73E-10	0.00E+00	0.00E+00	1.43E-09
6176	500237.5	3731937	3.05E-09	5.61E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.61E-09	0.00E+00	0.00E+00	8.66E-09	4.59E-10	9.78E-10	0.00E+00	0.00E+00	1.44E-09
6177	498734.5	3733268	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	1.72E-10	3.68E-10	0.00E+00	0.00E+00	5.40E-10
6178	498734.5	3733278	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.43E-10
6179	498713.4	3732934	9.53E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	1.43E-10	3.06E-10	0.00E+00	0.00E+00	4.49E-10
6180	498718.1	3732925	9.54E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	1.44E-10	3.06E-10	0.00E+00	0.00E+00	4.50E-10
6181	498722.8	3732917	9.55E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	1.44E-10	3.07E-10	0.00E+00	0.00E+00	4.50E-10
6182	498727.4	3732908	9.56E-10	1.76E-09	0.00E+00	0.00E+00	2.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-10	1.76E-09	0.00E+00	0.00E+00	2.72E-09	1.44E-10	3.07E-10	0.00E+00	0.00E+00	4.51E-10
6183	498732.1	3732899	9.57E-10	1.76E-09	0.00E+00	0.00E+00	2.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-10	1.76E-09	0.00E+00	0.00E+00	2.72E-09	1.44E-10	3.07E-10	0.00E+00	0.00E+00	4.51E-10
6184	498736.7	3732890	9.58E-10	1.77E-09	0.00E+00	0.00E+00	2.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-10	1.77E-09	0.00E+00	0.00E+00	2.72E-09	1.44E-10	3.08E-10	0.00E+00	0.00E+00	4.52E-10
6185	498741.4	3732882	9.59E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.44E-10	3.08E-10	0.00E+00	0.00E+00	4.52E-10
6186	498746.1	3732873	9.60E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.44E-10	3.08E-10	0.00E+00	0.00E+00	4.53E-10
6187	498750.7	3732864	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.08E-10	0.00E+00	0.00E+00	4.53E-10
6188	498755.4	3732856	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
6189	498760	3732847	9.62E-10	1.77E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-10	1.77E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
6190	498764.7	3732838	9.63E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
6191	498769.4	3732830	9.64E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.10E-10	0.00E+00	0.00E+00	4.55E-10
6192	498774	3732821	9.65E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.10E-10	0.00E+00	0.00E+00	4.55E-10
6193	498778.7	3732812	9.66E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.45E-10	3.10E-10	0.00E+00	0.00E+00	4.56E-10
6194	498783.3	3732804	9.67E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.56E-10
6195	498788	3732795	9.68E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.57E-10
6196	498792.7	3732786	9.69E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.57E-10
6197	498797.3	3732778	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.58E-10
6198	498802	3732769	9.71E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.58E-10
6199	498806.6	3732760	9.72E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.59E-10
6200	498811.3	3732752	9.73E-10	1.79E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-10	1.79E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.59E-10
6201	498816	3732743	9.74E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.60E-10
6202	498820.6	3732734	9.75E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.60E-10
6203	498825.3	3732726	9.76E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.60E-10
6204	498829.9	3732717	9.77E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.61E-10
6205	498834.6	3732708	9.78E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.61E-10
6206	498839.3	3732700	9.79E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.62E-10
6207	498843.9	3732691	9.80E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	1.48E-10	3.15E-10	0.00E+00	0.00E+00	4.62E-10
6208	498848.6	3732682	9.81E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	1.48E-10	3.15E-10	0.00E+00	0.00E+00	4.63E-10
6209	498853.2	3732673	9.82E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	1.48E-10	3.15E-10	0.00E+00	0.00E+00	4.63E-10
6210	498857.9	3732665	9.83E-10	1.81E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-10	1.81E-09	0.00E+00	0.00E+00	2.80E-09	1.48E-10	3.16E-10	0.00E+00	0.00E+00	4.64E-10
6211	498862.6	3732656	9.84E-10	1.81E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-10	1.81E-09	0.00E+00	0.00E+00	2.80E-09	1.48E-10	3.16E-10	0.00E+00	0.00E+00	4.64E-10
6212	498867.2	3732647	9.85E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	1.48E-10	3.16E-10	0.00E+00	0.00E+00	4.65E-10
6213	498871.9	3732639	9.86E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	1.48E-10	3.17E-10	0.00E+00	0.00E+00	4.65E-10
6214	498876.5	3732630	9.87E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.66E-10
6215	498881.2	3732621	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.66E-10
6216	498885.9	3732613	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
6217	498890.5	3732604	9.90E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
6218	498895.2	3732595	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
6219	498899.8	3732587	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.19E-10	0.00E+00	0.00E+00	4.68E-10
6220	498904.5	3732578	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.19E-10	0.00E+00	0.00E+00	4.68E-10
6221	498909.2	3732569	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
6222	498913.8	3732561	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
6223	498918.5	3732552	9.95E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.69E-10
6224	498923.1	3732543	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
6225	498927.8	3732535	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
6226	498932.5	3732526	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
6227	498937.1	3732517	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.71E-10
6228	498941.8	3732509	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
6229	498946.4	3732500	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
6230	498951.1	3732491	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
6231	498955.8	3732483	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6232	498960.4	3732474	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6233	498965.1	3732465	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6234	498969.7	3732457	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6235	498974.4	3732448	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.72E-10
6236	498979.1	3732439	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.72E-10

6237	498983.7	3732430	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6238	498988.4	3732422	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6239	498993	3732413	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6240	498997.7	3732404	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6241	499002.4	3732396	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6242	499007	3732387	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6243	499011.7	3732378	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
6244	499016.3	3732370	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.72E-10
6245	499021	3732361	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.72E-10
6246	499025.7	3732352	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6247	499030.3	3732344	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6248	499035	3732335	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6249	499039.6	3732326	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
6250	499044.3	3732318	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
6251	499049	3732309	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
6252	499053.6	3732300	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
6253	499058.3	3732292	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.71E-10
6254	499062.9	3732283	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
6255	499067.6	3732274	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
6256	499072.3	3732266	9.95E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.69E-10
6257	499076.9	3732257	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
6258	499081.6	3732248	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
6259	499086.2	3732240	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.19E-10	0.00E+00	0.00E+00	4.68E-10
6260	499090.9	3732231	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.68E-10
6261	499095.6	3732222	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
6262	499100.2	3732213	9.90E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
6263	499104.9	3732205	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.66E-10
6264	499109.5	3732196	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.66E-10
6265	499114.2	3732187	9.87E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.65E-10
6266	499146.8	3732127	9.78E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.61E-10
6267	499151.5	3732118	9.77E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.61E-10
6268	499156.1	3732109	9.76E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.60E-10
6269	499160.8	3732101	9.75E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.60E-10
6270	499165.5	3732092	9.73E-10	1.79E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-10	1.79E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.59E-10
6271	499170.1	3732083	9.72E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.59E-10
6272	499174.8	3732075	9.71E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.58E-10
6273	499179.4	3732066	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.57E-10
6274	499184.1	3732057	9.68E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.57E-10
6275	499188.8	3732049	9.67E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.56E-10
6276	499193.4	3732040	9.66E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.45E-10	3.10E-10	0.00E+00	0.00E+00	4.55E-10
6277	499198.1	3732031	9.64E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.10E-10	0.00E+00	0.00E+00	4.55E-10
6278	499202.7	3732023	9.63E-10	1.77E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-10	1.77E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
6279	499207.4	3732014	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
6280	499221.9	3732004	9.69E-10	1.79E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-10	1.79E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.57E-10
6281	499231.7	3732003	9.78E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.61E-10
6282	499241.5	3732002	9.87E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.66E-10
6283	499251.3	3732001	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
6284	499261.1	3732000	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
6285	499270.9	3731999	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.79E-10
6286	499280.7	3731998	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.84E-10
6287	499290.5	3731998	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
6288	499300.3	3731997	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.36E-10	0.00E+00	0.00E+00	4.93E-10
6289	499310.1	3731996	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.39E-10	0.00E+00	0.00E+00	4.98E-10
6290	499319.9	3731995	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.03E-10
6291	499329.7	3731994	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
6292	499339.5	3731993	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
6293	499349.3	3731992	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.53E-10	0.00E+00	0.00E+00	5.18E-10
6294	499418	3731985	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.79E-10	0.00E+00	0.00E+00	5.57E-10
6295	499427.8	3731984	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.80E-10	3.83E-10	0.00E+00	0.00E+00	5.63E-10
6296	499437.6	3731983	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	1.82E-10	3.87E-10	0.00E+00	0.00E+00	5.69E-10
6297	499447.4	3731982	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.75E-10
6298	499457.2	3731981	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.96E-10	0.00E+00	0.00E+00	5.82E-10
6299	499467	3731980	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	1.88E-10	4.00E-10	0.00E+00	0.00E+00	5.88E-10
6300	499476.8	3731979	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.59E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.95E-10
6301	499486.6	3731978	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.01E-10
6302	499496.4	3731978	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
6303	499506.2	3731977	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	1.96E-10	4.19E-10	0.00E+00	0.00E+00	6.15E-10
6304	499516	3731976	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.22E-10
6305	499525.8	3731975	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
6306	499535.6	3731974	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.03E-10	4.34E-10	0.00E+00	0.00E+00	6.37E-10
6307	499545.4	3731973	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	2.06E-10	4.39E-10	0.00E+00	0.00E+00	6.44E-10
6308	499555.2	3731972	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.52E-10
6309	499565	3731971	1.399E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.49E-10	0.00E+00	0.00E+00	6.60E-10
6310	499574.8	3731970	1.415E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.68E-10
6311	499584.7	3731969	1.432E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	2.16E-10	4.60E-10	0.00E+00	0.00E+00	6.76E-10
6312	499594.5	3731968	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.66E-10	0.00E+00	0.00E+00	6.84E-10
6313	499604.3	3731967	1.467E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.92E-10
6314	499614.1	3731966	1.485E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.01E-10
6315	499623.9	3731965	1.504E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.09E-10
6316	499633.7	3731964	1.522E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
6317	499643.5	3731963	1.541E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
6318	499653.3	3731962	1.561E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
6319	499663.1	3731961	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
6320	499672.9	3731960	1.6E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.55E-10
6321	499682.7	3731959	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
6322	499692.5	3731958	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.74E-10
6323	499702.3	3731958	1.661E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.84E-10
6324	499712.1	3731957	1.682E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
6325	499721.9	3731956	1.703E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	2.56E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
6326	499731.7	3731955	1.725E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.60E-10	5.54E-10	0.00E+00	0.00E+00	8.14E-10
6327	499741.5	3731954	1.747E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	2.63E-10	5.61E-10	0.00E+00	0.00E+00	8.24E-10
6328	499751.3	3731953	1.769E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.35E-10
6329	499761.1	3731952	1.792E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.70E-10	5.75E-10	0.00E+00	0.00E+00	8.45E-10
6330	499771	3731951	1.814E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.56E-10
6331	499780.8	3731950	1.837E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
6332	499790.6	3731949	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.78E-10
6333	499800.4	3731948	1.884E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.89E-10
6334	499810.2	3731947	1.908E-09	3.52E-09	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.42E-09	2.87E-10	6.13E-10	0.00E+00	0.00E+00	9.00E-10
6335	499820	3731946	1.932E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.11E-10
6336	499829.8	3731945	1.956E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	2.94E-10	6.28E-10	0.00E+00	0.00E+00	9.22E-10
6337	499839.6	3731944	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
6338	499849.4	3731943	2.004E-09	3.69E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.46E-10
6339	499859.2	3731942	2.029E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.57E-10
6340	499869	3731941	2.054E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.79E-09	0.00E+00	0.00E+00	5.84E-09	3.09E-10	6.60E-10	0.00E+00	0.00E+00	9.69E-10
6341	499878.8	3731940	2.079E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
6342	499888.6	3731939	2.104E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.76E-10	0.00E+00	0.00E+00	9.92E-10
6343	499898.4	3731938	2.129E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	3.21E-10	6.84E-10	0.00E+00	0.00E+00	1.00E-09
6344	499908.2	3731938	2.154E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	3.24E-10	6.92E-10	0.00E+00	0.00E+00	1.02E-09
6345	499918	3731937	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
6346	499927.8	3731936	2.205E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.08E-10	0.00E+00	0.00E+00	1.04E-09
6347	499937.6	3731935	2.231E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
6348	499947.4	3731934	2.256E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.06E-09
6349	499957.3	3731933	2.282E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
6350	499967.1	3731932	2.307E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
6351	499976.9	3731931	2.332E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
6352	499986.7	3731930	2.358E-09	4.35E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.70E-09	3.55E-10	7.57E-10	0.00E+00	0.00E+00	1.11E-09
6353	499996.5	3731929	2.383E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	3.59E-10	7.65E-10	0.00E+00	0.00E+00	1.12E-09
6354	500006.3	3731928	2.408E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	3.63E-10	7.73E-10	0.00E+00	0.00E+00	1.14E-09
6355	500016.1	3731927	2.433E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
6356	500025.9	3731926	2.458E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.89E-10	0.00E+00	0.00E+00	1.16E-09
6357	500035.7	3731925	2.483E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	3.74E-10	7.97E-10	0.00E+00	0.00E+00	1.17E-09
6358	500045.5	3731924	2.507E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
6359	500055.3	3731923	2.532E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.13E-10	0.00E+00	0.00E+00	1.19E-09
6360	500065.1	3731922	2.556E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
6361	500074.9	3731921	2.579E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
6362	500084.7	3731920	2.603E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.36E-10	0.00E+00	0.00E+00	1.23E-09
6363	500094.5	3731919	2.626E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	3.95E-10	8.43E-10	0.00E+00	0.00E+00	1.24E-09
6364	500104.3	3731918	2.649E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
6365	500114.1	3731917	2.671E-09	4.92E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.60E-09	4.02E-10	8.58E-10	0.00E+00	0.00E+00	1.26E-09
6366	500123.9	3731917	2.694E-09	4.96E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.66E-09	4.06E-10	8.65E-10	0.00E+00	0.00E+00	1.27E-09

6367	500133.7	3731916	2.715E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
6368	500143.6	3731915	2.737E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
6369	500153.4	3731914	2.758E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.86E-10	0.00E+00	0.00E+00	1.30E-09
6370	500163.2	3731913	2.778E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
6371	500173	3731912	2.798E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
6372	500182.8	3731911	2.817E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
6373	500192.6	3731910	2.836E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	4.27E-10	9.11E-10	0.00E+00	0.00E+00	1.34E-09
6374	500202.4	3731909	2.855E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
6375	500212.2	3731908	2.872E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
6376	500222	3731907	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	4.35E-10	9.28E-10	0.00E+00	0.00E+00	1.36E-09
6377	500231.8	3731906	2.906E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	4.38E-10	9.33E-10	0.00E+00	0.00E+00	1.37E-09
6378	500241.6	3731905	2.923E-09	5.39E-09	0.00E+00	0.00E+00	8.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.39E-09	0.00E+00	0.00E+00	8.31E-09	4.40E-10	9.39E-10	0.00E+00	0.00E+00	1.38E-09
6379	500280.8	3731901	2.981E-09	5.49E-09	0.00E+00	0.00E+00	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.48E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
6380	498698.8	3733268	1.095E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.16E-10
6381	498698.8	3733277	1.1E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.53E-10	0.00E+00	0.00E+00	5.19E-10
6382	499638.4	3733557	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.46E-09
6383	499627.7	3733545	1.296E-08	2.39E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.39E-08	0.00E+00	0.00E+00	3.68E-08	1.95E-09	4.16E-09	0.00E+00	0.00E+00	6.11E-09
6384	499620.9	3733582	1.264E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.06E-09	0.00E+00	0.00E+00	5.96E-09
6385	499610.4	3733569	1.201E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.66E-09
6386	499599.8	3733557	1.139E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.37E-09
6387	499589.3	3733545	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.10E-09
6388	499632.9	3733593	1.339E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.30E-09	0.00E+00	0.00E+00	6.32E-09
6389	499603.4	3733606	1.171E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.53E-09
6390	499593	3733594	1.116E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.58E-09	0.00E+00	0.00E+00	5.26E-09
6391	499582.6	3733582	1.063E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	1.60E-09	3.41E-09	0.00E+00	0.00E+00	5.01E-09
6392	499572.1	3733570	1.011E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.77E-09
6393	499561.7	3733557	9.615E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.54E-09
6394	499551.3	3733545	9.139E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.31E-09
6395	499540.9	3733533	8.685E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
6396	499615.3	3733617	1.236E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
6397	499585.7	3733630	1.088E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.13E-09
6398	499574.9	3733618	1.038E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	1.56E-09	3.33E-09	0.00E+00	0.00E+00	4.90E-09
6399	499564.2	3733605	9.893E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
6400	499553.5	3733593	9.422E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.44E-09
6401	499542.7	3733580	8.968E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.23E-09
6402	499532	3733567	8.531E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.02E-09
6403	499521.2	3733555	8.113E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.83E-09
6404	499597.8	3733641	1.146E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.73E-09	3.68E-09	0.00E+00	0.00E+00	5.40E-09
6405	499568.2	3733655	1.015E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
6406	499557.5	3733642	9.709E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
6407	499546.9	3733630	9.281E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
6408	499536.3	3733617	8.864E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	1.33E-09	2.85E-09	0.00E+00	0.00E+00	4.18E-09
6409	499525.7	3733605	8.46E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.27E-09	2.72E-09	0.00E+00	0.00E+00	3.99E-09
6410	499580.2	3733666	1.065E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	1.60E-09	3.42E-09	0.00E+00	0.00E+00	5.03E-09
6411	499550.6	3733679	9.492E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
6412	499540.1	3733667	9.105E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.29E-09
6413	499529.6	3733654	8.725E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.31E-09	2.80E-09	0.00E+00	0.00E+00	4.12E-09
6414	499352.6	3733295	3.635E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
6415	499562.6	3733690	9.939E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
6416	499527.1	3733711	8.714E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.31E-09	2.80E-09	0.00E+00	0.00E+00	4.11E-09
6417	499354.4	3733469	4.251E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
6418	499350.6	3733454	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
6419	499346.8	3733438	4.051E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	6.10E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
6420	499343	3733422	3.954E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.29E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
6421	499339.2	3733406	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
6422	499335.4	3733390	3.768E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
6423	499331.6	3733374	3.678E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
6424	499327.8	3733358	3.591E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
6425	499324	3733342	3.506E-09	6.46E-09	0.00E+00	0.00E+00	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.46E-09	0.00E+00	0.00E+00	9.97E-09	5.28E-10	1.13E-09	0.00E+00	0.00E+00	1.65E-09
6426	499320.2	3733326	3.423E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
6427	499316.4	3733311	3.342E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
6428	499312.6	3733295	3.265E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
6429	499539.2	3733722	9.101E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.29E-09
6430	499503.7	3733744	8.035E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.58E-09	0.00E+00	0.00E+00	3.79E-09
6431	499460.8	3733694	6.881E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
6432	499450	3733681	6.609E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.95E-10	2.12E-09	0.00E+00	0.00E+00	3.12E-09
6433	499439.3	3733669	6.344E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.55E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
6434	499353.5	3733568	4.557E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	6.86E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
6435	499342.8	3733556	4.376E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	6.59E-10	1.41E-09	0.00E+00	0.00E+00	2.06E-09
6436	499330.1	3733535	4.156E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
6437	499326.3	3733519	4.063E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.30E-09	0.00E+00	0.00E+00	1.92E-09
6438	499322.5	3733503	3.972E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.28E-09	0.00E+00	0.00E+00	1.87E-09
6439	499318.6	3733487	3.882E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
6440	499314.8	3733471	3.794E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
6441	499311	3733455	3.707E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
6442	499307.1	3733439	3.623E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
6443	499303.3	3733423	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
6444	499299.5	3733407	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
6445	499295.6	3733391	3.381E-09	6.23E-09	0.00E+00	0.00E+00	9.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	6.23E-09	0.00E+00	0.00E+00	9.61E-09	5.09E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
6446	499291.8	3733375	3.305E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
6447	499288	3733359	3.231E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
6448	499284.1	3733343	3.159E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.76E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
6449	499280.3	3733327	3.088E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
6450	499276.5	3733311	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	4.55E-10	9.70E-10	0.00E+00	0.00E+00	1.42E-09
6451	499272.6	3733295	2.953E-09	5.44E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.40E-09	4.45E-10	9.48E-10	0.00E+00	0.00E+00	1.39E-09
6452	499515.7	3733755	8.372E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
6453	499480.3	3733776	7.442E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
6454	499469.8	3733764	7.189E-09	1.33E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.33E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
6455	499459.3	3733752	6.938E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
6456	499448.8	3733739	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
6457	499438.3	3733727	6.448E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.71E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
6458	499427.8	3733715	6.211E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	9.35E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
6459	499417.3	3733703	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
6460	499354.2	3733629	4.742E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
6461	499343.7	3733617	4.562E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
6462	499333.2	3733604	4.39E-09	8.09E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.09E-09	0.00E+00	0.00E+00	1.25E-08	6.61E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
6463	499322.7	3733592	4.225E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
6464	499312.2	3733580	4.067E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
6465	499301.7	3733568	3.916E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
6466	499294.5	3733554	3.803E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
6467	499290.8	3733538	3.724E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
6468	499287	3733522	3.647E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
6469	499283.3	3733506	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
6470	499279.5	3733491	3.495E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.44E-09	0.00E+00	0.00E+00	9.94E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
6471	499275.8	3733475	3.422E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
6472	499272	3733459	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
6473	499268.2	3733444	3.279E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
6474	499264.5	3733428	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
6475	499260.7	3733412	3.143E-09	5.79E-09	0.00E+00	0.00E+00	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.94E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
6476	499257	3733396	3.077E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
6477	499253.2	3733381	3.013E-09	5.55E-09	0.00E+00	0.00E+00	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.57E-09	4.54E-10	9.68E-10	0.00E+00	0.00E+00	1.42E-09
6478	499249.5	3733365	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
6479	499245.7	3733349	2.889E-09	5.33E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.21E-09	4.35E-10	9.28E-10	0.00E+00	0.00E+00	1.36E-09
6480	499241.9	3733334	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	4.26E-10	9.09E-10	0.00E+00	0.00E+00	1.33E-09
6481	499238.2	3733318	2.772E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09
6482	499234.4	3733302	2.715E-09	5.01E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
6483	499492.3	3733787	7.733E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.65E-09
6484	499456.9	3733809	6.911E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
6485	499446.3	3733796	6.687E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.15E-09
6486	499435.7	3733784	6.465E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
6487	499425.1	3733771	6.245E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.40E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
6488	499414.5	3733759	6.029E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.08E-10	1.94E-09	0.00E+00	0.00E+00	2.84E-09
6489	499350.9	3733685	4.836E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
6490	499340.3	3733672	4.658E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
6491	499329.7	3733660	4.487E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
6492	499319.1	3733648	4.322E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	6.51E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
6493	499308.5	3733635	4.163E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
6494	499297.9	3733623	4.012E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
6495	499287.3	3733611	3.867E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
6496	499276.7	3733598	3.729E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09

6497	499266.1	3733586	3.597E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
6498	499258.9	3733572	3.498E-09	6.45E-09	0.00E+00	0.00E+00	9.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.94E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
6499	499255.1	3733556	3.428E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
6500	499251.3	3733540	3.359E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
6501	499247.5	3733524	3.292E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
6502	499243.7	3733508	3.226E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
6503	499239.9	3733492	3.161E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
6504	499236.2	3733477	3.097E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	4.66E-10	9.95E-10	0.00E+00	0.00E+00	1.46E-09
6505	499232.4	3733461	3.035E-09	5.59E-09	0.00E+00	0.00E+00	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.63E-09	4.57E-10	9.75E-10	0.00E+00	0.00E+00	1.43E-09
6506	499228.6	3733445	2.974E-09	5.48E-09	0.00E+00	0.00E+00	8.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.46E-09	4.48E-10	9.55E-10	0.00E+00	0.00E+00	1.40E-09
6507	499224.8	3733429	2.914E-09	5.37E-09	0.00E+00	0.00E+00	8.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.37E-09	0.00E+00	0.00E+00	8.29E-09	4.39E-10	9.36E-10	0.00E+00	0.00E+00	1.37E-09
6508	499221	3733413	2.856E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
6509	499217.2	3733397	2.799E-09	5.16E-09	0.00E+00	0.00E+00	7.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.96E-09	4.21E-10	8.99E-10	0.00E+00	0.00E+00	1.32E-09
6510	499213.4	3733381	2.744E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
6511	499209.6	3733366	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	4.05E-10	8.64E-10	0.00E+00	0.00E+00	1.27E-09
6512	499205.8	3733350	2.637E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	3.97E-10	8.47E-10	0.00E+00	0.00E+00	1.24E-09
6513	499202.1	3733334	2.585E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.30E-10	0.00E+00	0.00E+00	1.22E-09
6514	499198.3	3733318	2.535E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	3.82E-10	8.14E-10	0.00E+00	0.00E+00	1.20E-09
6515	499194.5	3733302	2.485E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	3.74E-10	7.98E-10	0.00E+00	0.00E+00	1.17E-09
6516	499468.9	3733820	7.168E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
6517	499433.4	3733841	6.441E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.70E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
6518	499422.7	3733828	6.242E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.40E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
6519	499412	3733816	6.043E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.10E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
6520	499337.3	3733729	4.741E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
6521	499326.6	3733716	4.573E-09	8.43E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.43E-09	0.00E+00	0.00E+00	1.30E-08	6.89E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
6522	499315.9	3733704	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
6523	499305.2	3733691	4.253E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
6524	499294.6	3733679	4.102E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
6525	499283.9	3733666	3.957E-09	7.29E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.29E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
6526	499273.2	3733654	3.818E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
6527	499262.5	3733641	3.685E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
6528	499251.8	3733629	3.557E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
6529	499241.2	3733616	3.435E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
6530	499230.5	3733604	3.318E-09	6.12E-09	0.00E+00	0.00E+00	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.43E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
6531	499223.2	3733590	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.18E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
6532	499219.4	3733574	3.168E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
6533	499215.6	3733558	3.107E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.98E-10	0.00E+00	0.00E+00	1.47E-09
6534	499211.8	3733542	3.048E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
6535	499208	3733526	2.989E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.60E-10	0.00E+00	0.00E+00	1.41E-09
6536	499204.1	3733510	2.931E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	4.41E-10	9.41E-10	0.00E+00	0.00E+00	1.38E-09
6537	499200.3	3733494	2.875E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
6538	499196.5	3733478	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	4.25E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
6539	499192.7	3733462	2.765E-09	5.10E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.86E-09	4.16E-10	8.88E-10	0.00E+00	0.00E+00	1.30E-09
6540	499188.9	3733446	2.712E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
6541	499185.1	3733430	2.661E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	4.01E-10	8.54E-10	0.00E+00	0.00E+00	1.26E-09
6542	499181.2	3733414	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
6543	499177.4	3733398	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	3.86E-10	8.22E-10	0.00E+00	0.00E+00	1.21E-09
6544	499173.6	3733382	2.512E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	3.78E-10	8.07E-10	0.00E+00	0.00E+00	1.18E-09
6545	499169.8	3733366	2.465E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
6546	499166	3733350	2.419E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.46E-09	0.00E+00	0.00E+00	6.88E-09	3.64E-10	7.77E-10	0.00E+00	0.00E+00	1.14E-09
6547	499162.2	3733334	2.373E-09	4.37E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.37E-09	0.00E+00	0.00E+00	6.75E-09	3.57E-10	7.62E-10	0.00E+00	0.00E+00	1.12E-09
6548	499158.3	3733318	2.329E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.51E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
6549	499154.5	3733302	2.286E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	3.44E-10	7.34E-10	0.00E+00	0.00E+00	1.08E-09
6550	499445.4	3733852	6.667E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.15E-09
6551	499409.9	3733873	6.021E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.07E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
6552	499291.7	3733735	4.184E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
6553	499280.9	3733723	4.041E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
6554	499270.1	3733710	3.902E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
6555	499259.4	3733698	3.769E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
6556	499248.6	3733685	3.641E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
6557	499237.9	3733672	3.517E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
6558	499227.1	3733660	3.399E-09	6.27E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.66E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
6559	499216.4	3733647	3.285E-09	6.06E-09	0.00E+00	0.00E+00	9.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.34E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
6560	499205.6	3733635	3.177E-09	5.86E-09	0.00E+00	0.00E+00	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.03E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
6561	499194.9	3733622	3.073E-09	5.66E-09	0.00E+00	0.00E+00	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.74E-09	4.63E-10	9.87E-10	0.00E+00	0.00E+00	1.45E-09
6562	499187.6	3733608	2.994E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
6563	499183.7	3733592	2.939E-09	5.42E-09	0.00E+00	0.00E+00	8.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.42E-09	0.00E+00	0.00E+00	8.36E-09	4.43E-10	9.44E-10	0.00E+00	0.00E+00	1.39E-09
6564	499179.9	3733576	2.885E-09	5.32E-09	0.00E+00	0.00E+00	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.20E-09	4.34E-10	9.27E-10	0.00E+00	0.00E+00	1.36E-09
6565	499176.1	3733560	2.832E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.05E-09	4.26E-10	9.09E-10	0.00E+00	0.00E+00	1.34E-09
6566	499172.2	3733544	2.779E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.93E-10	0.00E+00	0.00E+00	1.31E-09
6567	499168.4	3733527	2.728E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.76E-10	0.00E+00	0.00E+00	1.29E-09
6568	499164.5	3733511	2.678E-09	4.94E-09	0.00E+00	0.00E+00	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.61E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
6569	499160.7	3733495	2.628E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	3.96E-10	8.44E-10	0.00E+00	0.00E+00	1.24E-09
6570	499156.8	3733479	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.88E-10	8.29E-10	0.00E+00	0.00E+00	1.22E-09
6571	499153	3733463	2.533E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.13E-10	0.00E+00	0.00E+00	1.19E-09
6572	499149.2	3733447	2.487E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	3.74E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
6573	499145.3	3733431	2.441E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.50E-09	0.00E+00	0.00E+00	6.94E-09	3.68E-10	7.84E-10	0.00E+00	0.00E+00	1.15E-09
6574	499141.5	3733415	2.397E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.70E-10	0.00E+00	0.00E+00	1.13E-09
6575	499137.6	3733399	2.354E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	3.54E-10	7.56E-10	0.00E+00	0.00E+00	1.11E-09
6576	499133.8	3733383	2.311E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	3.48E-10	7.42E-10	0.00E+00	0.00E+00	1.09E-09
6577	499129.9	3733367	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
6578	499126.1	3733351	2.229E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
6579	499122.2	3733335	2.189E-09	4.04E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.22E-09	3.30E-10	7.03E-10	0.00E+00	0.00E+00	1.03E-09
6580	499118.4	3733318	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.01E-09
6581	499114.6	3733302	2.112E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
6582	499422	3733884	6.223E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
6583	499249.1	3733745	3.756E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
6584	499238.5	3733733	3.634E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
6585	499227.9	3733721	3.517E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
6586	499217.3	3733708	3.404E-09	6.27E-09	0.00E+00	0.00E+00	9.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.68E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
6587	499206.8	3733696	3.295E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
6588	499196.2	3733683	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	4.80E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
6589	499185.6	3733671	3.089E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
6590	499175	3733659	2.992E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
6591	499164.4	3733646	2.9E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.37E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
6592	499152	3733626	2.786E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	4.19E-10	8.95E-10	0.00E+00	0.00E+00	1.31E-09
6593	499148.2	3733610	2.738E-09	5.05E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
6594	499144.4	3733595	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	4.05E-10	8.64E-10	0.00E+00	0.00E+00	1.27E-09
6595	499140.6	3733579	2.644E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
6596	499136.9	3733563	2.598E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.91E-10	8.34E-10	0.00E+00	0.00E+00	1.23E-09
6597	499133.1	3733547	2.553E-09	4.71E-09	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.71E-09	0.00E+00	0.00E+00	7.26E-09	3.84E-10	8.20E-10	0.00E+00	0.00E+00	1.20E-09
6598	499129.3	3733531	2.509E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
6599	499125.5	3733515	2.465E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
6600	499121.7	3733500	2.423E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	3.65E-10	7.78E-10	0.00E+00	0.00E+00	1.14E-09
6601	499118	3733484	2.381E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	3.58E-10	7.65E-10	0.00E+00	0.00E+00	1.12E-09
6602	499114.2	3733468	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	3.52E-10	7.52E-10	0.00E+00	0.00E+00	1.10E-09
6603	499110.4	3733452	2.3E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.39E-10	0.00E+00	0.00E+00	1.09E-09
6604	499106.6	3733436	2.261E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.40E-10	7.26E-10	0.00E+00	0.00E+00	1.07E-09
6605	499102.8	3733421	2.223E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
6606	499099	3733405	2.185E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
6607	499095.3	3733389	2.148E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.23E-10	6.90E-10	0.00E+00	0.00E+00	1.01E-09
6608	499091.5	3733373	2.112E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
6609	499087.7	3733357	2.077E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
6610	499083.9	3733341	2.042E-09	3.76E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.81E-09	3.07E-10	6.56E-10	0.00E+00	0.00E+00	9.63E-10
6611	499080.1	3733326	2.008E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	3.02E-10	6.45E-10	0.00E+00	0.00E+00	9.47E-10
6612	499076.4	3733310	1.975E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.34E-10	0.00E+00	0.00E+00	9.32E-10
6613	499072.6	3733294	1.942E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.24E-10	0.00E+00	0.00E+00	9.16E-10
6614	499398.6	3733917	5.824E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
6615	499363.1	3733938	5.305E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	7.99E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
6616	499352.5	3733926	5.163E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
6617	499341.8	3733913	5.022E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
6618	499331.2	3733901	4.881E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
6619	499320.5	3733888	4.741E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
6620	499192.8	3733739	3.255E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	4.90E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
6621	499182.1	3733727	3.154E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.97E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
6622	499171.5	3733714	3.056E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	4.60E-10	9.82E-10	0.00E+00	0.00E+00	1.44E-09
6623	499160.8	3733702	2.963E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	4.46E-10	9.51E-10	0.00E+00	0.00E+00	1.40E-09
6624	499150.2	3733690	2.872E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
6625	499139.5	3733677	2.785E-09	5.13E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.13E-09	0.00E+00	0.00E+00	7.92E-09	4.19E-10	8.95E-10	0.00E+00	0.00E+00	1.31E-09
6626	499128.9	3733665	2.702E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.27E-09

6627	499116.3	3733644	2.6E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.91E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
6628	499112.5	3733628	2.557E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
6629	499108.7	3733612	2.514E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	3.78E-10	8.07E-10	0.00E+00	0.00E+00	1.19E-09
6630	499104.9	3733597	2.472E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	3.72E-10	7.94E-10	0.00E+00	0.00E+00	1.17E-09
6631	499101.1	3733581	2.431E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
6632	499097.3	3733565	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	3.60E-10	7.68E-10	0.00E+00	0.00E+00	1.13E-09
6633	499093.5	3733549	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	3.54E-10	7.55E-10	0.00E+00	0.00E+00	1.11E-09
6634	499089.7	3733533	2.311E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	3.48E-10	7.42E-10	0.00E+00	0.00E+00	1.09E-09
6635	499085.9	3733517	2.273E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.30E-10	0.00E+00	0.00E+00	1.07E-09
6636	499082.1	3733501	2.235E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.18E-10	0.00E+00	0.00E+00	1.05E-09
6637	499078.3	3733485	2.199E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	3.31E-10	7.06E-10	0.00E+00	0.00E+00	1.04E-09
6638	499074.5	3733469	2.163E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
6639	499070.7	3733453	2.127E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	3.20E-10	6.83E-10	0.00E+00	0.00E+00	1.00E-09
6640	499066.9	3733437	2.093E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.87E-10
6641	499063	3733421	2.059E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
6642	499059.2	3733405	2.025E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	3.05E-10	6.50E-10	0.00E+00	0.00E+00	9.55E-10
6643	499055.4	3733390	1.992E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.40E-10
6644	499051.6	3733374	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.57E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.25E-10
6645	499047.8	3733358	1.929E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.10E-10
6646	499044	3733342	1.898E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	2.86E-10	6.09E-10	0.00E+00	0.00E+00	8.95E-10
6647	499040.2	3733326	1.867E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	6.00E-10	0.00E+00	0.00E+00	8.81E-10
6648	499036.4	3733310	1.837E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
6649	499032.6	3733294	1.808E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
6650	499339.7	3733971	4.996E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.52E-10	1.60E-09	0.00E+00	0.00E+00	2.36E-09
6651	499328.9	3733958	4.868E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	7.33E-10	1.56E-09	0.00E+00	0.00E+00	2.30E-09
6652	499318.2	3733946	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
6653	499307.5	3733933	4.612E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.94E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
6654	499296.8	3733921	4.484E-09	8.27E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.27E-09	0.00E+00	0.00E+00	1.27E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
6655	499286.1	3733908	4.358E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
6656	499275.4	3733896	4.233E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
6657	499146.9	3733745	2.933E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	4.42E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
6658	499136.1	3733733	2.845E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	4.28E-10	9.14E-10	0.00E+00	0.00E+00	1.34E-09
6659	499125.4	3733720	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	4.16E-10	8.86E-10	0.00E+00	0.00E+00	1.30E-09
6660	499114.7	3733708	2.679E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
6661	499104	3733695	2.601E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.92E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
6662	499093.3	3733683	2.526E-09	4.66E-09	0.00E+00	0.00E+00	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.18E-09	3.80E-10	8.11E-10	0.00E+00	0.00E+00	1.19E-09
6663	499080.7	3733662	2.433E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
6664	499076.9	3733646	2.394E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	3.60E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
6665	499073	3733630	2.356E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	3.55E-10	7.56E-10	0.00E+00	0.00E+00	1.11E-09
6666	499069.2	3733614	2.318E-09	4.27E-09	0.00E+00	0.00E+00	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.59E-09	3.49E-10	7.44E-10	0.00E+00	0.00E+00	1.09E-09
6667	499065.4	3733598	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.32E-10	0.00E+00	0.00E+00	1.08E-09
6668	499061.5	3733582	2.244E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
6669	499057.7	3733566	2.208E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
6670	499053.9	3733550	2.172E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.02E-09
6671	499050.1	3733534	2.138E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
6672	499046.2	3733518	2.104E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.76E-10	0.00E+00	0.00E+00	9.92E-10
6673	499042.4	3733502	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.76E-10
6674	499038.6	3733486	2.037E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	3.07E-10	6.54E-10	0.00E+00	0.00E+00	9.61E-10
6675	499034.7	3733470	2.005E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.46E-10
6676	499030.9	3733454	1.974E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.34E-10	0.00E+00	0.00E+00	9.31E-10
6677	499027.1	3733438	1.943E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.93E-10	6.24E-10	0.00E+00	0.00E+00	9.16E-10
6678	499023.3	3733422	1.913E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
6679	499019.4	3733406	1.883E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.83E-10	6.05E-10	0.00E+00	0.00E+00	8.88E-10
6680	499015.6	3733390	1.854E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.74E-10
6681	499011.8	3733374	1.825E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.61E-10
6682	499007.9	3733358	1.797E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.71E-10	5.77E-10	0.00E+00	0.00E+00	8.48E-10
6683	499004.1	3733342	1.769E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.35E-10
6684	499000.3	3733326	1.742E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.60E-10	0.00E+00	0.00E+00	8.22E-10
6685	498996.5	3733310	1.716E-09	3.16E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.16E-09	0.00E+00	0.00E+00	4.88E-09	2.58E-10	5.51E-10	0.00E+00	0.00E+00	8.09E-10
6686	498992.6	3733294	1.689E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.43E-10	0.00E+00	0.00E+00	7.97E-10
6687	499351.7	3733982	5.141E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
6688	499316.2	3734003	4.716E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
6689	499305.4	3733990	4.6E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.48E-09	0.00E+00	0.00E+00	1.31E-08	6.93E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
6690	499294.7	3733978	4.483E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
6691	499283.9	3733965	4.366E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.57E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
6692	499273.1	3733953	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
6693	499262.3	3733940	4.134E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
6694	499251.6	3733928	4.019E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
6695	499240.8	3733915	3.905E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
6696	499230	3733902	3.794E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
6697	499219.3	3733890	3.685E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
6698	499208.5	3733877	3.578E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
6699	499197.7	3733865	3.473E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
6700	499187	3733852	3.371E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
6701	499090	3733739	2.579E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
6702	499079.3	3733726	2.506E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
6703	499068.5	3733714	2.435E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
6704	499057.7	3733701	2.367E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	3.56E-10	7.60E-10	0.00E+00	0.00E+00	1.12E-09
6705	499045	3733681	2.283E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
6706	499041.2	3733664	2.247E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
6707	499037.3	3733648	2.212E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	3.33E-10	7.10E-10	0.00E+00	0.00E+00	1.04E-09
6708	499033.5	3733632	2.178E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	6.99E-10	0.00E+00	0.00E+00	1.03E-09
6709	499029.6	3733616	2.144E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
6710	499025.8	3733600	2.111E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
6711	499021.9	3733584	2.079E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
6712	499018.1	3733568	2.047E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	3.08E-10	6.57E-10	0.00E+00	0.00E+00	9.65E-10
6713	499014.2	3733552	2.015E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.73E-09	3.03E-10	6.47E-10	0.00E+00	0.00E+00	9.50E-10
6714	499010.4	3733536	1.984E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.36E-10
6715	499006.5	3733520	1.954E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.22E-10
6716	499002.7	3733503	1.924E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.08E-10
6717	498998.8	3733487	1.895E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	2.85E-10	6.09E-10	0.00E+00	0.00E+00	8.94E-10
6718	498995	3733471	1.866E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	5.99E-10	0.00E+00	0.00E+00	8.80E-10
6719	498991.1	3733455	1.838E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
6720	498987.3	3733439	1.811E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.54E-10
6721	498983.4	3733423	1.784E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.29E-09	0.00E+00	0.00E+00	5.07E-09	2.69E-10	5.73E-10	0.00E+00	0.00E+00	8.41E-10
6722	498979.6	3733407	1.757E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.64E-10	0.00E+00	0.00E+00	8.29E-10
6723	498975.7	3733391	1.731E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.17E-10
6724	498971.9	3733375	1.705E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.04E-10
6725	498968	3733358	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
6726	498964.2	3733342	1.655E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	2.49E-10	5.32E-10	0.00E+00	0.00E+00	7.81E-10
6727	498960.3	3733326	1.631E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.24E-10	0.00E+00	0.00E+00	7.69E-10
6728	498956.5	3733310	1.607E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
6729	498952.6	3733294	1.583E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.47E-10
6730	499328.3	3734014	4.847E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	7.30E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
6731	499295.4	3734032	4.488E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
6732	499284.8	3734020	4.383E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
6733	499274.2	3734007	4.278E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
6734	499263.6	3733995	4.172E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
6735	499253.1	3733983	4.067E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
6736	499242.5	3733970	3.962E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
6737	499231.9	3733958	3.858E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
6738	499221.3	3733946	3.755E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
6739	499210.8	3733933	3.654E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
6740	499200.2	3733921	3.555E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	5.35E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
6741	499189.6	3733909	3.457E-09	6.37E-09	0.00E+00	0.00E+00	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.37E-09	0.00E+00	0.00E+00	9.83E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
6742	499179	3733896	3.361E-09	6.19E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.56E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
6743	499168.5	3733884	3.267E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
6744	499157.9	3733872	3.175E-09	5.85E-09	0.00E+00	0.00E+00	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.85E-09	0.00E+00	0.00E+00	9.03E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
6745	499147.3	3733859	3.086E-09	5.69E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.77E-09	4.65E-10	9.91E-10	0.00E+00	0.00E+00	1.46E-09
6746	499041.6	3733736	2.329E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.51E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
6747	499031	3733723	2.267E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.44E-09	3.41E-10	7.28E-10	0.00E+00	0.00E+00	1.07E-09
6748	499020.4	3733711	2.207E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
6749	499013.3	3733697	2.162E-09	3.98E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.15E-09	3.25E-10	6.94E-10	0.00E+00	0.00E+00	1.02E-09
6750	499009.5	3733681	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.05E-09	3.21E-10	6.84E-10	0.00E+00	0.00E+00	1.00E-09
6751	499005.7	3733665	2.098E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.74E-10	0.00E+00	0.00E+00	9.90E-10
6752	499001.9	3733649	2.067E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.75E-10
6753	498998.1	3733634	2.037E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.75E-09	0.00E+00	0.00E+00	5.79E-09	3.07E-10	6.54E-10	0.00E+00	0.00E+00	9.61E-10
6754	498994.4	3733618	2.007E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	3.02E-10	6.45E-10	0.00E+00	0.00E+00	9.47E-10
6755	498990.6	3733602	1.978E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.62E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
6756	498986.8	3733586	1.949E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10

6757	498983	3733570	1.921E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.17E-10	0.00E+00	0.00E+00	9.06E-10
6758	498979.2	3733555	1.893E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.93E-10
6759	498975.5	3733539	1.866E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	2.81E-10	5.99E-10	0.00E+00	0.00E+00	8.80E-10
6760	498971.7	3733523	1.839E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.91E-10	0.00E+00	0.00E+00	8.67E-10
6761	498967.9	3733507	1.812E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.55E-10
6762	498964.1	3733491	1.787E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.43E-10
6763	498960.3	3733476	1.761E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.65E-10	5.66E-10	0.00E+00	0.00E+00	8.31E-10
6764	498956.6	3733460	1.736E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	2.61E-10	5.58E-10	0.00E+00	0.00E+00	8.19E-10
6765	498952.8	3733444	1.712E-09	3.15E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.07E-10
6766	498949	3733428	1.687E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.96E-10
6767	498945.2	3733412	1.664E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.85E-10
6768	498941.4	3733396	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.74E-10
6769	498937.7	3733381	1.617E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.19E-10	0.00E+00	0.00E+00	7.63E-10
6770	498933.9	3733365	1.595E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
6771	498930.1	3733349	1.572E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
6772	498926.3	3733333	1.551E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.33E-10	4.98E-10	0.00E+00	0.00E+00	7.31E-10
6773	498922.5	3733317	1.529E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	2.30E-10	4.91E-10	0.00E+00	0.00E+00	7.21E-10
6774	498918.8	3733302	1.508E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.11E-10
6775	499307.4	3734043	4.607E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	6.94E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
6776	499274.4	3734061	4.276E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
6777	499263.9	3734049	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
6778	499253.3	3734036	4.082E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
6779	499242.7	3734024	3.985E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
6780	499232.1	3734012	3.888E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.85E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
6781	499221.5	3733999	3.791E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
6782	499210.9	3733987	3.695E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
6783	499200.3	3733974	3.6E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
6784	499189.8	3733962	3.507E-09	6.46E-09	0.00E+00	0.00E+00	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.46E-09	0.00E+00	0.00E+00	9.97E-09	5.28E-10	1.13E-09	0.00E+00	0.00E+00	1.65E-09
6785	499179.2	3733950	3.414E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
6786	499168.6	3733937	3.323E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
6787	499158	3733925	3.234E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
6788	499147.4	3733913	3.146E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
6789	499136.8	3733900	3.061E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.70E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
6790	499126.2	3733888	2.977E-09	5.49E-09	0.00E+00	0.00E+00	8.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.46E-09	4.48E-10	9.56E-10	0.00E+00	0.00E+00	1.40E-09
6791	499115.6	3733876	2.896E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
6792	499105.1	3733863	2.816E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.04E-10	0.00E+00	0.00E+00	1.33E-09
6793	498999.2	3733740	2.147E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.90E-10	0.00E+00	0.00E+00	1.01E-09
6794	498988.6	3733727	2.092E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.87E-10
6795	498981.4	3733713	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	3.09E-10	6.58E-10	0.00E+00	0.00E+00	9.67E-10
6796	498977.6	3733697	2.021E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	3.04E-10	6.49E-10	0.00E+00	0.00E+00	9.53E-10
6797	498973.9	3733681	1.992E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.40E-10
6798	498970.1	3733666	1.964E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.26E-10
6799	498966.3	3733650	1.936E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.22E-10	0.00E+00	0.00E+00	9.13E-10
6800	498962.5	3733634	1.908E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.87E-10	6.13E-10	0.00E+00	0.00E+00	9.00E-10
6801	498958.7	3733618	1.882E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.88E-10
6802	498954.9	3733602	1.855E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.96E-10	0.00E+00	0.00E+00	8.75E-10
6803	498951.2	3733586	1.829E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.63E-10
6804	498947.4	3733571	1.804E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.79E-10	0.00E+00	0.00E+00	8.51E-10
6805	498943.6	3733555	1.778E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.71E-10	0.00E+00	0.00E+00	8.39E-10
6806	498939.8	3733539	1.754E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.99E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.27E-10
6807	498936	3733523	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.16E-10
6808	498932.2	3733507	1.706E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.05E-10
6809	498928.5	3733491	1.682E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.94E-10
6810	498924.7	3733476	1.659E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
6811	498920.9	3733460	1.637E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.26E-10	0.00E+00	0.00E+00	7.72E-10
6812	498917.1	3733444	1.614E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.18E-10	0.00E+00	0.00E+00	7.62E-10
6813	498913.3	3733428	1.592E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.11E-10	0.00E+00	0.00E+00	7.51E-10
6814	498909.5	3733412	1.571E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.04E-10	0.00E+00	0.00E+00	7.41E-10
6815	498905.7	3733397	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.33E-10	4.98E-10	0.00E+00	0.00E+00	7.31E-10
6816	498902	3733381	1.529E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	2.30E-10	4.91E-10	0.00E+00	0.00E+00	7.21E-10
6817	498898.2	3733365	1.508E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.11E-10
6818	498894.4	3733349	1.488E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.02E-10
6819	498890.6	3733333	1.468E-09	2.71E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.92E-10
6820	498886.8	3733317	1.448E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.83E-10
6821	498883	3733302	1.428E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.74E-10
6822	499286.4	3734072	4.386E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
6823	499253.5	3734090	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
6824	499242.9	3734078	3.991E-09	7.36E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.13E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
6825	499232.3	3734065	3.902E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
6826	499221.7	3734053	3.812E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
6827	499211.1	3734040	3.721E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.60E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
6828	499200.5	3734028	3.632E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
6829	499189.9	3734016	3.543E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
6830	499179.3	3734003	3.455E-09	6.37E-09	0.00E+00	0.00E+00	9.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.37E-09	0.00E+00	0.00E+00	9.82E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
6831	499168.7	3733991	3.368E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
6832	499158.1	3733979	3.282E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
6833	499147.5	3733966	3.197E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
6834	499136.9	3733954	3.114E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
6835	499126.4	3733941	3.032E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
6836	499115.8	3733929	2.952E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.45E-10	9.48E-10	0.00E+00	0.00E+00	1.39E-09
6837	499105.2	3733917	2.874E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
6838	499094.6	3733904	2.798E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
6839	499084	3733892	2.723E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	4.10E-10	8.75E-10	0.00E+00	0.00E+00	1.28E-09
6840	498956.8	3733743	1.987E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.37E-10
6841	498949.6	3733729	1.948E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.26E-10	0.00E+00	0.00E+00	9.19E-10
6842	498945.8	3733713	1.921E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.17E-10	0.00E+00	0.00E+00	9.06E-10
6843	498942	3733698	1.895E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.94E-10
6844	498938.2	3733682	1.869E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	6.00E-10	0.00E+00	0.00E+00	8.81E-10
6845	498934.5	3733666	1.843E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.77E-10	5.92E-10	0.00E+00	0.00E+00	8.69E-10
6846	498930.7	3733650	1.818E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.57E-10
6847	498926.9	3733634	1.793E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
6848	498923.1	3733618	1.768E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.34E-10
6849	498919.3	3733603	1.745E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.23E-10
6850	498915.5	3733587	1.721E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
6851	498911.7	3733571	1.698E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	2.56E-10	5.45E-10	0.00E+00	0.00E+00	8.01E-10
6852	498907.9	3733555	1.675E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.90E-10
6853	498904.2	3733539	1.653E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	2.49E-10	5.31E-10	0.00E+00	0.00E+00	7.80E-10
6854	498900.4	3733523	1.631E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.24E-10	0.00E+00	0.00E+00	7.69E-10
6855	498896.6	3733507	1.609E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	2.42E-10	5.17E-10	0.00E+00	0.00E+00	7.59E-10
6856	498892.8	3733492	1.588E-09	2.93E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.49E-10
6857	498889	3733476	1.567E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.03E-10	0.00E+00	0.00E+00	7.39E-10
6858	498885.2	3733460	1.546E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.29E-10
6859	498881.4	3733444	1.526E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	2.30E-10	4.90E-10	0.00E+00	0.00E+00	7.20E-10
6860	498877.6	3733428	1.506E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.10E-10
6861	498873.9	3733412	1.486E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.01E-10
6862	498870.1	3733397	1.467E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.92E-10
6863	498866.3	3733381	1.448E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.12E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.83E-10
6864	498862.5	3733365	1.429E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.74E-10
6865	498858.7	3733349	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	2.12E-10	4.53E-10	0.00E+00	0.00E+00	6.65E-10
6866	498854.9	3733333	1.392E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.57E-10
6867	498851.1	3733317	1.374E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.41E-10	0.00E+00	0.00E+00	6.48E-10
6868	498847.3	3733301	1.356E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.35E-10	0.00E+00	0.00E+00	6.40E-10
6869	499265.5	3734101	4.181E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
6870	499222	3734106	3.816E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
6871	499211.4	3734094	3.733E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
6872	499200.8	3734082	3.649E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
6873	499190.2	3734069	3.566E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
6874	499179.6	3734057	3.484E-09	6.42E-09	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.91E-09	5.25E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
6875	499168.9	3734045	3.401E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
6876	499158.3	3734032	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
6877	499147.7	3734020	3.239E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
6878	499137.1	3734007	3.158E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.76E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
6879	499126.5	3733995	3.079E-09	5.68E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.75E-09	4.64E-10	9.89E-10	0.00E+00	0.00E+00	1.45E-09
6880	499115.9	3733983	3.001E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	4.52E-10	9.64E-10	0.00E+00	0.00E+00	1.42E-09
6881	499105.3	3733970	2.925E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	4.40E-10	9.39E-10	0.00E+00	0.00E+00	1.38E-09
6882	499094.7	3733958	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
6883	499084.1	3733945	2.777E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
6884	499073.5	3733933	2.705E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.69E-10	0.00E+00	0.00E+00	1.28E-09
6885	499062.9	3733921	2.635E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	3.97E-10	8.46E-10	0.00E+00	0.00E+00	1.24E-09
6886	499052.3	3733908	2.566E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09

6887	499041.7	3733896	2.5E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	3.76E-10	8.03E-10	0.00E+00	0.00E+00	1.18E-09
6888	498917.8	3733746	1.854E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.96E-10	0.00E+00	0.00E+00	8.75E-10
6889	498914	3733730	1.829E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.75E-10	5.88E-10	0.00E+00	0.00E+00	8.63E-10
6890	498910.2	3733714	1.805E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.51E-10
6891	498906.4	3733698	1.781E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.06E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
6892	498902.6	3733682	1.757E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.64E-10	0.00E+00	0.00E+00	8.29E-10
6893	498898.8	3733666	1.734E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.57E-10	0.00E+00	0.00E+00	8.18E-10
6894	498895	3733650	1.711E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.58E-10	5.49E-10	0.00E+00	0.00E+00	8.07E-10
6895	498891.2	3733635	1.688E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.96E-10
6896	498887.5	3733619	1.666E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.86E-10
6897	498883.7	3733603	1.644E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	2.48E-10	5.28E-10	0.00E+00	0.00E+00	7.76E-10
6898	498879.9	3733587	1.623E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.66E-10
6899	498876.1	3733571	1.602E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.56E-10
6900	498872.3	3733555	1.581E-09	2.91E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.50E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.46E-10
6901	498868.5	3733539	1.561E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
6902	498864.7	3733523	1.541E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
6903	498860.9	3733508	1.521E-09	2.80E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
6904	498857.1	3733492	1.502E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.82E-10	0.00E+00	0.00E+00	7.08E-10
6905	498853.3	3733476	1.483E-09	2.73E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.22E-09	2.23E-10	4.76E-10	0.00E+00	0.00E+00	6.99E-10
6906	498849.5	3733460	1.464E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.70E-10	0.00E+00	0.00E+00	6.91E-10
6907	498845.8	3733444	1.446E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.82E-10
6908	498842	3733428	1.427E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.73E-10
6909	498838.2	3733412	1.409E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	2.12E-10	4.53E-10	0.00E+00	0.00E+00	6.65E-10
6910	498834.4	3733397	1.391E-09	2.56E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.96E-09	2.09E-10	4.47E-10	0.00E+00	0.00E+00	6.56E-10
6911	498830.6	3733381	1.374E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.41E-10	0.00E+00	0.00E+00	6.48E-10
6912	498826.8	3733365	1.357E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.36E-10	0.00E+00	0.00E+00	6.40E-10
6913	498823	3733349	1.339E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.30E-10	0.00E+00	0.00E+00	6.32E-10
6914	498819.2	3733333	1.323E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.24E-10
6915	498815.4	3733317	1.306E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	1.97E-10	4.19E-10	0.00E+00	0.00E+00	6.16E-10
6916	498811.6	3733301	1.289E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
6917	499179.8	3734111	3.499E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
6918	499169.2	3734098	3.422E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
6919	499158.6	3734086	3.345E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
6920	499148	3734073	3.268E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
6921	499137.3	3734061	3.192E-09	5.88E-09	0.00E+00	0.00E+00	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.08E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
6922	499126.7	3734049	3.117E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.74E-09	0.00E+00	0.00E+00	8.86E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
6923	499116.1	3734036	3.042E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.43E-09
6924	499105.5	3734024	2.968E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	4.47E-10	9.53E-10	0.00E+00	0.00E+00	1.40E-09
6925	499094.9	3734011	2.895E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
6926	499084.3	3733999	2.823E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
6927	499073.6	3733987	2.753E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.83E-09	4.15E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
6928	499063	3733974	2.684E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
6929	499052.4	3733962	2.617E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
6930	499041.8	3733949	2.551E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	3.84E-10	8.19E-10	0.00E+00	0.00E+00	1.20E-09
6931	499031.2	3733937	2.486E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.58E-09	0.00E+00	0.00E+00	7.07E-09	3.74E-10	7.98E-10	0.00E+00	0.00E+00	1.17E-09
6932	499020.6	3733925	2.423E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.47E-09	0.00E+00	0.00E+00	6.89E-09	3.65E-10	7.78E-10	0.00E+00	0.00E+00	1.14E-09
6933	499010	3733912	2.362E-09	4.35E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.11E-09
6934	498999.3	3733900	2.303E-09	4.24E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
6935	498882.2	3733746	1.744E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.23E-10
6936	498878.4	3733730	1.722E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
6937	498874.6	3733714	1.699E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	2.56E-10	5.46E-10	0.00E+00	0.00E+00	8.02E-10
6938	498870.8	3733698	1.678E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.91E-10
6939	498867	3733682	1.656E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	2.49E-10	5.32E-10	0.00E+00	0.00E+00	7.81E-10
6940	498863.2	3733666	1.635E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.25E-10	0.00E+00	0.00E+00	7.71E-10
6941	498859.4	3733651	1.614E-09	2.97E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.18E-10	0.00E+00	0.00E+00	7.61E-10
6942	498855.6	3733635	1.593E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
6943	498851.8	3733619	1.573E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
6944	498848	3733603	1.553E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.33E-10
6945	498844.2	3733587	1.534E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.24E-10
6946	498840.4	3733571	1.515E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.15E-10
6947	498836.6	3733555	1.496E-09	2.76E-09	0.00E+00	0.00E+00	4.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.25E-09	2.25E-10	4.80E-10	0.00E+00	0.00E+00	7.06E-10
6948	498832.8	3733540	1.477E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.97E-10
6949	498829	3733524	1.459E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	2.20E-10	4.69E-10	0.00E+00	0.00E+00	6.88E-10
6950	498825.3	3733508	1.441E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	2.17E-10	4.63E-10	0.00E+00	0.00E+00	6.80E-10
6951	498821.5	3733492	1.423E-09	2.62E-09	0.00E+00	0.00E+00	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.05E-09	2.14E-10	4.57E-10	0.00E+00	0.00E+00	6.71E-10
6952	498817.7	3733476	1.406E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.63E-10
6953	498813.9	3733460	1.389E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.55E-10
6954	498810.1	3733444	1.372E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	2.07E-10	4.41E-10	0.00E+00	0.00E+00	6.47E-10
6955	498806.3	3733428	1.355E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	2.04E-10	4.35E-10	0.00E+00	0.00E+00	6.39E-10
6956	498802.5	3733413	1.338E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.30E-10	0.00E+00	0.00E+00	6.31E-10
6957	498798.7	3733397	1.322E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.24E-10
6958	498794.9	3733381	1.306E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	1.97E-10	4.19E-10	0.00E+00	0.00E+00	6.16E-10
6959	498791.1	3733365	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.09E-10
6960	498787.3	3733349	1.274E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.01E-10
6961	498783.5	3733333	1.259E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.04E-10	0.00E+00	0.00E+00	5.94E-10
6962	498779.7	3733317	1.243E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.87E-10
6963	498775.9	3733301	1.228E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.79E-10
6964	499190.7	3734177	3.572E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
6965	499180.1	3734164	3.501E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
6966	499127	3734102	3.143E-09	5.79E-09	0.00E+00	0.00E+00	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.94E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
6967	499116.4	3734090	3.072E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	4.63E-10	9.87E-10	0.00E+00	0.00E+00	1.45E-09
6968	499105.7	3734077	3.002E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	4.52E-10	9.64E-10	0.00E+00	0.00E+00	1.42E-09
6969	499095.1	3734065	2.932E-09	5.40E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.34E-09	4.41E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
6970	499084.5	3734053	2.863E-09	5.28E-09	0.00E+00	0.00E+00	8.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.28E-09	0.00E+00	0.00E+00	8.14E-09	4.31E-10	9.19E-10	0.00E+00	0.00E+00	1.35E-09
6971	499073.9	3734040	2.795E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.97E-10	0.00E+00	0.00E+00	1.32E-09
6972	499063.2	3734028	2.728E-09	5.03E-09	0.00E+00	0.00E+00	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.75E-09	4.11E-10	8.76E-10	0.00E+00	0.00E+00	1.29E-09
6973	499052.6	3734015	2.661E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
6974	499042	3734003	2.597E-09	4.79E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.34E-10	0.00E+00	0.00E+00	1.22E-09
6975	499031.4	3733991	2.533E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.13E-10	0.00E+00	0.00E+00	1.19E-09
6976	499020.7	3733978	2.471E-09	4.55E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.03E-09	3.72E-10	7.94E-10	0.00E+00	0.00E+00	1.17E-09
6977	499010.1	3733966	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	3.63E-10	7.74E-10	0.00E+00	0.00E+00	1.14E-09
6978	498999.5	3733953	2.351E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.68E-09	3.54E-10	7.55E-10	0.00E+00	0.00E+00	1.11E-09
6979	498988.9	3733941	2.293E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
6980	498978.2	3733929	2.236E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.18E-10	0.00E+00	0.00E+00	1.05E-09
6981	498967.6	3733916	2.181E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
6982	498957	3733904	2.128E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	3.20E-10	6.83E-10	0.00E+00	0.00E+00	1.00E-09
6983	498846.6	3733746	1.645E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	2.48E-10	5.28E-10	0.00E+00	0.00E+00	7.76E-10
6984	498842.8	3733730	1.624E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	2.45E-10	5.22E-10	0.00E+00	0.00E+00	7.66E-10
6985	498839	3733714	1.604E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	2.41E-10	5.15E-10	0.00E+00	0.00E+00	7.56E-10
6986	498835.2	3733699	1.584E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	2.38E-10	5.09E-10	0.00E+00	0.00E+00	7.47E-10
6987	498831.4	3733683	1.564E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.38E-10
6988	498827.6	3733667	1.545E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	2.33E-10	4.96E-10	0.00E+00	0.00E+00	7.29E-10
6989	498823.8	3733651	1.526E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	2.30E-10	4.90E-10	0.00E+00	0.00E+00	7.20E-10
6990	498820	3733635	1.507E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.11E-10
6991	498816.2	3733619	1.489E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.02E-10
6992	498812.4	3733603	1.471E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.21E-10	4.72E-10	0.00E+00	0.00E+00	6.94E-10
6993	498808.6	3733587	1.453E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	2.19E-10	4.67E-10	0.00E+00	0.00E+00	6.85E-10
6994	498804.8	3733571	1.435E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.77E-10
6995	498801	3733556	1.418E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.69E-10
6996	498797.2	3733540	1.401E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.50E-10	0.00E+00	0.00E+00	6.61E-10
6997	498793.4	3733524	1.384E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	2.08E-10	4.45E-10	0.00E+00	0.00E+00	6.53E-10
6998	498789.6	3733508	1.368E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	2.06E-10	4.39E-10	0.00E+00	0.00E+00	6.45E-10
6999	498785.8	3733492	1.351E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.03E-10	4.34E-10	0.00E+00	0.00E+00	6.37E-10
7000	498782	3733476	1.335E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
7001	498778.2	3733460	1.319E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.22E-10
7002	498774.4	3733444	1.304E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	1.96E-10	4.19E-10	0.00E+00	0.00E+00	6.15E-10
7003	498770.6	3733428	1.288E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
7004	498766.8	3733413	1.273E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.01E-10
7005	498763	3733397	1.258E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.89E-10	4.04E-10	0.00E+00	0.00E+00	5.94E-10
7006	498759.2	3733381	1.244E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.87E-10
7007	498755.4	3733365	1.229E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.80E-10
7008	498751.6	3733349	1.214E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.73E-10
7009	498747.8	3733333	1.2E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
7010	498744	3733317	1.185E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
7011	498740.2	3733301	1.171E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.53E-10
7012	499202.8	3734188	3.652E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
7013	499169.8	3734206	3.425E-09	6.31E-09	0.00E+00	0.00E+00	9.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.74E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
7014	499159.2	3734193	3.359E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
7015	499148.5	3734181	3.292E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
7016	499137.9	3734168	3.226E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09

7017	499127.3	3734156	3.159E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.76E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
7018	499063.5	3734082	2.764E-09	5.09E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.86E-09	4.16E-10	8.88E-10	0.00E+00	0.00E+00	1.30E-09
7019	499052.8	3734069	2.7E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
7020	499042.2	3734057	2.637E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	3.97E-10	8.47E-10	0.00E+00	0.00E+00	1.24E-09
7021	499031.6	3734044	2.575E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.21E-09
7022	499020.9	3734032	2.514E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	3.78E-10	8.07E-10	0.00E+00	0.00E+00	1.19E-09
7023	499010.3	3734019	2.454E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	3.69E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
7024	498999.7	3734007	2.395E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
7025	498989	3733995	2.338E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	3.52E-10	7.51E-10	0.00E+00	0.00E+00	1.10E-09
7026	498978.4	3733982	2.281E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.43E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
7027	498967.8	3733970	2.227E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.15E-10	0.00E+00	0.00E+00	1.05E-09
7028	498957.1	3733957	2.173E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.03E-09
7029	498946.5	3733945	2.121E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
7030	498935.9	3733932	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.88E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.76E-10
7031	498810.9	3733746	1.554E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.33E-10
7032	498807.1	3733731	1.535E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.24E-10
7033	498803.3	3733715	1.517E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.15E-10
7034	498799.5	3733699	1.498E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
7035	498795.7	3733683	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.98E-10
7036	498791.9	3733667	1.463E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.70E-09	0.00E+00	0.00E+00	4.16E-09	2.20E-10	4.70E-10	0.00E+00	0.00E+00	6.90E-10
7037	498788.1	3733651	1.445E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.82E-10
7038	498784.3	3733635	1.428E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.74E-10
7039	498780.5	3733619	1.411E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.01E-09	2.12E-10	4.53E-10	0.00E+00	0.00E+00	6.66E-10
7040	498776.7	3733603	1.395E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.48E-10	0.00E+00	0.00E+00	6.58E-10
7041	498772.9	3733587	1.378E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	2.08E-10	4.43E-10	0.00E+00	0.00E+00	6.50E-10
7042	498769.1	3733572	1.362E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
7043	498765.3	3733556	1.346E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.32E-10	0.00E+00	0.00E+00	6.35E-10
7044	498761.5	3733540	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.28E-10
7045	498757.7	3733524	1.315E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.20E-10
7046	498753.9	3733508	1.3E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
7047	498750.1	3733492	1.285E-09	2.37E-09	0.00E+00	0.00E+00	3.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.37E-09	0.00E+00	0.00E+00	3.65E-09	1.93E-10	4.13E-10	0.00E+00	0.00E+00	6.06E-10
7048	498746.3	3733476	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	5.99E-10
7049	498742.5	3733460	1.256E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.92E-10
7050	498738.7	3733444	1.241E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
7051	498734.9	3733428	1.227E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.79E-10
7052	498731.1	3733413	1.213E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.72E-10
7053	498727.3	3733397	1.199E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
7054	498723.5	3733381	1.185E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
7055	498719.7	3733365	1.172E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.53E-10
7056	498715.9	3733349	1.158E-09	2.14E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.72E-10	0.00E+00	0.00E+00	5.46E-10
7057	498712.1	3733333	1.145E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	1.72E-10	3.68E-10	0.00E+00	0.00E+00	5.40E-10
7058	498708.3	3733317	1.132E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.34E-10
7059	498704.5	3733301	1.119E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.28E-10
7060	499181.8	3734217	3.5E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
7061	499599.9	3733540	1.132E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	1.70E-09	3.64E-09	0.00E+00	0.00E+00	5.34E-09
7062	499569.9	3733540	9.881E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
7063	499322.2	3733285	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
7064	499322.1	3733294	3.347E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
7065	499321.4	3733372	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
7066	499321.3	3733382	3.599E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
7067	499321.3	3733392	3.627E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
7068	499321.2	3733401	3.655E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
7069	499321.1	3733411	3.683E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
7070	499321	3733421	3.712E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
7071	499320.9	3733431	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
7072	499320.8	3733440	3.768E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
7073	499320.7	3733450	3.796E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
7074	499320.6	3733460	3.824E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	5.76E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
7075	499320	3733528	4.015E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
7076	499319.9	3733538	4.042E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.09E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
7077	499282.2	3733284	2.998E-09	5.53E-09	0.00E+00	0.00E+00	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.52E-09	4.51E-10	9.63E-10	0.00E+00	0.00E+00	1.41E-09
7078	499282.2	3733294	3.021E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	4.55E-10	9.70E-10	0.00E+00	0.00E+00	1.43E-09
7079	499281.4	3733372	3.211E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
7080	499281.3	3733382	3.235E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
7081	499281.3	3733391	3.259E-09	6.01E-09	0.00E+00	0.00E+00	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.01E-09	0.00E+00	0.00E+00	9.26E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
7082	499281.2	3733401	3.283E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
7083	499281.1	3733411	3.307E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
7084	499281	3733421	3.331E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
7085	499280.9	3733430	3.355E-09	6.18E-09	0.00E+00	0.00E+00	9.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.54E-09	5.05E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
7086	499280.8	3733440	3.379E-09	6.23E-09	0.00E+00	0.00E+00	9.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	6.23E-09	0.00E+00	0.00E+00	9.61E-09	5.09E-10	1.09E-09	0.00E+00	0.00E+00	1.59E-09
7087	499280.7	3733450	3.403E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
7088	499279.9	3733537	3.615E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
7089	499242.2	3733284	2.726E-09	5.02E-09	0.00E+00	0.00E+00	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.02E-09	0.00E+00	0.00E+00	7.75E-09	4.10E-10	8.75E-10	0.00E+00	0.00E+00	1.29E-09
7090	499242.2	3733294	2.746E-09	5.06E-09	0.00E+00	0.00E+00	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.06E-09	0.00E+00	0.00E+00	7.81E-09	4.13E-10	8.82E-10	0.00E+00	0.00E+00	1.30E-09
7091	499241.4	3733372	2.908E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
7092	499241.3	3733381	2.929E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	4.41E-10	9.41E-10	0.00E+00	0.00E+00	1.38E-09
7093	499241.3	3733391	2.949E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
7094	499241.2	3733401	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	4.47E-10	9.54E-10	0.00E+00	0.00E+00	1.40E-09
7095	499241.1	3733410	2.991E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.60E-10	0.00E+00	0.00E+00	1.41E-09
7096	499241	3733420	3.011E-09	5.55E-09	0.00E+00	0.00E+00	8.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.56E-09	4.53E-10	9.67E-10	0.00E+00	0.00E+00	1.42E-09
7097	499240.9	3733430	3.032E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.56E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
7098	499240.8	3733440	3.052E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	4.60E-10	9.80E-10	0.00E+00	0.00E+00	1.44E-09
7099	499240.7	3733449	3.073E-09	5.66E-09	0.00E+00	0.00E+00	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.74E-09	4.63E-10	9.87E-10	0.00E+00	0.00E+00	1.45E-09
7100	499240.1	3733518	3.217E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
7101	499239.9	3733537	3.257E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	4.90E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
7102	499202.2	3733284	2.493E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	3.75E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
7103	499202.2	3733293	2.511E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
7104	499201.5	3733361	2.633E-09	4.85E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.49E-09	3.96E-10	8.46E-10	0.00E+00	0.00E+00	1.24E-09
7105	499201.4	3733371	2.651E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
7106	499201.4	3733381	2.668E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
7107	499201.3	3733391	2.686E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	4.04E-10	8.63E-10	0.00E+00	0.00E+00	1.27E-09
7108	499201.2	3733400	2.704E-09	4.98E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.28E-09
7109	499201.1	3733410	2.722E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	4.10E-10	8.74E-10	0.00E+00	0.00E+00	1.28E-09
7110	499201	3733420	2.739E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.12E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09
7111	499200.9	3733430	2.757E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.85E-10	0.00E+00	0.00E+00	1.30E-09
7112	499200.8	3733439	2.775E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.91E-10	0.00E+00	0.00E+00	1.31E-09
7113	499200.7	3733449	2.793E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	4.20E-10	8.97E-10	0.00E+00	0.00E+00	1.32E-09
7114	499200.5	3733469	2.828E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	4.26E-10	9.08E-10	0.00E+00	0.00E+00	1.33E-09
7115	499199.9	3733537	2.952E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.45E-10	9.48E-10	0.00E+00	0.00E+00	1.39E-09
7116	499162.2	3733283	2.292E-09	4.22E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.52E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
7117	499162.2	3733293	2.307E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
7118	499161.5	3733361	2.414E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
7119	499161.4	3733371	2.429E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	3.66E-10	7.80E-10	0.00E+00	0.00E+00	1.15E-09
7120	499161.4	3733381	2.444E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
7121	499161.3	3733390	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.90E-10	0.00E+00	0.00E+00	1.16E-09
7122	499161.2	3733400	2.475E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	3.73E-10	7.95E-10	0.00E+00	0.00E+00	1.17E-09
7123	499161.1	3733410	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	8.00E-10	0.00E+00	0.00E+00	1.17E-09
7124	499161	3733419	2.506E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
7125	499160.9	3733429	2.521E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.10E-10	0.00E+00	0.00E+00	1.19E-09
7126	499160.8	3733439	2.537E-09	4.68E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.21E-09	3.82E-10	8.15E-10	0.00E+00	0.00E+00	1.20E-09
7127	499160.7	3733449	2.552E-09	4.70E-09	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.26E-09	3.84E-10	8.20E-10	0.00E+00	0.00E+00	1.20E-09
7128	499160.5	3733468	2.583E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.89E-10	8.30E-10	0.00E+00	0.00E+00	1.22E-09
7129	499159.9	3733536	2.691E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	4.05E-10	8.64E-10	0.00E+00	0.00E+00	1.27E-09
7130	499122.2	3733283	2.117E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.98E-10
7131	499122.2	3733293	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.06E-09	3.21E-10	6.84E-10	0.00E+00	0.00E+00	1.00E-09
7132	499121.5	3733361	2.223E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
7133	499121.4	3733370	2.236E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.18E-10	0.00E+00	0.00E+00	1.05E-09
7134	499121.4	3733380	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.15E-09	0.00E+00	0.00E+00	6.40E-09	3.39E-10	7.23E-10	0.00E+00	0.00E+00	1.06E-09
7135	499121.3	3733390	2.263E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.27E-10	0.00E+00	0.00E+00	1.07E-09
7136	499121.2	3733400	2.277E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
7137	499121.1	3733409	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	3.45E-10	7.35E-10	0.00E+00	0.00E+00	1.08E-09
7138	499121	3733419	2.304E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
7139	499120.9	3733429	2.317E-09	4.27E-09	0.00E+00	0.00E+00	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.59E-09	3.49E-10	7.44E-10	0.00E+00	0.00E+00	1.09E-09
7140	499120.8	3733439	2.331E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.48E-10	0.00E+00	0.00E+00	1.10E-09
7141	499120.7	3733448	2.344E-09	4.32E-09	0.00E+00	0.00E+00	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.32E-09	0.00E+00	0.00E+00	6.66E-09	3.53E-10	7.53E-10	0.00E+00	0.00E+00	1.11E-09
7142	499120.6	3733458	2.357E-09	4.35E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.70E-09	3.55E-10	7.57E-10	0.00E+00	0.00E+00	1.11E-09
7143	499120	3733526	2.452E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	3.69E-10	7.87E-10	0.00E+00	0.00E+00	1.16E-09
7144	499119.9	3733536	2.466E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
7145	499082.2	3733282	1.963E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.26E-10
7146	499082.2	3733292	1.974E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.64E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.34E-10	0.00E+00	0.00E+00	9.31E-10

7147	499082.1	3733302	1.986E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.37E-10
7148	499081.6	3733351	2.045E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.57E-10	0.00E+00	0.00E+00	9.64E-10
7149	499081.4	3733370	2.068E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.76E-10
7150	499081.4	3733380	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
7151	499081.3	3733390	2.092E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.87E-10
7152	499081.2	3733399	2.104E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.76E-10	0.00E+00	0.00E+00	9.92E-10
7153	499081.1	3733409	2.115E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.98E-10
7154	499081	3733419	2.127E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	3.20E-10	6.83E-10	0.00E+00	0.00E+00	1.00E-09
7155	499080.9	3733428	2.139E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.87E-10	0.00E+00	0.00E+00	1.01E-09
7156	499080.8	3733438	2.151E-09	3.96E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.01E-09
7157	499080.7	3733448	2.163E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
7158	499080.6	3733458	2.175E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.03E-09
7159	499080	3733526	2.258E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.06E-09
7160	499079.9	3733536	2.269E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
7161	499042.2	3733282	1.826E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.62E-10
7162	499042.2	3733292	1.837E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.66E-10
7163	499042.1	3733302	1.847E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.71E-10
7164	499041.4	3733370	1.919E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.16E-10	0.00E+00	0.00E+00	9.05E-10
7165	499041.4	3733379	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.10E-10
7166	499041.3	3733389	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.23E-10	0.00E+00	0.00E+00	9.15E-10
7167	499041.2	3733399	1.951E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.26E-10	0.00E+00	0.00E+00	9.20E-10
7168	499041.1	3733409	1.961E-09	3.61E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.61E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.25E-10
7169	499041	3733418	1.972E-09	3.63E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.33E-10	0.00E+00	0.00E+00	9.30E-10
7170	499040.9	3733428	1.982E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.98E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
7171	499040.8	3733438	1.992E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.40E-10
7172	499040.7	3733448	2.003E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.02E-10	6.43E-10	0.00E+00	0.00E+00	9.45E-10
7173	499040.6	3733457	2.013E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.47E-10	0.00E+00	0.00E+00	9.50E-10
7174	499040	3733525	2.087E-09	3.85E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.93E-09	3.14E-10	6.70E-10	0.00E+00	0.00E+00	9.84E-10
7175	499039.9	3733535	2.097E-09	3.87E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.96E-09	3.16E-10	6.73E-10	0.00E+00	0.00E+00	9.89E-10
7176	499002.3	3733282	1.705E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
7177	499002.2	3733291	1.714E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.08E-10
7178	499002.1	3733301	1.723E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.13E-10
7179	499001.4	3733369	1.788E-09	3.30E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.08E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.43E-10
7180	499001.4	3733379	1.797E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.71E-10	5.77E-10	0.00E+00	0.00E+00	8.48E-10
7181	499001.3	3733389	1.806E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.52E-10
7182	499001.2	3733399	1.816E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
7183	499001.1	3733408	1.825E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.61E-10
7184	499001	3733418	1.834E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
7185	499000.9	3733428	1.844E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.78E-10	5.92E-10	0.00E+00	0.00E+00	8.70E-10
7186	499000.8	3733437	1.853E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.74E-10
7187	499000.7	3733447	1.862E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.78E-10
7188	499000.6	3733457	1.871E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.83E-10
7189	498999.9	3733535	1.946E-09	3.59E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.25E-10	0.00E+00	0.00E+00	9.18E-10
7190	498962.3	3733281	1.597E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	2.40E-10	5.13E-10	0.00E+00	0.00E+00	7.53E-10
7191	498962.2	3733291	1.605E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	2.42E-10	5.15E-10	0.00E+00	0.00E+00	7.57E-10
7192	498962.1	3733301	1.613E-09	2.97E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.18E-10	0.00E+00	0.00E+00	7.61E-10
7193	498961.4	3733369	1.671E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
7194	498961.4	3733379	1.679E-09	3.10E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.92E-10
7195	498961.3	3733388	1.688E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.96E-10
7196	498961.2	3733398	1.696E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
7197	498961.1	3733408	1.704E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
7198	498961	3733418	1.713E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.08E-10
7199	498960.9	3733427	1.721E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
7200	498960.8	3733437	1.729E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.16E-10
7201	498960.1	3733515	1.795E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.47E-10
7202	498960	3733525	1.803E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.79E-10	0.00E+00	0.00E+00	8.51E-10
7203	498959.9	3733534	1.812E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.73E-10	5.82E-10	0.00E+00	0.00E+00	8.55E-10
7204	498926.5	3733281	1.509E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.85E-10	0.00E+00	0.00E+00	7.12E-10
7205	498926.5	3733291	1.517E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.31E-09	2.28E-10	4.87E-10	0.00E+00	0.00E+00	7.16E-10
7206	498925.8	3733359	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.04E-10	0.00E+00	0.00E+00	7.40E-10
7207	498925.6	3733378	1.585E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.09E-10	0.00E+00	0.00E+00	7.48E-10
7208	498925.6	3733388	1.592E-09	2.93E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.11E-10	0.00E+00	0.00E+00	7.51E-10
7209	498925.5	3733398	1.6E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.55E-10
7210	498925.4	3733408	1.607E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
7211	498925.3	3733417	1.615E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.19E-10	0.00E+00	0.00E+00	7.62E-10
7212	498925.2	3733427	1.622E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.65E-10
7213	498925.1	3733437	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	2.45E-10	5.23E-10	0.00E+00	0.00E+00	7.69E-10
7214	498924.4	3733515	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.43E-10	0.00E+00	0.00E+00	7.97E-10
7215	498924.3	3733524	1.697E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.56E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
7216	498924.2	3733534	1.705E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
7217	498890.8	3733281	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.74E-10
7218	498890.7	3733290	1.437E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.78E-10
7219	498890.1	3733359	1.485E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.00E-10
7220	498889.9	3733378	1.499E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
7221	498889.8	3733388	1.506E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.77E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.83E-10	0.00E+00	0.00E+00	7.10E-10
7222	498889.8	3733398	1.512E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.13E-10
7223	498889.7	3733407	1.519E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.17E-10
7224	498889.6	3733417	1.526E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.81E-09	0.00E+00	0.00E+00	4.34E-09	2.30E-10	4.90E-10	0.00E+00	0.00E+00	7.20E-10
7225	498889.5	3733427	1.533E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.23E-10
7226	498889.4	3733436	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.94E-10	0.00E+00	0.00E+00	7.26E-10
7227	498888.7	3733514	1.594E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
7228	498888.6	3733524	1.601E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.55E-10
7229	498888.5	3733534	1.608E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
7230	498855.1	3733280	1.357E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.36E-10	0.00E+00	0.00E+00	6.40E-10
7231	498855	3733290	1.363E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	2.05E-10	4.38E-10	0.00E+00	0.00E+00	6.43E-10
7232	498854.4	3733358	1.408E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.64E-10
7233	498854.2	3733378	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	2.14E-10	4.56E-10	0.00E+00	0.00E+00	6.70E-10
7234	498854.1	3733387	1.426E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.73E-10
7235	498854	3733397	1.433E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	2.16E-10	4.60E-10	0.00E+00	0.00E+00	6.76E-10
7236	498854	3733407	1.439E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	2.17E-10	4.62E-10	0.00E+00	0.00E+00	6.79E-10
7237	498853.9	3733417	1.445E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.82E-10
7238	498853.8	3733426	1.451E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	2.19E-10	4.66E-10	0.00E+00	0.00E+00	6.85E-10
7239	498853.7	3733436	1.458E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	2.19E-10	4.68E-10	0.00E+00	0.00E+00	6.88E-10
7240	498853	3733514	1.507E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.28E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.11E-10
7241	498852.9	3733524	1.513E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.14E-10
7242	498852.8	3733534	1.519E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.17E-10
7243	498819.4	3733280	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.09E-10
7244	498819.3	3733290	1.296E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.11E-10
7245	498818.7	3733358	1.337E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.31E-10
7246	498818.5	3733377	1.348E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.33E-10	0.00E+00	0.00E+00	6.36E-10
7247	498818.4	3733387	1.354E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	2.04E-10	4.35E-10	0.00E+00	0.00E+00	6.39E-10
7248	498818.3	3733397	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.41E-10
7249	498818.2	3733407	1.365E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	2.06E-10	4.38E-10	0.00E+00	0.00E+00	6.44E-10
7250	498818.2	3733416	1.371E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	2.06E-10	4.40E-10	0.00E+00	0.00E+00	6.47E-10
7251	498818.1	3733426	1.377E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.49E-10
7252	498818	3733436	1.382E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.52E-10
7253	498817.3	3733514	1.428E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.73E-10
7254	498817.2	3733523	1.433E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.60E-10	0.00E+00	0.00E+00	6.76E-10
7255	498817.1	3733533	1.439E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	2.17E-10	4.62E-10	0.00E+00	0.00E+00	6.79E-10
7256	498783.7	3733280	1.229E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.80E-10
7257	498783.6	3733289	1.234E-09	2.27E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.96E-10	0.00E+00	0.00E+00	5.82E-10
7258	498783.4	3733309	1.245E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10
7259	498783	3733358	1.272E-09	2.34E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.62E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	6.00E-10
7260	498782.8	3733377	1.282E-09	2.36E-09	0.00E+00	0.00E+00	3.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.65E-09	1.93E-10	4.12E-10	0.00E+00	0.00E+00	6.05E-10
7261	498782.7	3733387	1.287E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.13E-10	0.00E+00	0.00E+00	6.07E-10
7262	498782.6	3733397	1.293E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.15E-10	0.00E+00	0.00E+00	6.10E-10
7263	498782.5	3733406	1.298E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.17E-10	0.00E+00	0.00E+00	6.12E-10
7264	498782.4	3733416	1.303E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.15E-10
7265	498782.4	3733426	1.308E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	1.97E-10	4.20E-10	0.00E+00	0.00E+00	6.17E-10
7266	498782.3	3733435	1.314E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.20E-10
7267	498781.5	3733513	1.355E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	2.04E-10	4.35E-10	0.00E+00	0.00E+00	6.39E-10
7268	498781.5	3733523	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
7269	498781.4	3733533	1.365E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	2.06E-10	4.38E-10	0.00E+00	0.00E+00	6.44E-10
7270	498748	3733279	1.172E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.53E-10
7271	498747.9	3733289	1.177E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.55E-10
7272	498747.7	3733309	1.187E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
7273	498747.3	3733357	1.211E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.89E-10	0.00E+00	0.00E+00	5.71E-10
7274	498747.1	3733377	1.221E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.76E-10
7275	498747	3733386	1.226E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.78E-10
7276	498746.9	3733396	1.231E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.81E-10

7277	498746.8	3733406	1.236E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.97E-10	0.00E+00	0.00E+00	5.83E-10
7278	498746.7	3733416	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
7279	498746.6	3733425	1.245E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10
7280	498746.5	3733435	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	1.88E-10	4.01E-10	0.00E+00	0.00E+00	5.90E-10
7281	498745.9	3733503	1.283E-09	2.37E-09	0.00E+00	0.00E+00	3.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.37E-09	0.00E+00	0.00E+00	3.65E-09	1.93E-10	4.12E-10	0.00E+00	0.00E+00	6.05E-10
7282	498745.8	3733513	1.288E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
7283	498745.7	3733523	1.293E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.15E-10	0.00E+00	0.00E+00	6.10E-10
7284	498745.7	3733533	1.298E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.17E-10	0.00E+00	0.00E+00	6.12E-10
7285	498712.3	3733279	1.119E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.28E-10
7286	498712.2	3733289	1.124E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.30E-10
7287	498712	3733308	1.133E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.34E-10
7288	498711.5	3733357	1.156E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.71E-10	0.00E+00	0.00E+00	5.45E-10
7289	498711.4	3733376	1.165E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.49E-10
7290	498711.3	3733386	1.169E-09	2.16E-09	0.00E+00	0.00E+00	3.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.32E-09	1.76E-10	3.75E-10	0.00E+00	0.00E+00	5.52E-10
7291	498711.2	3733396	1.174E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.54E-10
7292	498711.1	3733406	1.178E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.56E-10
7293	498711	3733415	1.183E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
7294	498710.9	3733425	1.187E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
7295	498710.8	3733435	1.192E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.79E-10	3.83E-10	0.00E+00	0.00E+00	5.62E-10
7296	498710.7	3733445	1.196E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.84E-10	0.00E+00	0.00E+00	5.64E-10
7297	498710.7	3733454	1.2E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
7298	498710.6	3733464	1.205E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	1.81E-10	3.87E-10	0.00E+00	0.00E+00	5.68E-10
7299	498710.5	3733474	1.209E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.70E-10
7300	498710.4	3733484	1.214E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.72E-10
7301	498710.3	3733493	1.218E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.91E-10	0.00E+00	0.00E+00	5.75E-10
7302	498710.2	3733503	1.222E-09	2.25E-09	0.00E+00	0.00E+00	3.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.48E-09	1.84E-10	3.93E-10	0.00E+00	0.00E+00	5.77E-10
7303	498710.1	3733513	1.227E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.79E-10
7304	498710	3733522	1.231E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.81E-10
7305	498709.9	3733532	1.235E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.97E-10	0.00E+00	0.00E+00	5.83E-10
7306	499850.4	3733769	2.487E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	3.74E-09	7.99E-09	0.00E+00	0.00E+00	1.17E-08
7307	499841.3	3733765	2.465E-08	4.54E-08	0.00E+00	0.00E+00	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-08	4.54E-08	0.00E+00	0.00E+00	7.01E-08	3.71E-09	7.92E-09	0.00E+00	0.00E+00	1.16E-08
7308	499832.3	3733761	2.439E-08	4.50E-08	0.00E+00	0.00E+00	6.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	4.50E-08	0.00E+00	0.00E+00	6.93E-08	3.67E-09	7.83E-09	0.00E+00	0.00E+00	1.15E-08
7309	499859.4	3733773	2.505E-08	4.62E-08	0.00E+00	0.00E+00	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	4.62E-08	0.00E+00	0.00E+00	7.12E-08	3.77E-09	8.04E-09	0.00E+00	0.00E+00	1.18E-08
7310	499869.3	3733773	2.552E-08	4.70E-08	0.00E+00	0.00E+00	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-08	4.70E-08	0.00E+00	0.00E+00	7.26E-08	3.84E-09	8.20E-09	0.00E+00	0.00E+00	1.20E-08
7311	499879.1	3733773	2.596E-08	4.78E-08	0.00E+00	0.00E+00	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-08	4.78E-08	0.00E+00	0.00E+00	7.38E-08	3.91E-09	8.34E-09	0.00E+00	0.00E+00	1.22E-08
7312	499888.9	3733773	2.636E-08	4.86E-08	0.00E+00	0.00E+00	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-08	4.86E-08	0.00E+00	0.00E+00	7.49E-08	3.97E-09	8.47E-09	0.00E+00	0.00E+00	1.24E-08
7313	499898.7	3733773	2.673E-08	4.93E-08	0.00E+00	0.00E+00	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	4.93E-08	0.00E+00	0.00E+00	7.60E-08	4.02E-09	8.58E-09	0.00E+00	0.00E+00	1.26E-08
7314	499908.6	3733773	2.705E-08	4.99E-08	0.00E+00	0.00E+00	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	4.99E-08	0.00E+00	0.00E+00	7.69E-08	4.07E-09	8.69E-09	0.00E+00	0.00E+00	1.28E-08
7315	499918.4	3733773	2.734E-08	5.04E-08	0.00E+00	0.00E+00	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-08	5.04E-08	0.00E+00	0.00E+00	7.77E-08	4.12E-09	8.78E-09	0.00E+00	0.00E+00	1.29E-08
7316	499928.2	3733773	2.758E-08	5.08E-08	0.00E+00	0.00E+00	7.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-08	5.08E-08	0.00E+00	0.00E+00	7.84E-08	4.15E-09	8.86E-09	0.00E+00	0.00E+00	1.30E-08
7317	499938	3733773	2.778E-08	5.12E-08	0.00E+00	0.00E+00	7.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	5.12E-08	0.00E+00	0.00E+00	7.90E-08	4.18E-09	8.92E-09	0.00E+00	0.00E+00	1.31E-08
7318	499947.9	3733773	2.793E-08	5.15E-08	0.00E+00	0.00E+00	7.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	5.15E-08	0.00E+00	0.00E+00	7.94E-08	4.21E-09	8.97E-09	0.00E+00	0.00E+00	1.32E-08
7319	499957.7	3733773	2.804E-08	5.17E-08	0.00E+00	0.00E+00	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	5.17E-08	0.00E+00	0.00E+00	7.97E-08	4.22E-09	9.00E-09	0.00E+00	0.00E+00	1.32E-08
7320	499967.5	3733773	2.809E-08	5.18E-08	0.00E+00	0.00E+00	7.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-08	5.18E-08	0.00E+00	0.00E+00	7.99E-08	4.23E-09	9.02E-09	0.00E+00	0.00E+00	1.33E-08
7321	499977.3	3733773	2.81E-08	5.18E-08	0.00E+00	0.00E+00	7.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-08	5.18E-08	0.00E+00	0.00E+00	7.99E-08	4.23E-09	9.02E-09	0.00E+00	0.00E+00	1.33E-08
7322	499987.2	3733773	2.806E-08	5.17E-08	0.00E+00	0.00E+00	7.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-08	5.17E-08	0.00E+00	0.00E+00	7.98E-08	4.22E-09	9.01E-09	0.00E+00	0.00E+00	1.32E-08
7323	499997	3733773	2.797E-08	5.16E-08	0.00E+00	0.00E+00	7.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	5.16E-08	0.00E+00	0.00E+00	7.95E-08	4.21E-09	8.98E-09	0.00E+00	0.00E+00	1.32E-08
7324	500006.8	3733773	2.784E-08	5.13E-08	0.00E+00	0.00E+00	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	5.13E-08	0.00E+00	0.00E+00	7.92E-08	4.19E-09	8.94E-09	0.00E+00	0.00E+00	1.31E-08
7325	500016.6	3733773	2.766E-08	5.10E-08	0.00E+00	0.00E+00	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-08	5.10E-08	0.00E+00	0.00E+00	7.86E-08	4.16E-09	8.88E-09	0.00E+00	0.00E+00	1.30E-08
7326	500026.5	3733773	2.743E-08	5.06E-08	0.00E+00	0.00E+00	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-08	5.06E-08	0.00E+00	0.00E+00	7.80E-08	4.13E-09	8.81E-09	0.00E+00	0.00E+00	1.29E-08
7327	500036.3	3733773	2.716E-08	5.01E-08	0.00E+00	0.00E+00	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-08	5.01E-08	0.00E+00	0.00E+00	7.72E-08	4.09E-09	8.72E-09	0.00E+00	0.00E+00	1.28E-08
7328	500046.1	3733773	2.685E-08	4.95E-08	0.00E+00	0.00E+00	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-08	4.95E-08	0.00E+00	0.00E+00	7.63E-08	4.04E-09	8.62E-09	0.00E+00	0.00E+00	1.27E-08
7329	500055.9	3733773	2.649E-08	4.88E-08	0.00E+00	0.00E+00	7.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-08	4.88E-08	0.00E+00	0.00E+00	7.53E-08	3.99E-09	8.51E-09	0.00E+00	0.00E+00	1.25E-08
7330	500065.8	3733773	2.609E-08	4.81E-08	0.00E+00	0.00E+00	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	4.81E-08	0.00E+00	0.00E+00	7.42E-08	3.93E-09	8.38E-09	0.00E+00	0.00E+00	1.23E-08
7331	500075.6	3733773	2.566E-08	4.73E-08	0.00E+00	0.00E+00	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-08	4.73E-08	0.00E+00	0.00E+00	7.30E-08	3.86E-09	8.24E-09	0.00E+00	0.00E+00	1.21E-08
7332	500085.4	3733773	2.519E-08	4.64E-08	0.00E+00	0.00E+00	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-08	4.64E-08	0.00E+00	0.00E+00	7.16E-08	3.79E-09	8.09E-09	0.00E+00	0.00E+00	1.19E-08
7333	500095.2	3733773	2.469E-08	4.55E-08	0.00E+00	0.00E+00	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-08	4.55E-08	0.00E+00	0.00E+00	7.02E-08	3.72E-09	7.93E-09	0.00E+00	0.00E+00	1.16E-08
7334	500105.1	3733773	2.417E-08	4.45E-08	0.00E+00	0.00E+00	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	4.45E-08	0.00E+00	0.00E+00	6.87E-08	3.64E-09	7.76E-09	0.00E+00	0.00E+00	1.14E-08
7335	500114.9	3733773	2.361E-08	4.35E-08	0.00E+00	0.00E+00	6.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	4.35E-08	0.00E+00	0.00E+00	6.71E-08	3.55E-09	7.58E-09	0.00E+00	0.00E+00	1.11E-08
7336	500124.7	3733773	2.303E-08	4.25E-08	0.00E+00	0.00E+00	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	4.25E-08	0.00E+00	0.00E+00	6.55E-08	3.47E-09	7.40E-09	0.00E+00	0.00E+00	1.09E-08
7337	500134.5	3733773	2.243E-08	4.13E-08	0.00E+00	0.00E+00	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	4.13E-08	0.00E+00	0.00E+00	6.38E-08	3.38E-09	7.20E-09	0.00E+00	0.00E+00	1.06E-08
7338	500144.3	3733773	2.181E-08	4.02E-08	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	4.02E-08	0.00E+00	0.00E+00	6.20E-08	3.28E-09	7.00E-09	0.00E+00	0.00E+00	1.03E-08
7339	500154.2	3733773	2.119E-08	3.91E-08	0.00E+00	0.00E+00	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.02E-08	3.19E-09	6.80E-09	0.00E+00	0.00E+00	9.99E-09
7340	500164	3733773	2.055E-08	3.79E-08	0.00E+00	0.00E+00	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.79E-08	0.00E+00	0.00E+00	5.84E-08	3.09E-09	6.60E-09	0.00E+00	0.00E+00	9.69E-09
7341	500173.8	3733773	1.991E-08	3.67E-08	0.00E+00	0.00E+00	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.66E-08	3.00E-09	6.39E-09	0.00E+00	0.00E+00	9.39E-09
7342	500183.6	3733773	1.927E-08	3.55E-08	0.00E+00	0.00E+00	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.55E-08	0.00E+00	0.00E+00	5.48E-08	2.90E-09	6.19E-09	0.00E+00	0.00E+00	9.09E-09
7343	499850.6	3733799	2.275E-08	4.19E-08	0.00E+00	0.00E+00	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	4.19E-08	0.00E+00	0.00E+00	6.47E-08	3.43E-09	7.31E-09	0.00E+00	0.00E+00	1.07E-08
7344	499841.8	3733795	2.261E-08	4.17E-08	0.00E+00	0.00E+00	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.17E-08	0.00E+00	0.00E+00	6.43E-08	3.40E-09	7.26E-09	0.00E+00	0.00E+00	1.07E-08
7345	499833	3733792	2.243E-08	4.13E-08	0.00E+00	0.00E+00	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	4.13E-08	0.00E+00	0.00E+00	6.38E-08	3.38E-09	7.20E-09	0.00E+00	0.00E+00	1.06E-08
7346	499824.3	3733788	2.221E-08	4.09E-08	0.00E+00	0.00E+00	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	4.09E-08	0.00E+00	0.00E+00	6.32E-08	3.34E-09	7.13E-09	0.00E+00	0.00E+00	1.05E-08
7347	499815.5	3733784	2.196E-08	4.05E-08	0.00E+00	0.00E+00	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	4.05E-08	0.00E+00	0.00E+00	6.24E-08	3.31E-09	7.05E-09	0.00E+00	0.00E+00	1.04E-08
7348	499806.7	3733781	2.168E-08	4.00E-08	0.00E+00	0.00E+00	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	4.00E-08	0.00E+00	0.00E+00	6.17E-08	3.26E-09	6.96E-09	0.00E+00	0.00E+00	1.02E-08
7349	499797.9	3733777	2.137E-08	3.94E-08	0.00E+00	0.00E+00	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.94E-08	0.00E+00	0.00E+00	6.08E-08	3.22E-09	6.86E-09	0.00E+00	0.00E+00	1.01E-08
7350	499789.2	3733773	2.104E-08	3.88E-08	0.00E+00	0.00E+00	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.88E-08	0.00E+00	0.00E+00	5.98E-08	3.17E-09	6.76E-09	0.00E+00	0.00E+00	9.92E-09
7351	499780.4	3733770	2.067E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	3.11E-09	6.64E-09	0.00E+00	0.00E+00	9.75E-09
7352	499771.6	3733766	2.029E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	3.05E-09	6.51E-09	0.00E+00	0.00E+00	9.57E-09
7353	499762.8	3733762	1.988E-08	3.66E-08	0.00E+00	0.00E+00	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.66E-08	0.00E+00	0.00E+00	5.65E-08	2.99E-09	6.38E-09	0.00E+00	0.00E+00	9.38E-09
7354	499754	3733759	1.945E-08	3.58E-08	0.00E+00	0.00E+00	5.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.53E-08	2.93E-09	6.25E-09	0.00E+00	0.00E+00	9.17E-09
7355	499745.3	3733755	1.901E-08	3.50E-08	0.00E+00	0.00E+00	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	3.50E-08	0.00E+00	0.00E+00	5.40E-08	2.86E-09	6.10E-09	0.00E+00	0.00E+00	8.97E-09
7356	499635.7	3733629	1.354E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	2.04E-09	4.35E-09	0.00E+00	0.00E+00	6.39E-09
7357	499632.1	3733620	1.333E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	2.01E-09	4.28E-09	0.00E+00	0.00E+00	6.29E-09
7358	499628.5	3733611	1.312E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	1.98E-09	4.21E-09	0.00E+00	0.00E+00	6.19E-09
7359	499624.9	3733602	1.291E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	1.94E-09	4.15E-09	0.00E+00	0.00E+00	6.09E-09
7360	499621.4	3733593	1.269E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.07E-09	0.00E+00	0.00E+00	5.99E-09
7361	499859.4	3733803	2.287E-08	4.21E-08	0.00E+00	0.00E+00	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-08	4.21E-08	0.00E+00	0.00E+00	6.50E-08	3.44E-09	7.34E-09	0.00E+00	0.00E+00	1.08E-08
7362	499869.2	3733803	2.323E-08	4.28E-08	0.00E+00	0.00E+00	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	4.28E-08	0.00E+00	0.00E+00	6.61E-08	3.50E-09	7.46E-09	0.00E+00	0.00E+00	1.10E-08
7363	499879	3733803	2.358E-08	4.35E-08	0.00E+00	0.00E+00	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	4.35E-08	0.00E+00	0.00E+00	6.70E-08	3.55E-09	7.57E-09	0.00E+00	0.00E+00	1.11E-08
7364	499888.9	3733803	2.389E-08	4.40E-08	0.00E+00	0.00E+00	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	4.40E-08	0.00E+00	0.00E+00	6.79E-08	3.60E-09	7.67E-09	0.00E+00	0.00E+00	1.13E-08
7365	499898.7	3733803	2.417E-08	4.45E-08	0.00E+00	0.00E+00	6.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	4.45E-08	0.00E+00	0.00E+00	6.87E-08	3.64E-09	7.76E-09	0.00E+00	0.00E+00	1.14E-08
7366	499908.5	3733803	2.442E-08	4.50E-08	0.00E+00	0.00E+00	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	4.50E-08	0.00E+00	0.00E+00	6.94E-08	3.68E-09	7.84E-09	0.00E+00	0.00E+00	1.15E-08
7367	499918.3	3733803	2.463E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.54E-08	0.00E+00	0.00E+00	7.00E-08	3.71E-09	7.91E-09	0.00E+00	0.00E+00	1.16E-08
7368	499928.2	3733803	2.481E-08	4.57E-08	0.00E+00	0.00E+00	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	4.57E-08	0.00E+00	0.00E+00	7.05E-08	3.74E-09	7.97E-09	0.00E+00	0.00E+00	1.17E-08
7369	499938	3733803	2.495E-08	4.60E-08	0.00E+00	0.00E+00	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	4.60E-08	0.00E+00	0.00E+00	7.09E-08	3.76E-09	8.01E-09	0.00E+00	0.00E+00	1.18E-08
7370	499947.8	3733803	2.505E-08	4.62E-08	0.00E+00	0.00E+00	7.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	4.62E-08	0.00E+00	0.00E+00	7.12E-08	3.77E-09	8.05E-09	0.00E+00	0.00E+00	1.18E-08
7371	499957.6	3733803	2.512E-08	4.63E-08	0.00E+00	0.00E+00	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	4.63E-08	0.00E+00	0.00E+00	7.14E-08	3.78E-09	8.07E-09	0.00E+00	0.00E+00	1.18E-08
7372	499967.4	3733803	2.514E-08	4.63E-08	0.00E+00	0.00E+00	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	4.63E-08	0.00E+00	0.00E+00	7.15E-08	3.79E-09	8.07E-09	0.00E+00	0.00E+00	1.19E-08
7373	499977.3	3733803	2.513E-08	4.63E-08	0.00E+00	0.00E+00	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	4.63E-08	0.00E+00	0.00E+00	7.15E-08	3.78E-09	8.07E-09	0.00E+00	0.00E+00	1.19E-08
7374	499987.1	3733803	2.508E-08	4.62E-08	0.00E+00	0.00E+00	7.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	4.62E-08	0.00E+00	0.00E+00	7.13E-08	3.78E-09	8.05E-09	0.00E+00	0.00E+00	1.18E-08
7375	499996.9	3733803	2.499E-08	4.61E-08	0.00E+00	0.00E+00	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	4.61E-08	0.00E+00	0.00E+00	7.10E-08	3.76E-09	8.02E-09	0.00E+00	0.00E+00	1.18E-08
7376	500006.7	3733803	2.486E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	4.58E-08	0.00E+00	0.00E+00	7.07E-08	3.74E-09	7.98E-09	0.00E+00	0.00E+00	1.17E-08
7377	500016.6	3733803	2.469E-08	4.55E-08	0.00E+00	0.00E+00	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-08	4.55E-08	0.00E+00	0.00E+00	7.02E-08	3.72E-09	7.93E-09	0.00E+00	0.00E+00	1.16E-08
7378	500026.4	3733803	2.449E-08	4.51E-08	0.00E+00	0.00E+00	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	4.51E-08	0.00E+00	0.00E+00	6.96E-08	3.69E-09	7.86E-09	0.00E+00	0.00E+00	1.16E-08
7379	500036.2	3733803	2.425E-08	4.47E-08	0.00E+00	0.00E+00	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-08	4.47E-08	0.00E+00	0.00E+00	6.89E-08	3.65E-09	7.79E-09	0.00E+00	0.00E+00	1.14E-08
7380	500046	3733803	2.398E-08	4.42E-08	0.00E+00	0.00E+00	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-08	4.42E-08	0.00E+00	0.00E+00	6.82E-08	3.61E-09	7.70E-09	0.00E+00	0.00E+00	1.13E-08
7381	500055.9	3733803	2.367E-08	4.36E-08	0.00E+00	0.00E+00	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	4.36E-08	0.00E+00	0.00E+00	6.73E-08	3.56E-09	7.60E-09	0.00E+00	0.00E+00	1.12E-08
7382	500065.7	3733803	2.333E-08	4.30E-08	0.00E+00	0.00E+00	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	4.30E-08	0.00E+00	0.00E+00	6.63E-08	3.51E-09	7.49E-09	0.00E+00	0.00E+00	1.10E-08
7383	500075.5	3733803	2.297E-08	4.23E-08	0.00E+00	0.00E+00	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	4.23E-08	0.00E+00	0.00E+00	6.53E-08	3.46E-09	7.38E-09	0.00E+00	0.00E+00	1.08E-08
7384	500085.3	3733803	2.257E-08	4.16E-08	0.00E+00	0.00E+00	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.16E-08	0.00E+00	0.00E+00	6.42E-08	3.40E-09	7.25E-09	0.00E+00	0.00E+00	1.06E-08
7385	500095.2	3733803	2.215E-08	4.08E-08	0.00E+00	0.00E+00	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	4.08E-08	0.00E+00	0.00E+00	6.30E-08	3.33E-09	7.11E-09	0.00E+00	0.00E+00	1.04E-08
7386	500105	3733803	2.171E-08	4.00E-08	0.00E+00	0.00E+00	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	4.00E-08	0.00E+00	0.00E+00	6.17E-08	3.27E-09	6.97E-09	0.00E+00	0.00E+00	1.02E-08
7387	500114.8	3733803	2.124E-08	3.92E-08	0.00E+00	0.00E+00	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.92E-08	0.00E+00	0.00E+00	6.04E-08	3.20E-09	6.82E-09	0.00E+00	0.00E+00	1.00E-08
7388	500124.6	3733803	2.076E-08	3.83E-08	0.00E+00	0.00E+00	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.90E-08	3.13E-09	6.67E-09	0.00E+00	0.00E+00	9.79E-09
7389	500134.5	3733803	2.026E-08	3.73E-08	0.00E+00	0.00E+00	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.73E-08	0.00E+00	0.00E+00	5.76E-08	3.05E-09	6.51E-09	0.00E+00	0.00E+00	9.56E-09
7390	500144.3	3733803	1.975E-08	3.64E-08	0.00E+00	0.00E+00	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.64E-08	0.00E+00	0.00E+00	5.62E-08	2.97E-09	6.34E-09	0.00E+00	0.00E+00	9.32E-09
7391	500154.1	3733803	1.923E-08	3.54E-08	0.00E+00	0.00E+00	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	3.54E-08	0.00E+00	0.00E+00	5.47E-08	2.90E-09	6.18E-09	0.00E+00	0.00E+00	9.07E-09
7392	500163.9	3733803	1.871E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	2.82E-09	6.01E-09	0.00E+00	0.00E+00	8.82E-09
7393	500173.8	3733803	1.817E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	2.74E-09	5.84E-09	0.00E+00	0.00E+00	8.57E-09
7394	500183.6	3733803	1.764E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	2.66E-09	5.67E-09	0.00E+00	0.00E+00	8.32E-09
7395	499850.4	3733829	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.94E-08	3.15E-09	6.71E-09	0.00E+00	0.00E+00	9.86E-09
7396	499841.4	3733825	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.91E-08	3.13E-09	6.68E-09	0.00E+00	0.00E+00	9.81E-09
7397	499832.5	3733822	2.067E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	3.11E-09	6.64E-09	0.00E+00	0.00E+00	9.75E-09
7398	499823.6	3733818	2.051E-08	3.78E-08	0.00E+00	0.00E+00	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.78E-08	0.00E+00	0.00E+00	5.83E-08	3.09E-09	6.59E-09	0.00E+00	0.00E+00	9.67E-09
7399	499814.6	3733814	2.032E-08	3.74E-08	0.00E+00	0.00E+00	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.78E-08	3.06E-09	6.52E-09	0.00E+00	0.00E+00	9.58E-09
7400	499805.7	3733810	2.01E-08	3.70E-08	0.00E+00	0.00E+00	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.70E-08	0.00E+00	0.00E+00	5.71E-08	3.03E-09	6.45E-09	0.00E+00	0.00E+00	9.48E-09
7401	499796.7	3733807	1.985E-08	3.66E-08	0.00E+00	0.00E+00	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.66E-08	0.00E+00	0.00E+00	5.64E-08	2.99E-09	6.38E-09	0.00E+00	0.00E+00	9.37E-09
7402	499787.8	3733803	1.958E-08	3.61E-08	0.00E+00	0.00E+00	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.61E-08	0.00E+00	0.00E+00	5.57E-08	2.95E-09	6.29E-09	0.00E+00	0.00E+00	9.24E-09
7403	499778.9	3733799	1.929E-08	3.56E-08	0.00E+00	0.00E+00	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.48E-08	2.90E-09	6.19E-09	0.00E+00	0.00E+00	9.10E-09
7404	499769.9	3733795	1.897E-08	3.50E-08	0.00E+00	0.00E+00	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	3.50E-08	0.00E+00	0.00E+00	5.39E-08	2.86E-09	6.09E-09	0.00E+00	0.00E+00	8.95E-09
7405	499761	3733792	1.864E-08	3.43E-08	0.00E+00	0.00E+00	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.30E-08	2.81E-09	5.98E-09	0.00E+00	0.00E+00	8.79E-09
7406	499752	3733788	1.828E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.37E-08	0.00E+00	0.00E+00	5.20E-08	2.75E-09	5.87E-09	0.00E+00	0.00E+00	8.62E-09

7407	499743.1	3733784	1.791E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	2.70E-09	5.75E-09	0.00E+00	0.00E+00	8.45E-09
7408	499734.2	3733780	1.752E-08	3.23E-08	0.00E+00	0.00E+00	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	3.23E-08	0.00E+00	0.00E+00	4.98E-08	2.64E-09	5.63E-09	0.00E+00	0.00E+00	8.27E-09
7409	499725.2	3733777	1.712E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	2.58E-09	5.50E-09	0.00E+00	0.00E+00	8.08E-09
7410	499716.3	3733773	1.672E-08	3.08E-08	0.00E+00	0.00E+00	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.08E-08	0.00E+00	0.00E+00	4.75E-08	2.52E-09	5.37E-09	0.00E+00	0.00E+00	7.89E-09
7411	499707.3	3733769	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	2.45E-09	5.23E-09	0.00E+00	0.00E+00	7.69E-09
7412	499698.4	3733765	1.588E-08	2.93E-08	0.00E+00	0.00E+00	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.51E-08	2.39E-09	5.10E-09	0.00E+00	0.00E+00	7.49E-09
7413	499689.5	3733762	1.545E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	2.33E-09	4.96E-09	0.00E+00	0.00E+00	7.29E-09
7414	499680.5	3733758	1.503E-08	2.77E-08	0.00E+00	0.00E+00	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.77E-08	0.00E+00	0.00E+00	4.27E-08	2.26E-09	4.83E-09	0.00E+00	0.00E+00	7.09E-09
7415	499635.5	3733702	1.321E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	1.99E-09	4.24E-09	0.00E+00	0.00E+00	6.23E-09
7416	499631.8	3733693	1.307E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.17E-09
7417	499628.2	3733684	1.292E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	1.95E-09	4.15E-09	0.00E+00	0.00E+00	6.10E-09
7418	499624.6	3733675	1.277E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.10E-09	0.00E+00	0.00E+00	6.02E-09
7419	499620.9	3733666	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.94E-09
7420	499617.3	3733657	1.243E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
7421	499613.6	3733648	1.225E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	1.85E-09	3.94E-09	0.00E+00	0.00E+00	5.78E-09
7422	499610	3733639	1.207E-08	2.23E-08	0.00E+00	0.00E+00	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.23E-08	0.00E+00	0.00E+00	3.43E-08	1.82E-09	3.88E-09	0.00E+00	0.00E+00	5.69E-09
7423	499606.3	3733630	1.189E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	1.79E-09	3.82E-09	0.00E+00	0.00E+00	5.61E-09
7424	499602.7	3733621	1.169E-08	2.16E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.52E-09
7425	499580.8	3733567	1.049E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
7426	499577.2	3733558	1.029E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.30E-09	0.00E+00	0.00E+00	4.85E-09
7427	499573.6	3733549	1.009E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.24E-09	0.00E+00	0.00E+00	4.76E-09
7428	499859.3	3733833	2.097E-08	3.86E-08	0.00E+00	0.00E+00	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.86E-08	0.00E+00	0.00E+00	5.96E-08	3.16E-09	6.73E-09	0.00E+00	0.00E+00	9.89E-09
7429	499869.1	3733833	2.126E-08	3.92E-08	0.00E+00	0.00E+00	6.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.92E-08	0.00E+00	0.00E+00	6.04E-08	3.20E-09	6.83E-09	0.00E+00	0.00E+00	1.00E-08
7430	499879	3733833	2.153E-08	3.97E-08	0.00E+00	0.00E+00	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.97E-08	0.00E+00	0.00E+00	6.12E-08	3.24E-09	6.91E-09	0.00E+00	0.00E+00	1.02E-08
7431	499888.8	3733833	2.177E-08	4.01E-08	0.00E+00	0.00E+00	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	4.01E-08	0.00E+00	0.00E+00	6.19E-08	3.28E-09	6.99E-09	0.00E+00	0.00E+00	1.03E-08
7432	499898.6	3733833	2.198E-08	4.05E-08	0.00E+00	0.00E+00	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	4.05E-08	0.00E+00	0.00E+00	6.25E-08	3.31E-09	7.06E-09	0.00E+00	0.00E+00	1.04E-08
7433	499908.4	3733833	2.217E-08	4.09E-08	0.00E+00	0.00E+00	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	4.09E-08	0.00E+00	0.00E+00	6.30E-08	3.34E-09	7.12E-09	0.00E+00	0.00E+00	1.05E-08
7434	499918.3	3733833	2.233E-08	4.12E-08	0.00E+00	0.00E+00	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	4.12E-08	0.00E+00	0.00E+00	6.35E-08	3.36E-09	7.17E-09	0.00E+00	0.00E+00	1.05E-08
7435	499928.1	3733833	2.246E-08	4.14E-08	0.00E+00	0.00E+00	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	4.14E-08	0.00E+00	0.00E+00	6.39E-08	3.38E-09	7.21E-09	0.00E+00	0.00E+00	1.06E-08
7436	499937.9	3733833	2.256E-08	4.16E-08	0.00E+00	0.00E+00	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.16E-08	0.00E+00	0.00E+00	6.41E-08	3.40E-09	7.25E-09	0.00E+00	0.00E+00	1.06E-08
7437	499947.7	3733833	2.263E-08	4.17E-08	0.00E+00	0.00E+00	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.17E-08	0.00E+00	0.00E+00	6.43E-08	3.41E-09	7.27E-09	0.00E+00	0.00E+00	1.07E-08
7438	499957.6	3733833	2.266E-08	4.18E-08	0.00E+00	0.00E+00	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	4.18E-08	0.00E+00	0.00E+00	6.44E-08	3.41E-09	7.28E-09	0.00E+00	0.00E+00	1.07E-08
7439	499967.4	3733833	2.267E-08	4.18E-08	0.00E+00	0.00E+00	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	4.18E-08	0.00E+00	0.00E+00	6.45E-08	3.41E-09	7.28E-09	0.00E+00	0.00E+00	1.07E-08
7440	499977.2	3733833	2.264E-08	4.17E-08	0.00E+00	0.00E+00	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.17E-08	0.00E+00	0.00E+00	6.44E-08	3.41E-09	7.27E-09	0.00E+00	0.00E+00	1.07E-08
7441	499987	3733833	2.258E-08	4.16E-08	0.00E+00	0.00E+00	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.16E-08	0.00E+00	0.00E+00	6.42E-08	3.40E-09	7.25E-09	0.00E+00	0.00E+00	1.07E-08
7442	499996.9	3733833	2.249E-08	4.15E-08	0.00E+00	0.00E+00	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	4.15E-08	0.00E+00	0.00E+00	6.39E-08	3.39E-09	7.22E-09	0.00E+00	0.00E+00	1.06E-08
7443	500006.7	3733833	2.237E-08	4.12E-08	0.00E+00	0.00E+00	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	4.12E-08	0.00E+00	0.00E+00	6.36E-08	3.37E-09	7.18E-09	0.00E+00	0.00E+00	1.06E-08
7444	500016.5	3733833	2.222E-08	4.09E-08	0.00E+00	0.00E+00	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	4.09E-08	0.00E+00	0.00E+00	6.32E-08	3.34E-09	7.13E-09	0.00E+00	0.00E+00	1.05E-08
7445	500026.3	3733833	2.203E-08	4.06E-08	0.00E+00	0.00E+00	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	4.06E-08	0.00E+00	0.00E+00	6.26E-08	3.32E-09	7.08E-09	0.00E+00	0.00E+00	1.04E-08
7446	500036.2	3733833	2.182E-08	4.02E-08	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	4.02E-08	0.00E+00	0.00E+00	6.20E-08	3.29E-09	7.01E-09	0.00E+00	0.00E+00	1.03E-08
7447	500046	3733833	2.158E-08	3.98E-08	0.00E+00	0.00E+00	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.98E-08	0.00E+00	0.00E+00	6.14E-08	3.25E-09	6.93E-09	0.00E+00	0.00E+00	1.02E-08
7448	500055.8	3733833	2.132E-08	3.93E-08	0.00E+00	0.00E+00	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.93E-08	0.00E+00	0.00E+00	6.06E-08	3.21E-09	6.85E-09	0.00E+00	0.00E+00	1.01E-08
7449	500065.6	3733833	2.103E-08	3.88E-08	0.00E+00	0.00E+00	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.88E-08	0.00E+00	0.00E+00	5.98E-08	3.17E-09	6.75E-09	0.00E+00	0.00E+00	9.92E-09
7450	500075.5	3733833	2.071E-08	3.82E-08	0.00E+00	0.00E+00	5.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.82E-08	0.00E+00	0.00E+00	5.89E-08	3.12E-09	6.65E-09	0.00E+00	0.00E+00	9.77E-09
7451	500085.3	3733833	2.037E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	3.07E-09	6.54E-09	0.00E+00	0.00E+00	9.61E-09
7452	500095.1	3733833	2.002E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.69E-08	3.01E-09	6.43E-09	0.00E+00	0.00E+00	9.44E-09
7453	500104.9	3733833	1.964E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	2.96E-09	6.31E-09	0.00E+00	0.00E+00	9.27E-09
7454	500114.8	3733833	1.925E-08	3.55E-08	0.00E+00	0.00E+00	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.55E-08	0.00E+00	0.00E+00	5.47E-08	2.90E-09	6.18E-09	0.00E+00	0.00E+00	9.08E-09
7455	500124.6	3733833	1.885E-08	3.47E-08	0.00E+00	0.00E+00	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.36E-08	2.84E-09	6.05E-09	0.00E+00	0.00E+00	8.89E-09
7456	500134.4	3733833	1.843E-08	3.40E-08	0.00E+00	0.00E+00	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	3.40E-08	0.00E+00	0.00E+00	5.24E-08	2.77E-09	5.92E-09	0.00E+00	0.00E+00	8.69E-09
7457	500144.2	3733833	1.8E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	2.71E-09	5.78E-09	0.00E+00	0.00E+00	8.49E-09
7458	500154.1	3733833	1.757E-08	3.24E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.24E-08	0.00E+00	0.00E+00	4.99E-08	2.64E-09	5.64E-09	0.00E+00	0.00E+00	8.29E-09
7459	500163.9	3733833	1.712E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	2.58E-09	5.50E-09	0.00E+00	0.00E+00	8.08E-09
7460	500173.7	3733833	1.668E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	2.51E-09	5.36E-09	0.00E+00	0.00E+00	7.87E-09
7461	500183.5	3733833	1.623E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	2.44E-09	5.21E-09	0.00E+00	0.00E+00	7.65E-09
7462	499850.5	3733859	1.926E-08	3.55E-08	0.00E+00	0.00E+00	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.55E-08	0.00E+00	0.00E+00	5.48E-08	2.90E-09	6.19E-09	0.00E+00	0.00E+00	9.09E-09
7463	499841.8	3733855	1.92E-08	3.54E-08	0.00E+00	0.00E+00	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	3.54E-08	0.00E+00	0.00E+00	5.46E-08	2.89E-09	6.17E-09	0.00E+00	0.00E+00	9.06E-09
7464	499833.1	3733852	1.912E-08	3.52E-08	0.00E+00	0.00E+00	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	3.52E-08	0.00E+00	0.00E+00	5.44E-08	2.88E-09	6.14E-09	0.00E+00	0.00E+00	9.02E-09
7465	499824.4	3733848	1.901E-08	3.50E-08	0.00E+00	0.00E+00	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	3.50E-08	0.00E+00	0.00E+00	5.40E-08	2.86E-09	6.10E-09	0.00E+00	0.00E+00	8.97E-09
7466	499815.6	3733844	1.888E-08	3.48E-08	0.00E+00	0.00E+00	5.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	3.48E-08	0.00E+00	0.00E+00	5.37E-08	2.84E-09	6.06E-09	0.00E+00	0.00E+00	8.90E-09
7467	499806.9	3733841	1.872E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	2.82E-09	6.01E-09	0.00E+00	0.00E+00	8.83E-09
7468	499798.2	3733837	1.854E-08	3.42E-08	0.00E+00	0.00E+00	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.42E-08	0.00E+00	0.00E+00	5.27E-08	2.79E-09	5.95E-09	0.00E+00	0.00E+00	8.75E-09
7469	499789.4	3733834	1.834E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	2.76E-09	5.89E-09	0.00E+00	0.00E+00	8.65E-09
7470	499780.7	3733830	1.812E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	2.73E-09	5.82E-09	0.00E+00	0.00E+00	8.55E-09
7471	499772	3733826	1.788E-08	3.30E-08	0.00E+00	0.00E+00	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.08E-08	2.69E-09	5.74E-09	0.00E+00	0.00E+00	8.43E-09
7472	499763.3	3733823	1.762E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	2.65E-09	5.66E-09	0.00E+00	0.00E+00	8.31E-09
7473	499754.5	3733819	1.734E-08	3.20E-08	0.00E+00	0.00E+00	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.20E-08	0.00E+00	0.00E+00	4.93E-08	2.61E-09	5.57E-09	0.00E+00	0.00E+00	8.18E-09
7474	499745.8	3733815	1.705E-08	3.14E-08	0.00E+00	0.00E+00	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.14E-08	0.00E+00	0.00E+00	4.85E-08	2.57E-09	5.48E-09	0.00E+00	0.00E+00	8.04E-09
7475	499737.1	3733812	1.674E-08	3.09E-08	0.00E+00	0.00E+00	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.09E-08	0.00E+00	0.00E+00	4.76E-08	2.52E-09	5.38E-09	0.00E+00	0.00E+00	7.90E-09
7476	499728.4	3733808	1.643E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	2.47E-09	5.27E-09	0.00E+00	0.00E+00	7.75E-09
7477	499719.6	3733804	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	2.42E-09	5.17E-09	0.00E+00	0.00E+00	7.59E-09
7478	499710.9	3733801	1.575E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	2.37E-09	5.06E-09	0.00E+00	0.00E+00	7.43E-09
7479	499702.2	3733797	1.541E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.38E-08	2.32E-09	4.95E-09	0.00E+00	0.00E+00	7.27E-09
7480	499693.5	3733793	1.505E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	2.27E-09	4.83E-09	0.00E+00	0.00E+00	7.10E-09
7481	499684.7	3733790	1.469E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.93E-09
7482	499676	3733786	1.433E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.76E-09
7483	499667.3	3733782	1.397E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	2.10E-09	4.49E-09	0.00E+00	0.00E+00	6.59E-09
7484	499658.5	3733779	1.361E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.37E-09	0.00E+00	0.00E+00	6.42E-09
7485	499649.8	3733775	1.325E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	1.99E-09	4.25E-09	0.00E+00	0.00E+00	6.25E-09
7486	499641.1	3733771	1.289E-08	2.38E-08	0.00E+00	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.66E-08	1.94E-09	4.14E-09	0.00E+00	0.00E+00	6.08E-09
7487	499628.8	3733759	1.245E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	1.87E-09	4.00E-09	0.00E+00	0.00E+00	5.87E-09
7488	499625.3	3733750	1.236E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
7489	499621.7	3733741	1.226E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	1.85E-09	3.94E-09	0.00E+00	0.00E+00	5.78E-09
7490	499618.1	3733733	1.216E-08	2.24E-08	0.00E+00	0.00E+00	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.24E-08	0.00E+00	0.00E+00	3.46E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.74E-09
7491	499614.6	3733724	1.204E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.87E-09	0.00E+00	0.00E+00	5.68E-09
7492	499611	3733715	1.192E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	1.80E-09	3.83E-09	0.00E+00	0.00E+00	5.62E-09
7493	499607.5	3733706	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.78E-09	3.79E-09	0.00E+00	0.00E+00	5.56E-09
7494	499603.9	3733698	1.166E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.50E-09
7495	499600.4	3733689	1.152E-08	2.12E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.28E-08	1.73E-09	3.70E-09	0.00E+00	0.00E+00	5.44E-09
7496	499596.8	3733680	1.138E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.71E-09	3.65E-09	0.00E+00	0.00E+00	5.37E-09
7497	499593.2	3733671	1.123E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	1.69E-09	3.61E-09	0.00E+00	0.00E+00	5.30E-09
7498	499589.7	3733663	1.107E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.22E-09
7499	499586.1	3733654	1.092E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.51E-09	0.00E+00	0.00E+00	5.15E-09
7500	499582.6	3733645	1.075E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
7501	499575.5	3733627	1.042E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.92E-09
7502	499557.7	3733584	9.558E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	1.44E-09	3.07E-09	0.00E+00	0.00E+00	4.51E-09
7503	499554.1	3733575	9.383E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.43E-09
7504	499550.6	3733566	9.208E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.34E-09
7505	499547	3733557	9.033E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.90E-09	0.00E+00	0.00E+00	4.26E-09
7506	499859.3	3733863	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.49E-08	2.91E-09	6.20E-09	0.00E+00	0.00E+00	9.10E-09
7507	499869.1	3733863	1.953E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	2.94E-09	6.27E-09	0.00E+00	0.00E+00	9.21E-09
7508	499878.9	3733863	1.974E-08	3.64E-08	0.00E+00	0.00E+00	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.64E-08	0.00E+00	0.00E+00	5.61E-08	2.97E-09	6.34E-09	0.00E+00	0.00E+00	9.31E-09
7509	499888.7	3733863	1.993E-08	3.67E-08	0.00E+00	0.00E+00	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.67E-08	3.00E-09	6.40E-09	0.00E+00	0.00E+00	9.40E-09
7510	499898.6	3733863	2.01E-08	3.70E-08	0.00E+00	0.00E+00	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.70E-08	0.00E+00	0.00E+00	5.71E-08	3.03E-09	6.45E-09	0.00E+00	0.00E+00	9.48E-09
7511	499908.4	3733863	2.024E-08	3.73E-08	0.00E+00	0.00E+00	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.73E-08	0.00E+00	0.00E+00	5.75E-08	3.05E-09	6.50E-09	0.00E+00	0.00E+00	9.55E-09
7512	499918.2	3733863	2.036E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.75E-08	0.00E+00	0.00E+00	5.79E-08	3.07E-09	6.54E-09	0.00E+00	0.00E+00	9.60E-09
7513	499928	3733863	2.045E-08	3.77E-08	0.00E+00	0.00E+00	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.77E-08	0.00E+00	0.00E+00	5.81E-08	3.08E-09	6.57E-09	0.00E+00	0.00E+00	9.65E-09
7514	499937.9	3733863	2.052E-08	3.78E-08	0.00E+00	0.00E+00	5.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.78E-08	0.00E+00	0.00E+00	5.83E-08	3.09E-09	6.59E-09	0.00E+00	0.00E+00	9.68E-09
7515	499947.7	3733863	2.056E-08	3.79E-08	0.00E+00	0.00E+00	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.79E-08	0.00E+00	0.00E+00	5.85E-08	3.10E-09	6.60E-09	0.00E+00	0.00E+00	9.70E-09
7516	499957.5	3733863	2.058E-08	3.79E-08	0.00E+00	0.00E+00	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.79E-08	0.00E+00	0.00E+00	5.85E-08	3.10E-09	6.61E-09	0.00E+00	0.00E+00	9.71E-09
7517	499967.3	3733863	2.057E-08	3.79E-08	0.00E+00	0.00E+00	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.79E-08	0.00E+00	0.00E+00	5.85E-08	3.10E-09	6.60E-09	0.00E+00	0.00E+00	9.70E-09
7518	499977.2	3733863	2.053E-08	3.78E-08	0.00E+00	0.00E+00	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.78E-08	0.00E+00	0.00E+00	5.84E-08	3.09E-09	6.59E-09	0.00E+00	0.00E+00	9.68E-09
7519	499987	3733863	2.047E-08	3.77E-08	0.00E+00	0.00E+00	5.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	3.77E-08	0.00E+00	0.00E+00	5.82E-08	3.08E-09	6.57E-09	0.00E+00	0.00E+00	9.65E-09
7520	499996.8	3733863	2.038E-08	3.76E-08	0.00E+00	0.00E+00	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.76E-08	0.00E+00	0.00E+00	5.79E-08	3.07E-09	6.54E-09	0.00E+00	0.00E+00	9.61E-09
7521	500006.6	3733863	2.026E-08	3.73E-08	0.00E+00	0.00E+00	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.73E-08	0.00E+00	0.00E+00	5.76E-08	3.05E-09	6.51E-09	0.00E+00	0.00E+00	9.56E-09
7522	500016.5	3733863	2.012E-08	3.71E-08	0.00E+00	0.00E+00	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.71E-08	0.00E+00	0.00E+00	5.72E-08	3.03E-09	6.46E-09	0.00E+00	0.00E+00	9.49E-09
7523	500026.3	3733863	1.996E-08	3.68E-08	0.00E+00	0.00E+00	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.68E-08	0.00E+00	0.00E+00	5.67E-08	3.00E-09	6.41E-09	0.00E+00	0.00E+00	9.41E-09
7524	500036.1	3733863	1.977E-08	3.64E-08	0.00E+00	0.00E+00	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	3.64E-08	0.00E+00	0.00E+00	5.62E-08	2.98E-09	6.35E-09	0.00E+00	0.00E+00	9.33E-09
7525	500045.9	3733863	1.956E-08	3.61E-08	0.00E+00	0.00E+00	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.61E-08	0.00E+00	0.00E+00	5.56E-08	2.95E-09	6.28E-09	0.00E+00	0.00E+00	9.23E-09
7526	500055.8	3733863	1.933E-08	3.56E-08	0.00E+00	0.00E+00	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.56E-08	0.00E+00	0.00E+00	5.50E-08	2.91E-09	6.21E-09	0.00E+00	0.00E+00	9.12E-09
7527	500065.6	3733863	1.908E-08	3.52E-08	0.00E+00	0.00E+00	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	3.52E-08	0.00E+00	0.00E+00	5.42E-08	2.87E-09	6.13E-09	0.00E+00	0.00E+00	9.00E-09
7528	500075.4	3733863	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	2.83E-09	6.04E-09	0.00E+00	0.00E+00	8.87E-09
7529	500085.2	3733863	1.852E-08	3.41E-08	0.00E+00	0.00E+00	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.41E-08	0.00E+00	0.00E+00	5.26E-08	2.79E-09	5.95E-09	0.00E+00	0.00E+00	8.73E-09
7530	500095	3733863	1.821E-08	3.36E-08	0.00E+00	0.00E+00	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	3.36E-08	0.00E+00	0.00E+00	5.18E-08	2.74E-09	5.85E-09	0.00E+00	0.00E+00	8.59E-09
7531	500104.9	3733863	1.789E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	2.69E-09	5.75E-09	0.00E+00	0.00E+00	8.44E-09
7532	500114.7	3733863	1.756E-08	3.24E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.24E-08	0.00E+00	0.00E+00	4.99E-08	2.64E-09	5.64E-09	0.00E+00	0.00E+00	8.28E-09
7533	500124.5	3733863	1.722E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	2.59E-09	5.53E-09	0.00E+00	0.00E+00	8.12E-09
7534	500134.3	3733863	1.686E-08	3.11E-08	0.00E+00	0.00E+00	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.11E-08	0.00E+00	0.00E+00	4.79E-08	2.54E-09	5.41E-09	0.00E+00	0.00E+00	7.95E-09
7535	500144.2	3733863	1.65E-08	3.04E-08	0.00E+00	0.00E+00	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.04E-08	0.00E+00	0.00E+00	4.69E-08	2.48E-09	5.30E-09	0.00E+00	0.00E+00	7.78E-09
7536	500154	3733863	1.613E-08	2.97E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.59E-08	2.43E-09	5.18E-09	0.00E+00	0.00E+00	7.61E-09

7537	500163.8	3733863	1.575E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	2.37E-09	5.06E-09	0.00E+00	0.00E+00	7.43E-09
7538	500173.6	3733863	1.537E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	2.31E-09	4.94E-09	0.00E+00	0.00E+00	7.25E-09
7539	500183.5	3733863	1.499E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	2.26E-09	4.81E-09	0.00E+00	0.00E+00	7.07E-09
7540	499850.3	3733889	1.782E-08	3.28E-08	0.00E+00	0.00E+00	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.07E-08	2.68E-09	5.72E-09	0.00E+00	0.00E+00	8.40E-09
7541	499841.5	3733885	1.778E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	2.68E-09	5.71E-09	0.00E+00	0.00E+00	8.39E-09
7542	499832.6	3733882	1.773E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	2.67E-09	5.69E-09	0.00E+00	0.00E+00	8.36E-09
7543	499823.8	3733878	1.765E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.02E-08	2.66E-09	5.67E-09	0.00E+00	0.00E+00	8.33E-09
7544	499814.9	3733874	1.755E-08	3.24E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.24E-08	0.00E+00	0.00E+00	4.99E-08	2.64E-09	5.64E-09	0.00E+00	0.00E+00	8.28E-09
7545	499806	3733870	1.743E-08	3.21E-08	0.00E+00	0.00E+00	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	3.21E-08	0.00E+00	0.00E+00	4.96E-08	2.62E-09	5.60E-09	0.00E+00	0.00E+00	8.22E-09
7546	499797.2	3733867	1.729E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	2.60E-09	5.55E-09	0.00E+00	0.00E+00	8.16E-09
7547	499788.3	3733863	1.713E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	2.58E-09	5.50E-09	0.00E+00	0.00E+00	8.08E-09
7548	499779.4	3733859	1.696E-08	3.13E-08	0.00E+00	0.00E+00	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.13E-08	0.00E+00	0.00E+00	4.82E-08	2.55E-09	5.45E-09	0.00E+00	0.00E+00	8.00E-09
7549	499770.6	3733856	1.676E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	2.52E-09	5.38E-09	0.00E+00	0.00E+00	7.91E-09
7550	499761.7	3733852	1.655E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.81E-09
7551	499752.8	3733848	1.632E-08	3.01E-08	0.00E+00	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.01E-08	0.00E+00	0.00E+00	4.64E-08	2.46E-09	5.24E-09	0.00E+00	0.00E+00	7.70E-09
7552	499744	3733845	1.607E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	2.42E-09	5.16E-09	0.00E+00	0.00E+00	7.58E-09
7553	499735.1	3733841	1.582E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	2.38E-09	5.08E-09	0.00E+00	0.00E+00	7.46E-09
7554	499726.3	3733837	1.555E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	2.34E-09	4.99E-09	0.00E+00	0.00E+00	7.33E-09
7555	499717.4	3733833	1.526E-08	2.81E-08	0.00E+00	0.00E+00	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.81E-08	0.00E+00	0.00E+00	4.34E-08	2.30E-09	4.90E-09	0.00E+00	0.00E+00	7.20E-09
7556	499708.5	3733830	1.497E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	2.25E-09	4.81E-09	0.00E+00	0.00E+00	7.06E-09
7557	499699.7	3733826	1.467E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	2.21E-09	4.71E-09	0.00E+00	0.00E+00	6.92E-09
7558	499690.8	3733822	1.436E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
7559	499681.9	3733819	1.404E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	2.11E-09	4.51E-09	0.00E+00	0.00E+00	6.62E-09
7560	499673.1	3733815	1.373E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	2.07E-09	4.41E-09	0.00E+00	0.00E+00	6.47E-09
7561	499664.2	3733811	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.30E-09	0.00E+00	0.00E+00	6.32E-09
7562	499655.3	3733807	1.308E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.17E-09
7563	499646.5	3733804	1.276E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.10E-09	0.00E+00	0.00E+00	6.02E-09
7564	499637.6	3733800	1.243E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
7565	499628.8	3733796	1.211E-08	2.23E-08	0.00E+00	0.00E+00	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.23E-08	0.00E+00	0.00E+00	3.44E-08	1.82E-09	3.89E-09	0.00E+00	0.00E+00	5.71E-09
7566	499619.9	3733793	1.179E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.79E-09	0.00E+00	0.00E+00	5.56E-09
7567	499607.4	3733780	1.139E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.37E-09
7568	499603.8	3733771	1.131E-08	2.08E-08	0.00E+00	0.00E+00	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.22E-08	1.70E-09	3.63E-09	0.00E+00	0.00E+00	5.33E-09
7569	499600.2	3733762	1.122E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.19E-08	1.69E-09	3.60E-09	0.00E+00	0.00E+00	5.29E-09
7570	499596.6	3733753	1.112E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.25E-09
7571	499593	3733744	1.102E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	1.66E-09	3.54E-09	0.00E+00	0.00E+00	5.20E-09
7572	499589.4	3733735	1.091E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
7573	499585.8	3733727	1.079E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
7574	499582.1	3733718	1.067E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.03E-09
7575	499578.5	3733709	1.054E-08	1.94E-08	0.00E+00	0.00E+00	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	3.00E-08	1.59E-09	3.39E-09	0.00E+00	0.00E+00	4.97E-09
7576	499574.9	3733700	1.041E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.91E-09
7577	499567.7	3733682	1.014E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.78E-09
7578	499564.1	3733673	9.996E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.51E-09	3.21E-09	0.00E+00	0.00E+00	4.72E-09
7579	499560.5	3733664	9.85E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.16E-09	0.00E+00	0.00E+00	4.65E-09
7580	499556.9	3733655	9.702E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
7581	499535.2	3733602	8.777E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.14E-09
7582	499531.6	3733593	8.619E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
7583	499528	3733584	8.461E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.27E-09	2.72E-09	0.00E+00	0.00E+00	3.99E-09
7584	499524.4	3733575	8.304E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
7585	499520.7	3733566	8.148E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.84E-09
7586	499859.2	3733893	1.783E-08	3.29E-08	0.00E+00	0.00E+00	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.29E-08	0.00E+00	0.00E+00	5.07E-08	2.68E-09	5.73E-09	0.00E+00	0.00E+00	8.41E-09
7587	499869	3733893	1.802E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	2.71E-09	5.79E-09	0.00E+00	0.00E+00	8.50E-09
7588	499878.9	3733893	1.818E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	2.74E-09	5.84E-09	0.00E+00	0.00E+00	8.58E-09
7589	499888.7	3733893	1.833E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	2.76E-09	5.89E-09	0.00E+00	0.00E+00	8.65E-09
7590	499898.5	3733893	1.846E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	2.78E-09	5.93E-09	0.00E+00	0.00E+00	8.71E-09
7591	499908.3	3733893	1.856E-08	3.42E-08	0.00E+00	0.00E+00	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.42E-08	0.00E+00	0.00E+00	5.28E-08	2.80E-09	5.96E-09	0.00E+00	0.00E+00	8.76E-09
7592	499918.1	3733893	1.865E-08	3.44E-08	0.00E+00	0.00E+00	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.44E-08	0.00E+00	0.00E+00	5.30E-08	2.81E-09	5.99E-09	0.00E+00	0.00E+00	8.80E-09
7593	499928	3733893	1.872E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	2.82E-09	6.01E-09	0.00E+00	0.00E+00	8.83E-09
7594	499937.8	3733893	1.876E-08	3.46E-08	0.00E+00	0.00E+00	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.46E-08	0.00E+00	0.00E+00	5.33E-08	2.82E-09	6.03E-09	0.00E+00	0.00E+00	8.85E-09
7595	499947.6	3733893	1.878E-08	3.46E-08	0.00E+00	0.00E+00	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.46E-08	0.00E+00	0.00E+00	5.34E-08	2.83E-09	6.03E-09	0.00E+00	0.00E+00	8.86E-09
7596	499957.4	3733893	1.878E-08	3.46E-08	0.00E+00	0.00E+00	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.46E-08	0.00E+00	0.00E+00	5.34E-08	2.83E-09	6.03E-09	0.00E+00	0.00E+00	8.86E-09
7597	499967.3	3733893	1.876E-08	3.46E-08	0.00E+00	0.00E+00	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.46E-08	0.00E+00	0.00E+00	5.33E-08	2.83E-09	6.03E-09	0.00E+00	0.00E+00	8.85E-09
7598	499977.1	3733893	1.872E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.32E-08	2.82E-09	6.01E-09	0.00E+00	0.00E+00	8.83E-09
7599	499986.9	3733893	1.865E-08	3.44E-08	0.00E+00	0.00E+00	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.44E-08	0.00E+00	0.00E+00	5.30E-08	2.81E-09	5.99E-09	0.00E+00	0.00E+00	8.80E-09
7600	499996.7	3733893	1.857E-08	3.42E-08	0.00E+00	0.00E+00	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.42E-08	0.00E+00	0.00E+00	5.28E-08	2.80E-09	5.96E-09	0.00E+00	0.00E+00	8.76E-09
7601	500006.6	3733893	1.846E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	2.78E-09	5.93E-09	0.00E+00	0.00E+00	8.71E-09
7602	500016.4	3733893	1.833E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	2.76E-09	5.89E-09	0.00E+00	0.00E+00	8.65E-09
7603	500026.2	3733893	1.818E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	2.74E-09	5.84E-09	0.00E+00	0.00E+00	8.58E-09
7604	500036	3733893	1.802E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	2.71E-09	5.79E-09	0.00E+00	0.00E+00	8.50E-09
7605	500045.9	3733893	1.783E-08	3.29E-08	0.00E+00	0.00E+00	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.29E-08	0.00E+00	0.00E+00	5.07E-08	2.68E-09	5.73E-09	0.00E+00	0.00E+00	8.41E-09
7606	500055.7	3733893	1.763E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	2.65E-09	5.66E-09	0.00E+00	0.00E+00	8.31E-09
7607	500065.5	3733893	1.741E-08	3.21E-08	0.00E+00	0.00E+00	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	3.21E-08	0.00E+00	0.00E+00	4.95E-08	2.62E-09	5.59E-09	0.00E+00	0.00E+00	8.21E-09
7608	500075.3	3733893	1.717E-08	3.17E-08	0.00E+00	0.00E+00	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.88E-08	2.59E-09	5.52E-09	0.00E+00	0.00E+00	8.10E-09
7609	500085.2	3733893	1.693E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	2.55E-09	5.44E-09	0.00E+00	0.00E+00	7.98E-09
7610	500095	3733893	1.666E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	2.51E-09	5.35E-09	0.00E+00	0.00E+00	7.86E-09
7611	500104.8	3733893	1.639E-08	3.02E-08	0.00E+00	0.00E+00	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.02E-08	0.00E+00	0.00E+00	4.66E-08	2.47E-09	5.26E-09	0.00E+00	0.00E+00	7.73E-09
7612	500114.6	3733893	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.97E-08	0.00E+00	0.00E+00	4.58E-08	2.42E-09	5.17E-09	0.00E+00	0.00E+00	7.60E-09
7613	500124.5	3733893	1.581E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	2.38E-09	5.08E-09	0.00E+00	0.00E+00	7.46E-09
7614	500134.3	3733893	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.41E-08	2.33E-09	4.98E-09	0.00E+00	0.00E+00	7.31E-09
7615	500144.1	3733893	1.519E-08	2.80E-08	0.00E+00	0.00E+00	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.32E-08	2.29E-09	4.88E-09	0.00E+00	0.00E+00	7.17E-09
7616	500153.9	3733893	1.488E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	2.24E-09	4.78E-09	0.00E+00	0.00E+00	7.02E-09
7617	500163.8	3733893	1.455E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	2.19E-09	4.67E-09	0.00E+00	0.00E+00	6.87E-09
7618	500173.6	3733893	1.423E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.71E-09
7619	500183.4	3733893	1.39E-08	2.56E-08	0.00E+00	0.00E+00	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.56E-08	0.00E+00	0.00E+00	3.95E-08	2.09E-09	4.46E-09	0.00E+00	0.00E+00	6.56E-09
7620	499850.2	3733919	1.653E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.80E-09
7621	499841.2	3733915	1.652E-08	3.04E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.04E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.30E-09	0.00E+00	0.00E+00	7.79E-09
7622	499832.2	3733911	1.648E-08	3.04E-08	0.00E+00	0.00E+00	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.04E-08	0.00E+00	0.00E+00	4.69E-08	2.48E-09	5.29E-09	0.00E+00	0.00E+00	7.77E-09
7623	499823.2	3733908	1.643E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	2.47E-09	5.28E-09	0.00E+00	0.00E+00	7.75E-09
7624	499814.2	3733904	1.636E-08	3.02E-08	0.00E+00	0.00E+00	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.02E-08	0.00E+00	0.00E+00	4.65E-08	2.46E-09	5.25E-09	0.00E+00	0.00E+00	7.72E-09
7625	499805.3	3733900	1.627E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.00E-08	0.00E+00	0.00E+00	4.63E-08	2.45E-09	5.23E-09	0.00E+00	0.00E+00	7.68E-09
7626	499796.3	3733896	1.617E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	2.43E-09	5.19E-09	0.00E+00	0.00E+00	7.63E-09
7627	499787.3	3733893	1.604E-08	2.96E-08	0.00E+00	0.00E+00	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.96E-08	0.00E+00	0.00E+00	4.56E-08	2.42E-09	5.15E-09	0.00E+00	0.00E+00	7.57E-09
7628	499778.3	3733889	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	2.39E-09	5.11E-09	0.00E+00	0.00E+00	7.50E-09
7629	499769.3	3733885	1.574E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	2.37E-09	5.05E-09	0.00E+00	0.00E+00	7.42E-09
7630	499760.3	3733881	1.557E-08	2.87E-08	0.00E+00	0.00E+00	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.87E-08	0.00E+00	0.00E+00	4.43E-08	2.34E-09	5.00E-09	0.00E+00	0.00E+00	7.34E-09
7631	499751.4	3733878	1.538E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	2.32E-09	4.94E-09	0.00E+00	0.00E+00	7.25E-09
7632	499742.4	3733874	1.517E-08	2.80E-08	0.00E+00	0.00E+00	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.31E-08	2.28E-09	4.87E-09	0.00E+00	0.00E+00	7.16E-09
7633	499733.4	3733870	1.496E-08	2.76E-08	0.00E+00	0.00E+00	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.76E-08	0.00E+00	0.00E+00	4.25E-08	2.25E-09	4.80E-09	0.00E+00	0.00E+00	7.05E-09
7634	499724.4	3733866	1.473E-08	2.71E-08	0.00E+00	0.00E+00	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.19E-08	2.22E-09	4.73E-09	0.00E+00	0.00E+00	6.95E-09
7635	499715.4	3733863	1.449E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	2.18E-09	4.65E-09	0.00E+00	0.00E+00	6.83E-09
7636	499706.5	3733859	1.423E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.71E-09
7637	499697.5	3733855	1.397E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	2.10E-09	4.49E-09	0.00E+00	0.00E+00	6.59E-09
7638	499688.5	3733851	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.46E-09
7639	499679.5	3733848	1.343E-08	2.47E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.31E-09	0.00E+00	0.00E+00	6.33E-09
7640	499670.5	3733844	1.315E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	1.98E-09	4.22E-09	0.00E+00	0.00E+00	6.20E-09
7641	499661.6	3733840	1.286E-08	2.37E-08	0.00E+00	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.37E-08	0.00E+00	0.00E+00	3.66E-08	1.94E-09	4.13E-09	0.00E+00	0.00E+00	6.07E-09
7642	499652.6	3733836	1.257E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.89E-09	4.04E-09	0.00E+00	0.00E+00	5.93E-09
7643	499643.6	3733833	1.228E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	1.85E-09	3.95E-09	0.00E+00	0.00E+00	5.79E-09
7644	499634.6	3733829	1.199E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	1.81E-09	3.85E-09	0.00E+00	0.00E+00	5.66E-09
7645	499625.6	3733825	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.52E-09
7646	499616.6	3733821	1.141E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.38E-09
7647	499607.7	3733817	1.112E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
7648	499598.7	3733814	1.083E-08	2.00E-08	0.00E+00	0.00E+00	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.00E-08	0.00E+00	0.00E+00	3.08E-08	1.63E-09	3.48E-09	0.00E+00	0.00E+00	5.11E-09
7649	499586	3733801	1.047E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.36E-09	0.00E+00	0.00E+00	4.94E-09
7650	499582.4	3733792	1.039E-08	1.92E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.95E-08	1.56E-09	3.34E-09	0.00E+00	0.00E+00	4.90E-09
7651	499578.7	3733783	1.031E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.86E-09
7652	499575.1	3733774	1.022E-08	1.88E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.28E-09	0.00E+00	0.00E+00	4.82E-09
7653	499571.4	3733765	1.012E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.78E-09
7654	499567.7	3733756	1.002E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.73E-09
7655	499564.1	3733747	9.918E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.19E-09	0.00E+00	0.00E+00	4.68E-09
7656	499560.4	3733738	9.808E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.15E-09	0.00E+00	0.00E+00	4.63E-09
7657	499556.8	3733729	9.693E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
7658	499553.1	3733720	9.575E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	1.44E-09	3.07E-09	0.00E+00	0.00E+00	4.52E-09
7659	499549.4	3733711	9.453E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	1.42E-09	3.04E-09	0.00E+00	0.00E+00	4.46E-09
7660	499545.8	3733702	9.327E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	3.00E-09	0.00E+00	0.00E+00	4.40E-09
7661	499542.1	3733693	9.198E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.34E-09
7662	499538.5	3733684	9.067E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.91E-09	0.00E+00	0.00E+00	4.28E-09
7663	499534.8	3733675	8.933E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.34E-09	2.87E-09	0.00E+00	0.00E+00	4.21E-09
7664	499531.1	3733666	8.797E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.83E-09	0.00E+00	0.00E+00	4.15E-09
7665	499859.1	3733923	1.653E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.80E-09
7666	499869	3733923	1.667E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	2.51E-09	5.35E-09	0.00E+00	0.00E+00	7.87E-09

7667	499878.8	3733923	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	2.53E-09	5.40E-09	0.00E+00	0.00E+00	7.93E-09
7668	499888.6	3733923	1.692E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	2.55E-09	5.43E-09	0.00E+00	0.00E+00	7.98E-09
7669	499898.4	3733923	1.702E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.14E-08	0.00E+00	0.00E+00	4.84E-08	2.56E-09	5.47E-09	0.00E+00	0.00E+00	8.03E-09
7670	499908.3	3733923	1.71E-08	3.15E-08	0.00E+00	0.00E+00	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.15E-08	0.00E+00	0.00E+00	4.86E-08	2.57E-09	5.49E-09	0.00E+00	0.00E+00	8.07E-09
7671	499918.1	3733923	1.716E-08	3.16E-08	0.00E+00	0.00E+00	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.16E-08	0.00E+00	0.00E+00	4.88E-08	2.58E-09	5.51E-09	0.00E+00	0.00E+00	8.09E-09
7672	499927.9	3733923	1.721E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	2.59E-09	5.53E-09	0.00E+00	0.00E+00	8.12E-09
7673	499937.7	3733923	1.723E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	2.59E-09	5.53E-09	0.00E+00	0.00E+00	8.13E-09
7674	499947.6	3733923	1.724E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	2.60E-09	5.54E-09	0.00E+00	0.00E+00	8.13E-09
7675	499957.4	3733923	1.723E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.18E-08	0.00E+00	0.00E+00	4.90E-08	2.59E-09	5.53E-09	0.00E+00	0.00E+00	8.13E-09
7676	499967.2	3733923	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.17E-08	0.00E+00	0.00E+00	4.89E-08	2.59E-09	5.52E-09	0.00E+00	0.00E+00	8.11E-09
7677	499977	3733923	1.715E-08	3.16E-08	0.00E+00	0.00E+00	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	3.16E-08	0.00E+00	0.00E+00	4.88E-08	2.58E-09	5.51E-09	0.00E+00	0.00E+00	8.09E-09
7678	499986.9	3733923	1.709E-08	3.15E-08	0.00E+00	0.00E+00	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.15E-08	0.00E+00	0.00E+00	4.86E-08	2.57E-09	5.49E-09	0.00E+00	0.00E+00	8.06E-09
7679	499996.7	3733923	1.7E-08	3.13E-08	0.00E+00	0.00E+00	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.13E-08	0.00E+00	0.00E+00	4.83E-08	2.56E-09	5.46E-09	0.00E+00	0.00E+00	8.02E-09
7680	500006.5	3733923	1.691E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	2.55E-09	5.43E-09	0.00E+00	0.00E+00	7.97E-09
7681	500016.3	3733923	1.679E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	2.53E-09	5.39E-09	0.00E+00	0.00E+00	7.92E-09
7682	500026.2	3733923	1.666E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	2.51E-09	5.35E-09	0.00E+00	0.00E+00	7.86E-09
7683	500036	3733923	1.651E-08	3.04E-08	0.00E+00	0.00E+00	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.04E-08	0.00E+00	0.00E+00	4.69E-08	2.49E-09	5.30E-09	0.00E+00	0.00E+00	7.79E-09
7684	500045.8	3733923	1.634E-08	3.01E-08	0.00E+00	0.00E+00	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.01E-08	0.00E+00	0.00E+00	4.65E-08	2.46E-09	5.25E-09	0.00E+00	0.00E+00	7.71E-09
7685	500055.6	3733923	1.616E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.98E-08	0.00E+00	0.00E+00	4.60E-08	2.43E-09	5.19E-09	0.00E+00	0.00E+00	7.62E-09
7686	500065.5	3733923	1.597E-08	2.94E-08	0.00E+00	0.00E+00	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.94E-08	0.00E+00	0.00E+00	4.54E-08	2.40E-09	5.13E-09	0.00E+00	0.00E+00	7.53E-09
7687	500075.3	3733923	1.577E-08	2.91E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.91E-08	0.00E+00	0.00E+00	4.48E-08	2.37E-09	5.06E-09	0.00E+00	0.00E+00	7.44E-09
7688	500085.1	3733923	1.555E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	2.34E-09	4.99E-09	0.00E+00	0.00E+00	7.33E-09
7689	500094.9	3733923	1.532E-08	2.82E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.36E-08	2.31E-09	4.92E-09	0.00E+00	0.00E+00	7.23E-09
7690	500104.8	3733923	1.508E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	2.27E-09	4.84E-09	0.00E+00	0.00E+00	7.12E-09
7691	500114.6	3733923	1.484E-08	2.73E-08	0.00E+00	0.00E+00	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.22E-08	2.23E-09	4.77E-09	0.00E+00	0.00E+00	7.00E-09
7692	500124.4	3733923	1.458E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.68E-09	0.00E+00	0.00E+00	6.88E-09
7693	500134.2	3733923	1.432E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.75E-09
7694	500144.1	3733923	1.405E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	2.12E-09	4.51E-09	0.00E+00	0.00E+00	6.63E-09
7695	500153.9	3733923	1.378E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	2.07E-09	4.42E-09	0.00E+00	0.00E+00	6.50E-09
7696	500163.7	3733923	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.37E-09
7697	500173.5	3733923	1.321E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	1.99E-09	4.24E-09	0.00E+00	0.00E+00	6.23E-09
7698	500183.3	3733923	1.293E-08	2.38E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.68E-08	1.95E-09	4.15E-09	0.00E+00	0.00E+00	6.10E-09
7699	499850.3	3733949	1.538E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	2.32E-09	4.94E-09	0.00E+00	0.00E+00	7.25E-09
7700	499841.5	3733945	1.538E-08	2.84E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.37E-08	2.32E-09	4.94E-09	0.00E+00	0.00E+00	7.26E-09
7701	499832.7	3733942	1.537E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	2.31E-09	4.94E-09	0.00E+00	0.00E+00	7.25E-09
7702	499823.8	3733938	1.534E-08	2.83E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.83E-08	0.00E+00	0.00E+00	4.36E-08	2.31E-09	4.93E-09	0.00E+00	0.00E+00	7.24E-09
7703	499815	3733934	1.529E-08	2.82E-08	0.00E+00	0.00E+00	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.35E-08	2.30E-09	4.91E-09	0.00E+00	0.00E+00	7.21E-09
7704	499806.2	3733931	1.523E-08	2.81E-08	0.00E+00	0.00E+00	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.81E-08	0.00E+00	0.00E+00	4.33E-08	2.29E-09	4.89E-09	0.00E+00	0.00E+00	7.19E-09
7705	499797.4	3733927	1.516E-08	2.79E-08	0.00E+00	0.00E+00	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.79E-08	0.00E+00	0.00E+00	4.31E-08	2.28E-09	4.87E-09	0.00E+00	0.00E+00	7.15E-09
7706	499788.6	3733923	1.507E-08	2.78E-08	0.00E+00	0.00E+00	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.28E-08	2.27E-09	4.84E-09	0.00E+00	0.00E+00	7.11E-09
7707	499779.8	3733920	1.496E-08	2.76E-08	0.00E+00	0.00E+00	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.76E-08	0.00E+00	0.00E+00	4.25E-08	2.25E-09	4.81E-09	0.00E+00	0.00E+00	7.06E-09
7708	499771	3733916	1.484E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	2.23E-09	4.77E-09	0.00E+00	0.00E+00	7.00E-09
7709	499762.2	3733912	1.471E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.94E-09
7710	499753.4	3733908	1.457E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	2.19E-09	4.68E-09	0.00E+00	0.00E+00	6.87E-09
7711	499744.6	3733905	1.441E-08	2.66E-08	0.00E+00	0.00E+00	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.66E-08	0.00E+00	0.00E+00	4.10E-08	2.17E-09	4.63E-09	0.00E+00	0.00E+00	6.80E-09
7712	499735.8	3733901	1.423E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.71E-09
7713	499726.9	3733897	1.405E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	2.12E-09	4.51E-09	0.00E+00	0.00E+00	6.63E-09
7714	499718.1	3733894	1.386E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	2.09E-09	4.45E-09	0.00E+00	0.00E+00	6.54E-09
7715	499709.3	3733890	1.365E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	2.06E-09	4.38E-09	0.00E+00	0.00E+00	6.44E-09
7716	499700.5	3733886	1.344E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
7717	499691.7	3733883	1.322E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.44E-08	0.00E+00	0.00E+00	3.76E-08	1.99E-09	4.25E-09	0.00E+00	0.00E+00	6.24E-09
7718	499682.9	3733879	1.299E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	1.96E-09	4.17E-09	0.00E+00	0.00E+00	6.13E-09
7719	499674.1	3733875	1.275E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.10E-09	0.00E+00	0.00E+00	6.02E-09
7720	499665.3	3733872	1.251E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.88E-09	4.02E-09	0.00E+00	0.00E+00	5.90E-09
7721	499656.5	3733868	1.227E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	1.85E-09	3.94E-09	0.00E+00	0.00E+00	5.79E-09
7722	499647.7	3733864	1.202E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.67E-09
7723	499638.8	3733861	1.177E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.78E-09	0.00E+00	0.00E+00	5.55E-09
7724	499630	3733857	1.151E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.70E-09	0.00E+00	0.00E+00	5.43E-09
7725	499621.2	3733853	1.126E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.62E-09	0.00E+00	0.00E+00	5.31E-09
7726	499612.4	3733849	1.1E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.13E-08	1.66E-09	3.53E-09	0.00E+00	0.00E+00	5.19E-09
7727	499603.6	3733846	1.074E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
7728	499594.8	3733842	1.049E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
7729	499586	3733838	1.024E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
7730	499577.2	3733835	9.983E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.50E-09	3.21E-09	0.00E+00	0.00E+00	4.71E-09
7731	499564.8	3733822	9.667E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.10E-09	0.00E+00	0.00E+00	4.56E-09
7732	499561.2	3733813	9.597E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.44E-09	3.08E-09	0.00E+00	0.00E+00	4.53E-09
7733	499557.6	3733804	9.522E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.43E-09	3.06E-09	0.00E+00	0.00E+00	4.49E-09
7734	499554	3733796	9.442E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.45E-09
7735	499550.4	3733787	9.357E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.41E-09
7736	499546.8	3733778	9.269E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.37E-09
7737	499543.2	3733769	9.176E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
7738	499539.7	3733760	9.08E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.28E-09
7739	499536.1	3733751	8.979E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.24E-09
7740	499532.5	3733743	8.876E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
7741	499528.9	3733734	8.769E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.14E-09
7742	499859.1	3733953	1.536E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	2.31E-09	4.93E-09	0.00E+00	0.00E+00	7.25E-09
7743	499868.9	3733953	1.548E-08	2.85E-08	0.00E+00	0.00E+00	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.85E-08	0.00E+00	0.00E+00	4.40E-08	2.33E-09	4.97E-09	0.00E+00	0.00E+00	7.30E-09
7744	499878.7	3733953	1.558E-08	2.87E-08	0.00E+00	0.00E+00	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.87E-08	0.00E+00	0.00E+00	4.43E-08	2.35E-09	5.00E-09	0.00E+00	0.00E+00	7.35E-09
7745	499888.6	3733953	1.567E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.03E-09	0.00E+00	0.00E+00	7.39E-09
7746	499898.4	3733953	1.575E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.48E-08	2.37E-09	5.06E-09	0.00E+00	0.00E+00	7.43E-09
7747	499908.2	3733953	1.581E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	2.38E-09	5.08E-09	0.00E+00	0.00E+00	7.46E-09
7748	499918	3733953	1.585E-08	2.92E-08	0.00E+00	0.00E+00	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.92E-08	0.00E+00	0.00E+00	4.51E-08	2.39E-09	5.09E-09	0.00E+00	0.00E+00	7.48E-09
7749	499927.9	3733953	1.588E-08	2.93E-08	0.00E+00	0.00E+00	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.51E-08	2.39E-09	5.10E-09	0.00E+00	0.00E+00	7.49E-09
7750	499937.7	3733953	1.589E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	2.39E-09	5.10E-09	0.00E+00	0.00E+00	7.50E-09
7751	499947.5	3733953	1.589E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.52E-08	2.39E-09	5.10E-09	0.00E+00	0.00E+00	7.50E-09
7752	499957.3	3733953	1.587E-08	2.93E-08	0.00E+00	0.00E+00	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.93E-08	0.00E+00	0.00E+00	4.51E-08	2.39E-09	5.10E-09	0.00E+00	0.00E+00	7.49E-09
7753	499967.2	3733953	1.584E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	2.38E-09	5.09E-09	0.00E+00	0.00E+00	7.47E-09
7754	499977	3733953	1.579E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	2.38E-09	5.07E-09	0.00E+00	0.00E+00	7.45E-09
7755	499986.8	3733953	1.573E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	2.37E-09	5.05E-09	0.00E+00	0.00E+00	7.42E-09
7756	499996.6	3733953	1.565E-08	2.88E-08	0.00E+00	0.00E+00	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.45E-08	2.36E-09	5.03E-09	0.00E+00	0.00E+00	7.38E-09
7757	500006.5	3733953	1.556E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	2.34E-09	5.00E-09	0.00E+00	0.00E+00	7.34E-09
7758	500016.3	3733953	1.545E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	2.33E-09	4.96E-09	0.00E+00	0.00E+00	7.29E-09
7759	500026.1	3733953	1.533E-08	2.83E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.83E-08	0.00E+00	0.00E+00	4.36E-08	2.31E-09	4.92E-09	0.00E+00	0.00E+00	7.23E-09
7760	500035.9	3733953	1.519E-08	2.80E-08	0.00E+00	0.00E+00	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.32E-08	2.29E-09	4.88E-09	0.00E+00	0.00E+00	7.17E-09
7761	500045.7	3733953	1.505E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.77E-08	0.00E+00	0.00E+00	4.28E-08	2.27E-09	4.83E-09	0.00E+00	0.00E+00	7.10E-09
7762	500055.6	3733953	1.489E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.23E-08	2.24E-09	4.78E-09	0.00E+00	0.00E+00	7.02E-09
7763	500065.4	3733953	1.472E-08	2.71E-08	0.00E+00	0.00E+00	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.19E-08	2.22E-09	4.73E-09	0.00E+00	0.00E+00	6.94E-09
7764	500075.2	3733953	1.454E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	2.19E-09	4.67E-09	0.00E+00	0.00E+00	6.86E-09
7765	500085	3733953	1.435E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
7766	500094.9	3733953	1.415E-08	2.61E-08	0.00E+00	0.00E+00	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.61E-08	0.00E+00	0.00E+00	4.02E-08	2.13E-09	4.54E-09	0.00E+00	0.00E+00	6.67E-09
7767	500104.7	3733953	1.394E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	2.10E-09	4.48E-09	0.00E+00	0.00E+00	6.58E-09
7768	500114.5	3733953	1.373E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	2.07E-09	4.41E-09	0.00E+00	0.00E+00	6.48E-09
7769	500124.3	3733953	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	2.03E-09	4.34E-09	0.00E+00	0.00E+00	6.37E-09
7770	500134.2	3733953	1.328E-08	2.45E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.77E-08	2.00E-09	4.26E-09	0.00E+00	0.00E+00	6.26E-09
7771	500144	3733953	1.304E-08	2.40E-08	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.71E-08	1.96E-09	4.19E-09	0.00E+00	0.00E+00	6.15E-09
7772	500153.8	3733953	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	1.93E-09	4.11E-09	0.00E+00	0.00E+00	6.04E-09
7773	500163.6	3733953	1.256E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.03E-09	0.00E+00	0.00E+00	5.92E-09
7774	500173.5	3733953	1.231E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	1.85E-09	3.95E-09	0.00E+00	0.00E+00	5.81E-09
7775	500183.3	3733953	1.207E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	1.82E-09	3.88E-09	0.00E+00	0.00E+00	5.69E-09
7776	499850.1	3733979	1.435E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
7777	499841.2	3733975	1.436E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
7778	499832.3	3733972	1.436E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
7779	499823.4	3733968	1.435E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
7780	499814.5	3733964	1.432E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.75E-09
7781	499805.5	3733960	1.428E-08	2.63E-08	0.00E+00	0.00E+00	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.63E-08	0.00E+00	0.00E+00	4.06E-08	2.15E-09	4.58E-09	0.00E+00	0.00E+00	6.73E-09
7782	499796.6	3733957	1.422E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.71E-09
7783	499787.7	3733953	1.415E-08	2.61E-08	0.00E+00	0.00E+00	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.61E-08	0.00E+00	0.00E+00	4.02E-08	2.13E-09	4.54E-09	0.00E+00	0.00E+00	6.68E-09
7784	499778.8	3733949	1.407E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	2.12E-09	4.52E-09	0.00E+00	0.00E+00	6.64E-09
7785	499769.9	3733945	1.398E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.97E-08	2.10E-09	4.49E-09	0.00E+00	0.00E+00	6.59E-09
7786	499761	3733942	1.387E-08	2.56E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.56E-08	0.00E+00	0.00E+00	3.94E-08	2.09E-09	4.45E-09	0.00E+00	0.00E+00	6.54E-09
7787	499752.1	3733938	1.375E-08	2.53E-08	0.00E+00	0.00E+00	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.91E-08	2.07E-09	4.42E-09	0.00E+00	0.00E+00	6.49E-09
7788	499743.1	3733934	1.362E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.37E-09	0.00E+00	0.00E+00	6.42E-09
7789	499734.2	3733931	1.347E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.36E-09
7790	499725.3	3733927	1.332E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	2.01E-09	4.28E-09	0.00E+00	0.00E+00	6.28E-09
7791	499716.4	3733923	1.315E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	1.98E-09	4.22E-09	0.00E+00	0.00E+00	6.21E-09
7792	499707.5	3733919	1.298E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	1.95E-09	4.17E-09	0.00E+00	0.00E+00	6.12E-09
7793	499698.6	3733916	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	1.93E-09	4.11E-09	0.00E+00	0.00E+00	6.04E-09
7794	499689.7	3733912	1.261E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.95E-09
7795	499680.7	3733908	1.241E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.98E-09	0.00E+00	0.00E+00	5.85E-09
7796	499671.8	3733904	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	1.84E-09	3.92E-09	0.00E+00	0.00E+00	5.75E-09

7797	499662.9	3733901	1.199E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.41E-08	1.80E-09	3.85E-09	0.00E+00	0.00E+00	5.65E-09
7798	499654	3733897	1.177E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.78E-09	0.00E+00	0.00E+00	5.55E-09
7799	499645.1	3733893	1.155E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
7800	499636.2	3733889	1.132E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	1.70E-09	3.64E-09	0.00E+00	0.00E+00	5.34E-09
7801	499627.3	3733886	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
7802	499618.4	3733882	1.087E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.13E-09
7803	499609.4	3733878	1.064E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	1.60E-09	3.42E-09	0.00E+00	0.00E+00	5.02E-09
7804	499600.5	3733875	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.91E-09
7805	499591.6	3733871	1.017E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.27E-09	0.00E+00	0.00E+00	4.80E-09
7806	499582.7	3733867	9.936E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
7807	499573.8	3733863	9.704E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
7808	499564.9	3733860	9.474E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	1.43E-09	3.04E-09	0.00E+00	0.00E+00	4.47E-09
7809	499556	3733856	9.245E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
7810	499543.4	3733843	8.956E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.22E-09
7811	499539.8	3733834	8.891E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.19E-09
7812	499536.1	3733825	8.821E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
7813	499532.5	3733816	8.747E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
7814	499528.9	3733807	8.669E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	1.31E-09	2.78E-09	0.00E+00	0.00E+00	4.09E-09
7815	499525.2	3733798	8.587E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.05E-09
7816	499521.6	3733789	8.502E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
7817	499518	3733780	8.413E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.27E-09	2.70E-09	0.00E+00	0.00E+00	3.97E-09
7818	499514.4	3733772	8.322E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.93E-09
7819	499510.7	3733763	8.227E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
7820	499859	3733983	1.432E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.76E-09
7821	499868.9	3733983	1.441E-08	2.66E-08	0.00E+00	0.00E+00	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.66E-08	0.00E+00	0.00E+00	4.10E-08	2.17E-09	4.63E-09	0.00E+00	0.00E+00	6.80E-09
7822	499878.7	3733983	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	2.18E-09	4.66E-09	0.00E+00	0.00E+00	6.84E-09
7823	499888.5	3733983	1.456E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	2.19E-09	4.68E-09	0.00E+00	0.00E+00	6.87E-09
7824	499898.3	3733983	1.462E-08	2.69E-08	0.00E+00	0.00E+00	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.16E-08	2.20E-09	4.69E-09	0.00E+00	0.00E+00	6.90E-09
7825	499908.1	3733983	1.466E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	2.21E-09	4.71E-09	0.00E+00	0.00E+00	6.92E-09
7826	499918	3733983	1.469E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.93E-09
7827	499927.8	3733983	1.471E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.94E-09
7828	499937.6	3733983	1.471E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.22E-09	4.72E-09	0.00E+00	0.00E+00	6.94E-09
7829	499947.4	3733983	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.94E-09
7830	499957.3	3733983	1.468E-08	2.71E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.17E-08	2.21E-09	4.71E-09	0.00E+00	0.00E+00	6.92E-09
7831	499967.1	3733983	1.464E-08	2.70E-08	0.00E+00	0.00E+00	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.70E-08	0.00E+00	0.00E+00	4.16E-08	2.20E-09	4.70E-09	0.00E+00	0.00E+00	6.91E-09
7832	499976.9	3733983	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.69E-09	0.00E+00	0.00E+00	6.88E-09
7833	499986.7	3733983	1.453E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.68E-08	0.00E+00	0.00E+00	4.13E-08	2.19E-09	4.67E-09	0.00E+00	0.00E+00	6.86E-09
7834	499996.6	3733983	1.446E-08	2.67E-08	0.00E+00	0.00E+00	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.11E-08	2.18E-09	4.64E-09	0.00E+00	0.00E+00	6.82E-09
7835	500006.4	3733983	1.437E-08	2.65E-08	0.00E+00	0.00E+00	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.09E-08	2.16E-09	4.62E-09	0.00E+00	0.00E+00	6.78E-09
7836	500016.2	3733983	1.428E-08	2.63E-08	0.00E+00	0.00E+00	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.63E-08	0.00E+00	0.00E+00	4.06E-08	2.15E-09	4.58E-09	0.00E+00	0.00E+00	6.73E-09
7837	500026	3733983	1.417E-08	2.61E-08	0.00E+00	0.00E+00	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.61E-08	0.00E+00	0.00E+00	4.03E-08	2.13E-09	4.55E-09	0.00E+00	0.00E+00	6.68E-09
7838	500035.9	3733983	1.405E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	2.11E-09	4.51E-09	0.00E+00	0.00E+00	6.63E-09
7839	500045.7	3733983	1.391E-08	2.56E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.56E-08	0.00E+00	0.00E+00	3.96E-08	2.09E-09	4.47E-09	0.00E+00	0.00E+00	6.56E-09
7840	500055.5	3733983	1.377E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	2.54E-08	0.00E+00	0.00E+00	3.92E-08	2.07E-09	4.42E-09	0.00E+00	0.00E+00	6.50E-09
7841	500065.3	3733983	1.362E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.38E-09	0.00E+00	0.00E+00	6.43E-09
7842	500075.2	3733983	1.346E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.32E-09	0.00E+00	0.00E+00	6.35E-09
7843	500085	3733983	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.78E-08	2.00E-09	4.27E-09	0.00E+00	0.00E+00	6.27E-09
7844	500094.8	3733983	1.312E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	1.98E-09	4.21E-09	0.00E+00	0.00E+00	6.19E-09
7845	500104.6	3733983	1.294E-08	2.38E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.68E-08	1.95E-09	4.15E-09	0.00E+00	0.00E+00	6.10E-09
7846	500114.5	3733983	1.275E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.09E-09	0.00E+00	0.00E+00	6.01E-09
7847	500124.3	3733983	1.255E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.03E-09	0.00E+00	0.00E+00	5.92E-09
7848	500134.1	3733983	1.235E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
7849	500143.9	3733983	1.215E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.73E-09
7850	500153.8	3733983	1.194E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	1.80E-09	3.83E-09	0.00E+00	0.00E+00	5.63E-09
7851	500163.6	3733983	1.173E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.77E-09	3.77E-09	0.00E+00	0.00E+00	5.53E-09
7852	500173.4	3733983	1.151E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.70E-09	0.00E+00	0.00E+00	5.43E-09
7853	500183.2	3733983	1.129E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.63E-09	0.00E+00	0.00E+00	5.33E-09
7854	499850	3734009	1.342E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.31E-09	0.00E+00	0.00E+00	6.33E-09
7855	499841	3734005	1.344E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
7856	499831.9	3734001	1.345E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
7857	499822.9	3733998	1.345E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
7858	499813.9	3733994	1.343E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.31E-09	0.00E+00	0.00E+00	6.34E-09
7859	499804.9	3733990	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.30E-09	0.00E+00	0.00E+00	6.32E-09
7860	499795.9	3733986	1.337E-08	2.46E-08	0.00E+00	0.00E+00	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.46E-08	0.00E+00	0.00E+00	3.80E-08	2.01E-09	4.29E-09	0.00E+00	0.00E+00	6.30E-09
7861	499786.9	3733983	1.332E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.79E-08	2.00E-09	4.28E-09	0.00E+00	0.00E+00	6.28E-09
7862	499777.9	3733979	1.325E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	2.00E-09	4.26E-09	0.00E+00	0.00E+00	6.25E-09
7863	499768.9	3733975	1.318E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	1.98E-09	4.23E-09	0.00E+00	0.00E+00	6.22E-09
7864	499759.9	3733971	1.309E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.18E-09
7865	499750.9	3733967	1.299E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	1.96E-09	4.17E-09	0.00E+00	0.00E+00	6.13E-09
7866	499741.9	3733964	1.289E-08	2.37E-08	0.00E+00	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.37E-08	0.00E+00	0.00E+00	3.66E-08	1.94E-09	4.14E-09	0.00E+00	0.00E+00	6.08E-09
7867	499732.9	3733960	1.277E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.10E-09	0.00E+00	0.00E+00	6.02E-09
7868	499723.9	3733956	1.264E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.06E-09	0.00E+00	0.00E+00	5.96E-09
7869	499714.9	3733952	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	1.88E-09	4.01E-09	0.00E+00	0.00E+00	5.90E-09
7870	499705.8	3733949	1.235E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
7871	499696.8	3733945	1.219E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	1.84E-09	3.92E-09	0.00E+00	0.00E+00	5.75E-09
7872	499687.8	3733941	1.203E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.67E-09
7873	499678.8	3733937	1.185E-08	2.19E-08	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.37E-08	1.78E-09	3.81E-09	0.00E+00	0.00E+00	5.59E-09
7874	499669.8	3733934	1.168E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.51E-09
7875	499660.8	3733930	1.149E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.69E-09	0.00E+00	0.00E+00	5.42E-09
7876	499651.8	3733926	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.63E-09	0.00E+00	0.00E+00	5.33E-09
7877	499642.8	3733922	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.24E-09
7878	499633.8	3733918	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
7879	499624.8	3733915	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.05E-09
7880	499615.8	3733911	1.049E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
7881	499606.8	3733907	1.028E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	1.55E-09	3.30E-09	0.00E+00	0.00E+00	4.85E-09
7882	499597.8	3733903	1.007E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	1.52E-09	3.23E-09	0.00E+00	0.00E+00	4.75E-09
7883	499588.8	3733900	9.858E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
7884	499579.8	3733896	9.645E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
7885	499570.7	3733892	9.433E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.45E-09
7886	499561.7	3733888	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
7887	499552.7	3733885	9.009E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
7888	499543.7	3733881	8.799E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.83E-09	0.00E+00	0.00E+00	4.15E-09
7889	499534.7	3733877	8.59E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.05E-09
7890	499522	3733864	8.326E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.93E-09
7891	499518.4	3733855	8.265E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.90E-09
7892	499514.7	3733846	8.199E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.87E-09
7893	499511	3733837	8.131E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
7894	499507.4	3733828	8.059E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.80E-09
7895	499503.7	3733819	7.983E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.77E-09
7896	499500	3733810	7.905E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
7897	499496.3	3733801	7.823E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
7898	499481.7	3733765	7.472E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
7899	499478	3733756	7.379E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
7900	499474.3	3733747	7.283E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
7901	499470.7	3733738	7.185E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
7902	499459.6	3733710	6.887E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
7903	499456	3733701	6.786E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
7904	499859	3734013	1.338E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.01E-09	4.30E-09	0.00E+00	0.00E+00	6.31E-09
7905	499868.8	3734013	1.346E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.48E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.32E-09	0.00E+00	0.00E+00	6.35E-09
7906	499878.6	3734013	1.352E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	2.04E-09	4.34E-09	0.00E+00	0.00E+00	6.38E-09
7907	499888.4	3734013	1.357E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	2.04E-09	4.36E-09	0.00E+00	0.00E+00	6.40E-09
7908	499898.3	3734013	1.361E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.37E-09	0.00E+00	0.00E+00	6.42E-09
7909	499908.1	3734013	1.364E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.88E-08	2.05E-09	4.38E-09	0.00E+00	0.00E+00	6.44E-09
7910	499917.9	3734013	1.366E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	2.06E-09	4.39E-09	0.00E+00	0.00E+00	6.45E-09
7911	499927.7	3734013	1.367E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	2.06E-09	4.39E-09	0.00E+00	0.00E+00	6.45E-09
7912	499937.6	3734013	1.367E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	2.06E-09	4.39E-09	0.00E+00	0.00E+00	6.45E-09
7913	499947.4	3734013	1.365E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.88E-08	2.06E-09	4.38E-09	0.00E+00	0.00E+00	6.44E-09
7914	499957.2	3734013	1.363E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.51E-08	0.00E+00	0.00E+00	3.87E-08	2.05E-09	4.38E-09	0.00E+00	0.00E+00	6.43E-09
7915	499967	3734013	1.359E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	2.05E-09	4.36E-09	0.00E+00	0.00E+00	6.41E-09
7916	499976.9	3734013	1.354E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	2.04E-09	4.35E-09	0.00E+00	0.00E+00	6.39E-09
7917	499986.7	3734013	1.348E-08	2.49E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.83E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.36E-09
7918	499996.5	3734013	1.341E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.31E-09	0.00E+00	0.00E+00	6.33E-09
7919	500006.3	3734013	1.333E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	2.01E-09	4.28E-09	0.00E+00	0.00E+00	6.29E-09
7920	500016.2	3734013	1.324E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.44E-08	0.00E+00	0.00E+00	3.77E-08	1.99E-09	4.25E-09	0.00E+00	0.00E+00	6.25E-09
7921	500026	3734013	1.314E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.74E-08	1.98E-09	4.22E-09	0.00E+00	0.00E+00	6.20E-09
7922	500035.8	3734013	1.303E-08	2.40E-08	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.40E-08	0.00E+00	0.00E+00	3.71E-08	1.96E-09	4.19E-09	0.00E+00	0.00E+00	6.15E-09
7923	500045.6	3734013	1.292E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	1.94E-09	4.15E-09	0.00E+00	0.00E+00	6.09E-09
7924	500055.5	3734013	1.279E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	1.93E-09	4.11E-09	0.00E+00	0.00E+00	6.03E-09
7925	500065.3	3734013	1.265E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	1.91E-09	4.06E-09	0.00E+00	0.00E+00	5.97E-09
7926	500075.1	3734013	1.251E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.88E-09	4.02E-09	0.00E+00	0.00E+00	5.90E-09

7927	500084.9	3734013	1.236E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
7928	500094.8	3734013	1.221E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.25E-08	0.00E+00	0.00E+00	3.47E-08	1.84E-09	3.92E-09	0.00E+00	0.00E+00	5.76E-09
7929	500104.6	3734013	1.204E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.87E-09	0.00E+00	0.00E+00	5.68E-09
7930	500114.4	3734013	1.188E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	1.79E-09	3.81E-09	0.00E+00	0.00E+00	5.60E-09
7931	500124.2	3734013	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.52E-09
7932	500134	3734013	1.153E-08	2.12E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.70E-09	0.00E+00	0.00E+00	5.44E-09
7933	500143.9	3734013	1.135E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	1.71E-09	3.64E-09	0.00E+00	0.00E+00	5.35E-09
7934	500153.7	3734013	1.116E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.59E-09	0.00E+00	0.00E+00	5.27E-09
7935	500163.5	3734013	1.098E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.53E-09	0.00E+00	0.00E+00	5.18E-09
7936	500173.3	3734013	1.079E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
7937	500183.2	3734013	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.60E-09	3.40E-09	0.00E+00	0.00E+00	5.00E-09
7938	499850	3734039	1.257E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.89E-09	4.04E-09	0.00E+00	0.00E+00	5.93E-09
7939	499841.2	3734035	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.94E-09
7940	499832.3	3734032	1.262E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.95E-09
7941	499823.5	3734028	1.263E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.06E-09	0.00E+00	0.00E+00	5.96E-09
7942	499814.6	3734024	1.262E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.96E-09
7943	499805.7	3734020	1.261E-08	2.32E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.59E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.95E-09
7944	499796.9	3734017	1.259E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.04E-09	0.00E+00	0.00E+00	5.94E-09
7945	499788	3734013	1.256E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.03E-09	0.00E+00	0.00E+00	5.92E-09
7946	499779.1	3734009	1.251E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.88E-09	4.02E-09	0.00E+00	0.00E+00	5.90E-09
7947	499770.3	3734006	1.246E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.54E-08	1.88E-09	4.00E-09	0.00E+00	0.00E+00	5.88E-09
7948	499761.4	3734002	1.239E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	1.87E-09	3.98E-09	0.00E+00	0.00E+00	5.85E-09
7949	499752.5	3733998	1.232E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	1.85E-09	3.96E-09	0.00E+00	0.00E+00	5.81E-09
7950	499743.7	3733995	1.224E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.77E-09
7951	499734.8	3733991	1.214E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.73E-09
7952	499726	3733987	1.204E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.87E-09	0.00E+00	0.00E+00	5.68E-09
7953	499717.1	3733983	1.193E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	1.80E-09	3.83E-09	0.00E+00	0.00E+00	5.63E-09
7954	499708.2	3733980	1.181E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	1.78E-09	3.79E-09	0.00E+00	0.00E+00	5.57E-09
7955	499699.4	3733976	1.168E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.51E-09
7956	499690.5	3733972	1.155E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
7957	499681.6	3733969	1.141E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.38E-09
7958	499672.8	3733965	1.126E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	1.70E-09	3.62E-09	0.00E+00	0.00E+00	5.31E-09
7959	499663.9	3733961	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
7960	499655.1	3733957	1.094E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.51E-09	0.00E+00	0.00E+00	5.16E-09
7961	499646.2	3733954	1.078E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
7962	499637.3	3733950	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.60E-09	3.41E-09	0.00E+00	0.00E+00	5.00E-09
7963	499628.5	3733946	1.043E-08	1.92E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.97E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.92E-09
7964	499619.6	3733943	1.025E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
7965	499610.7	3733939	1.007E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	1.52E-09	3.23E-09	0.00E+00	0.00E+00	4.75E-09
7966	499601.9	3733935	9.884E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
7967	499593	3733931	9.698E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
7968	499584.1	3733928	9.51E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.49E-09
7969	499575.3	3733924	9.321E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.40E-09
7970	499566.4	3733920	9.132E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	1.37E-09	2.93E-09	0.00E+00	0.00E+00	4.31E-09
7971	499557.6	3733917	8.942E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.35E-09	2.87E-09	0.00E+00	0.00E+00	4.22E-09
7972	499548.7	3733913	8.752E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
7973	499539.8	3733909	8.563E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
7974	499531	3733905	8.375E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
7975	499522.1	3733902	8.188E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
7976	499513.2	3733898	8.002E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
7977	499500.8	3733885	7.766E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
7978	499497.2	3733877	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
7979	499493.5	3733868	7.651E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
7980	499489.9	3733859	7.589E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
7981	499486.3	3733850	7.524E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
7982	499482.7	3733841	7.456E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.52E-09
7983	499479.1	3733832	7.386E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
7984	499468.3	3733805	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
7985	499464.7	3733796	7.081E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	1.07E-09	2.27E-09	0.00E+00	0.00E+00	3.34E-09
7986	499461	3733787	6.999E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
7987	499457.4	3733779	6.916E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
7988	499453.8	3733770	6.831E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
7989	499450.2	3733761	6.745E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
7990	499446.6	3733752	6.658E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
7991	499421.3	3733690	6.029E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.08E-10	1.94E-09	0.00E+00	0.00E+00	2.84E-09
7992	499417.7	3733681	5.938E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	8.94E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
7993	499414.1	3733672	5.846E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
7994	499410.5	3733663	5.755E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.67E-10	1.85E-09	0.00E+00	0.00E+00	2.71E-09
7995	499858.9	3734043	1.254E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.89E-09	4.03E-09	0.00E+00	0.00E+00	5.91E-09
7996	499868.7	3734043	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.94E-09
7997	499878.6	3734043	1.264E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	1.90E-09	4.06E-09	0.00E+00	0.00E+00	5.96E-09
7998	499888.4	3734043	1.268E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.07E-09	0.00E+00	0.00E+00	5.98E-09
7999	499898.2	3734043	1.271E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.08E-09	0.00E+00	0.00E+00	6.00E-09
8000	499908	3734043	1.273E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.09E-09	0.00E+00	0.00E+00	6.01E-09
8001	499917.9	3734043	1.275E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.09E-09	0.00E+00	0.00E+00	6.01E-09
8002	499927.7	3734043	1.275E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.09E-09	0.00E+00	0.00E+00	6.01E-09
8003	499937.5	3734043	1.274E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.09E-09	0.00E+00	0.00E+00	6.01E-09
8004	499947.3	3734043	1.272E-08	2.34E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.08E-09	0.00E+00	0.00E+00	6.00E-09
8005	499957.2	3734043	1.269E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.08E-09	0.00E+00	0.00E+00	5.99E-09
8006	499967	3734043	1.265E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	1.90E-09	4.06E-09	0.00E+00	0.00E+00	5.97E-09
8007	499976.8	3734043	1.261E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.05E-09	0.00E+00	0.00E+00	5.95E-09
8008	499986.6	3734043	1.255E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.03E-09	0.00E+00	0.00E+00	5.92E-09
8009	499996.4	3734043	1.248E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	1.88E-09	4.01E-09	0.00E+00	0.00E+00	5.89E-09
8010	500006.3	3734043	1.241E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.98E-09	0.00E+00	0.00E+00	5.85E-09
8011	500016.1	3734043	1.233E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.50E-08	1.86E-09	3.96E-09	0.00E+00	0.00E+00	5.81E-09
8012	500025.9	3734043	1.223E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	2.26E-08	0.00E+00	0.00E+00	3.48E-08	1.84E-09	3.93E-09	0.00E+00	0.00E+00	5.77E-09
8013	500035.7	3734043	1.214E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.72E-09
8014	500045.6	3734043	1.203E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.67E-09
8015	500055.4	3734043	1.191E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	1.79E-09	3.83E-09	0.00E+00	0.00E+00	5.62E-09
8016	500065.2	3734043	1.179E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.78E-09	3.79E-09	0.00E+00	0.00E+00	5.56E-09
8017	500075	3734043	1.166E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.50E-09
8018	500084.9	3734043	1.153E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.70E-09	0.00E+00	0.00E+00	5.44E-09
8019	500094.7	3734043	1.139E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.37E-09
8020	500104.5	3734043	1.125E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.61E-09	0.00E+00	0.00E+00	5.31E-09
8021	500114.3	3734043	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
8022	500124.2	3734043	1.095E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.52E-09	0.00E+00	0.00E+00	5.16E-09
8023	500134	3734043	1.079E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
8024	500143.8	3734043	1.063E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	1.60E-09	3.41E-09	0.00E+00	0.00E+00	5.02E-09
8025	500153.6	3734043	1.047E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.36E-09	0.00E+00	0.00E+00	4.94E-09
8026	500163.5	3734043	1.031E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.86E-09
8027	500173.3	3734043	1.014E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.78E-09
8028	500183.1	3734043	9.968E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.20E-09	0.00E+00	0.00E+00	4.70E-09
8029	499849.9	3734079	1.157E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.72E-09	0.00E+00	0.00E+00	5.46E-09
8030	499841	3734075	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.47E-09
8031	499832.1	3734072	1.163E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.49E-09
8032	499823.2	3734068	1.165E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.49E-09
8033	499814.3	3734064	1.165E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.50E-09
8034	499805.4	3734060	1.165E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.50E-09
8035	499796.5	3734057	1.165E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.49E-09
8036	499787.6	3734053	1.163E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.48E-09
8037	499778.7	3734049	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.47E-09
8038	499769.8	3734045	1.156E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
8039	499760.9	3734042	1.152E-08	2.12E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.28E-08	1.73E-09	3.70E-09	0.00E+00	0.00E+00	5.43E-09
8040	499752	3734038	1.147E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.73E-09	3.68E-09	0.00E+00	0.00E+00	5.41E-09
8041	499743.1	3734034	1.141E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.38E-09
8042	499734.2	3734031	1.134E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	1.71E-09	3.64E-09	0.00E+00	0.00E+00	5.35E-09
8043	499725.3	3734027	1.126E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.62E-09	0.00E+00	0.00E+00	5.31E-09
8044	499716.4	3734023	1.117E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	1.68E-09	3.59E-09	0.00E+00	0.00E+00	5.27E-09
8045	499707.5	3734019	1.108E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
8046	499698.5	3734016	1.098E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.52E-09	0.00E+00	0.00E+00	5.18E-09
8047	499689.6	3734012	1.087E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	1.64E-09	3.49E-09	0.00E+00	0.00E+00	5.13E-09
8048	499680.7	3734008	1.075E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
8049	499671.8	3734004	1.063E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.02E-08	1.60E-09	3.41E-09	0.00E+00	0.00E+00	5.01E-09
8050	499662.9	3734001	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
8051	499654	3733997	1.037E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.91E-08	0.00E+00	0.00E+00	2.95E-08	1.56E-09	3.33E-09	0.00E+00	0.00E+00	4.89E-09
8052	499645.1	3733993	1.023E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
8053	499636.2	3733990	1.009E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.24E-09	0.00E+00	0.00E+00	4.76E-09
8054	499627.3	3733986	9.942E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
8055	499618.4	3733982	9.79E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.62E-09
8056	499609.5	3733978	9.634E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.54E-09

8057	499600.6	3733975	9.475E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	1.43E-09	3.04E-09	0.00E+00	0.00E+00	4.47E-09
8058	499591.7	3733971	9.315E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
8059	499582.8	3733967	9.152E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
8060	499573.9	3733963	8.987E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.35E-09	2.89E-09	0.00E+00	0.00E+00	4.24E-09
8061	499565	3733960	8.821E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
8062	499556.1	3733956	8.654E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.08E-09
8063	499547.2	3733952	8.486E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.00E-09
8064	499538.3	3733949	8.317E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
8065	499529.4	3733945	8.149E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.84E-09
8066	499520.5	3733941	7.981E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
8067	499511.6	3733937	7.814E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
8068	499502.7	3733934	7.647E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
8069	499493.7	3733930	7.481E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
8070	499484.8	3733926	7.317E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
8071	499472.3	3733914	7.106E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
8072	499468.7	3733905	7.054E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
8073	499465.1	3733896	7.001E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
8074	499461.4	3733887	6.944E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
8075	499457.8	3733878	6.886E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8076	499454.2	3733869	6.825E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8077	499450.5	3733860	6.761E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
8078	499443.3	3733842	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.98E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
8079	499439.7	3733833	6.561E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.88E-10	2.11E-09	0.00E+00	0.00E+00	3.09E-09
8080	499436	3733824	6.491E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.77E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
8081	499432.4	3733815	6.419E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.66E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
8082	499428.8	3733806	6.345E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.55E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
8083	499425.1	3733797	6.271E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
8084	499421.5	3733788	6.195E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
8085	499417.9	3733779	6.118E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.21E-10	1.96E-09	0.00E+00	0.00E+00	2.89E-09
8086	499414.3	3733770	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.09E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
8087	499348.9	3733609	4.614E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.95E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
8088	499345.3	3733600	4.539E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.83E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
8089	499341.7	3733591	4.465E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
8090	499338.1	3733583	4.392E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	6.61E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
8091	499334.4	3733574	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
8092	499330.8	3733565	4.249E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
8093	499327.2	3733556	4.179E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
8094	499323.5	3733547	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
8095	499858.8	3734083	1.153E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.70E-09	0.00E+00	0.00E+00	5.44E-09
8096	499868.7	3734083	1.157E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.72E-09	0.00E+00	0.00E+00	5.46E-09
8097	499878.5	3734083	1.161E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.48E-09
8098	499888.3	3734083	1.163E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.49E-09
8099	499898.1	3734083	1.165E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.50E-09
8100	499908	3734083	1.166E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.50E-09
8101	499917.8	3734083	1.167E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.50E-09
8102	499927.6	3734083	1.166E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.74E-09	0.00E+00	0.00E+00	5.50E-09
8103	499937.4	3734083	1.165E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.49E-09
8104	499947.2	3734083	1.162E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.48E-09
8105	499957.1	3734083	1.159E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.72E-09	0.00E+00	0.00E+00	5.47E-09
8106	499966.9	3734083	1.156E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
8107	499976.7	3734083	1.151E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.27E-08	1.73E-09	3.70E-09	0.00E+00	0.00E+00	5.43E-09
8108	499986.5	3734083	1.146E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.73E-09	3.68E-09	0.00E+00	0.00E+00	5.41E-09
8109	499996.4	3734083	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.38E-09
8110	500006.2	3734083	1.133E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.09E-08	0.00E+00	0.00E+00	3.22E-08	1.71E-09	3.64E-09	0.00E+00	0.00E+00	5.34E-09
8111	500016	3734083	1.126E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.61E-09	0.00E+00	0.00E+00	5.31E-09
8112	500025.8	3734083	1.117E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	1.68E-09	3.59E-09	0.00E+00	0.00E+00	5.27E-09
8113	500035.7	3734083	1.109E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
8114	500045.5	3734083	1.099E-08	2.03E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.53E-09	0.00E+00	0.00E+00	5.18E-09
8115	500055.3	3734083	1.089E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
8116	500065.1	3734083	1.079E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.09E-09
8117	500075	3734083	1.068E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
8118	500084.8	3734083	1.056E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	1.59E-09	3.39E-09	0.00E+00	0.00E+00	4.98E-09
8119	500094.6	3734083	1.044E-08	1.92E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.97E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.93E-09
8120	500104.4	3734083	1.032E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.87E-09
8121	500114.3	3734083	1.019E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.90E-08	1.53E-09	3.27E-09	0.00E+00	0.00E+00	4.81E-09
8122	500124.1	3734083	1.006E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	1.51E-09	3.23E-09	0.00E+00	0.00E+00	4.75E-09
8123	500133.9	3734083	9.925E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.19E-09	0.00E+00	0.00E+00	4.68E-09
8124	500143.7	3734083	9.788E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.62E-09
8125	500153.6	3734083	9.648E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
8126	500163.4	3734083	9.507E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
8127	500173.2	3734083	9.363E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
8128	500183	3734083	9.217E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
8129	499849.8	3734119	1.069E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
8130	499840.9	3734115	1.072E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.06E-09
8131	499831.9	3734112	1.075E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
8132	499823	3734108	1.078E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
8133	499814	3734104	1.079E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.62E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
8134	499805.1	3734100	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
8135	499796.2	3734097	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
8136	499787.2	3734093	1.079E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.09E-09
8137	499778.3	3734089	1.078E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
8138	499769.3	3734085	1.076E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.07E-09
8139	499760.4	3734082	1.073E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.06E-09
8140	499751.5	3734078	1.069E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
8141	499742.5	3734074	1.065E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	1.60E-09	3.42E-09	0.00E+00	0.00E+00	5.02E-09
8142	499733.6	3734070	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.60E-09	3.40E-09	0.00E+00	0.00E+00	5.00E-09
8143	499724.6	3734067	1.054E-08	1.94E-08	0.00E+00	0.00E+00	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	3.00E-08	1.59E-09	3.38E-09	0.00E+00	0.00E+00	4.97E-09
8144	499715.7	3734063	1.047E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.36E-09	0.00E+00	0.00E+00	4.94E-09
8145	499706.8	3734059	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.90E-09
8146	499697.8	3734055	1.032E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.87E-09
8147	499688.9	3734052	1.023E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
8148	499679.9	3734048	1.014E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.78E-09
8149	499671	3734044	1.004E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.74E-09
8150	499662.1	3734040	9.937E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
8151	499653.1	3734037	9.827E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.16E-09	0.00E+00	0.00E+00	4.64E-09
8152	499644.2	3734033	9.713E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
8153	499635.2	3734029	9.593E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.44E-09	3.08E-09	0.00E+00	0.00E+00	4.53E-09
8154	499626.3	3734025	9.47E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-09	1.75E-08	0.00E+00	0.00E+00	2.69E-08	1.43E-09	3.04E-09	0.00E+00	0.00E+00	4.47E-09
8155	499617.4	3734022	9.342E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.00E-09	0.00E+00	0.00E+00	4.41E-09
8156	499608.4	3734018	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.34E-09
8157	499599.5	3734014	9.074E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.91E-09	0.00E+00	0.00E+00	4.28E-09
8158	499590.5	3734010	8.935E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.35E-09	2.87E-09	0.00E+00	0.00E+00	4.21E-09
8159	499581.6	3734007	8.794E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
8160	499572.7	3734003	8.651E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.08E-09
8161	499563.7	3733999	8.506E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
8162	499554.8	3733995	8.359E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
8163	499545.8	3733992	8.211E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.87E-09
8164	499536.9	3733988	8.062E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.80E-09
8165	499528	3733984	7.912E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
8166	499519	3733981	7.762E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
8167	499510.1	3733977	7.612E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.15E-09	2.44E-09	0.00E+00	0.00E+00	3.59E-09
8168	499501.1	3733973	7.462E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
8169	499492.2	3733969	7.312E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
8170	499483.3	3733966	7.163E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
8171	499474.3	3733962	7.015E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
8172	499465.4	3733958	6.867E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.21E-09	0.00E+00	0.00E+00	3.24E-09
8173	499456.4	3733954	6.721E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
8174	499443.9	3733942	6.532E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8175	499440.2	3733933	6.485E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	9.76E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
8176	499436.6	3733924	6.436E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.69E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
8177	499432.9	3733915	6.385E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
8178	499429.3	3733906	6.332E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.53E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
8179	499425.6	3733897	6.277E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.45E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
8180	499356.4	3733726	5.007E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
8181	499352.8	3733717	4.935E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
8182	499349.1	3733708	4.863E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
8183	499345.5	3733699	4.792E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
8184	499341.8	3733690	4.721E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
8185	499320	3733636	4.305E-09	7.94E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	7.94E-09	0.00E+00	0.00E+00	1.22E-08	6.48E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
8186	499316.3	3733627	4.238E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09

8187	499312.7	3733618	4.172E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
8188	499309.1	3733609	4.106E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
8189	499305.4	3733600	4.042E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.09E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
8190	499301.8	3733591	3.978E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
8191	499298.1	3733582	3.915E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
8192	499294.5	3733573	3.853E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
8193	499290.8	3733564	3.792E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
8194	499283.6	3733546	3.673E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
8195	499858.7	3734123	1.064E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	1.60E-09	3.42E-09	0.00E+00	0.00E+00	5.02E-09
8196	499868.6	3734123	1.067E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
8197	499878.4	3734123	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.05E-09
8198	499888.2	3734123	1.072E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.05E-09
8199	499898	3734123	1.073E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.06E-09
8200	499907.9	3734123	1.073E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.06E-09
8201	499917.7	3734123	1.073E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.06E-09
8202	499927.5	3734123	1.071E-08	1.97E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.05E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.05E-09
8203	499937.3	3734123	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.05E-09
8204	499947.2	3734123	1.067E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.03E-09
8205	499957	3734123	1.064E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.96E-08	0.00E+00	0.00E+00	3.03E-08	1.60E-09	3.42E-09	0.00E+00	0.00E+00	5.02E-09
8206	499966.8	3734123	1.061E-08	1.95E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.02E-08	1.60E-09	3.41E-09	0.00E+00	0.00E+00	5.00E-09
8207	499976.6	3734123	1.056E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	1.59E-09	3.39E-09	0.00E+00	0.00E+00	4.98E-09
8208	499986.5	3734123	1.051E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.94E-08	0.00E+00	0.00E+00	2.99E-08	1.58E-09	3.38E-09	0.00E+00	0.00E+00	4.96E-09
8209	499996.3	3734123	1.046E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	1.57E-09	3.36E-09	0.00E+00	0.00E+00	4.93E-09
8210	500006.1	3734123	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.90E-09
8211	500015.9	3734123	1.033E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	1.55E-09	3.32E-09	0.00E+00	0.00E+00	4.87E-09
8212	500025.8	3734123	1.025E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.92E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.84E-09
8213	500035.6	3734123	1.018E-08	1.88E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.27E-09	0.00E+00	0.00E+00	4.80E-09
8214	500045.4	3734123	1.009E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.24E-09	0.00E+00	0.00E+00	4.76E-09
8215	500055.2	3734123	1.001E-08	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.51E-09	3.21E-09	0.00E+00	0.00E+00	4.72E-09
8216	500065.1	3734123	9.914E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.68E-09
8217	500074.9	3734123	9.817E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.15E-09	0.00E+00	0.00E+00	4.63E-09
8218	500084.7	3734123	9.717E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
8219	500094.5	3734123	9.613E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.53E-09
8220	500104.4	3734123	9.506E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
8221	500114.2	3734123	9.395E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.02E-09	0.00E+00	0.00E+00	4.43E-09
8222	500124	3734123	9.282E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
8223	500133.8	3734123	9.166E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
8224	500143.7	3734123	9.047E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.91E-09	0.00E+00	0.00E+00	4.27E-09
8225	500153.5	3734123	8.925E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.34E-09	2.87E-09	0.00E+00	0.00E+00	4.21E-09
8226	500163.3	3734123	8.801E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.15E-09
8227	500173.1	3734123	8.676E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.09E-09
8228	500183	3734123	8.551E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.03E-09
8229	499769	3734125	1.003E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.73E-09
8230	499760	3734121	1.001E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.72E-09
8231	499751	3734118	9.988E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.50E-09	3.21E-09	0.00E+00	0.00E+00	4.71E-09
8232	499742	3734114	9.958E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-09	1.84E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.20E-09	0.00E+00	0.00E+00	4.70E-09
8233	499733.1	3734110	9.921E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.19E-09	0.00E+00	0.00E+00	4.68E-09
8234	499724.1	3734106	9.877E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
8235	499715.1	3734103	9.827E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.16E-09	0.00E+00	0.00E+00	4.64E-09
8236	499706.2	3734099	9.771E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
8237	499697.2	3734095	9.708E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09
8238	499688.2	3734091	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
8239	499679.2	3734088	9.566E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-09	1.76E-08	0.00E+00	0.00E+00	2.72E-08	1.44E-09	3.07E-09	0.00E+00	0.00E+00	4.51E-09
8240	499670.3	3734084	9.487E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
8241	499661.3	3734080	9.402E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.42E-09	3.02E-09	0.00E+00	0.00E+00	4.44E-09
8242	499652.3	3734076	9.312E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
8243	499643.3	3734073	9.217E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
8244	499634.4	3734069	9.118E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.93E-09	0.00E+00	0.00E+00	4.30E-09
8245	499625.4	3734065	9.014E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
8246	499616.4	3734061	8.907E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.20E-09
8247	499607.5	3734058	8.795E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
8248	499598.5	3734054	8.68E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.09E-09
8249	499589.5	3734050	8.561E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
8250	499580.5	3734046	8.44E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.98E-09
8251	499571.6	3734043	8.315E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
8252	499562.6	3734039	8.189E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
8253	499553.6	3734035	8.061E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.80E-09
8254	499544.7	3734031	7.931E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	1.19E-09	2.55E-09	0.00E+00	0.00E+00	3.74E-09
8255	499535.7	3734028	7.8E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.68E-09
8256	499526.7	3734024	7.668E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.62E-09
8257	499517.7	3734020	7.534E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
8258	499508.8	3734016	7.4E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.38E-09	0.00E+00	0.00E+00	3.49E-09
8259	499499.8	3734013	7.265E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.43E-09
8260	499490.8	3734009	7.131E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
8261	499481.9	3734005	6.996E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
8262	499472.9	3734001	6.862E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.24E-09
8263	499463.9	3733997	6.728E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
8264	499454.9	3733994	6.594E-09	1.22E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.22E-08	0.00E+00	0.00E+00	1.87E-08	9.93E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8265	499446	3733990	6.461E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09
8266	499437	3733986	6.329E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.53E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
8267	499428	3733982	6.198E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
8268	499415.4	3733970	6.028E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.08E-10	1.94E-09	0.00E+00	0.00E+00	2.84E-09
8269	499411.7	3733961	5.985E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.01E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
8270	499408.1	3733952	5.941E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.94E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
8271	499404.4	3733943	5.895E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
8272	499400.8	3733934	5.847E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
8273	499320.3	3733735	4.531E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
8274	499316.7	3733726	4.466E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
8275	499313	3733717	4.403E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
8276	499287.4	3733654	3.969E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
8277	499283.8	3733645	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
8278	499280.1	3733636	3.851E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.09E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
8279	499276.5	3733627	3.793E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
8280	499272.8	3733618	3.736E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
8281	499269.2	3733609	3.679E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
8282	499265.5	3733600	3.624E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
8283	499250.9	3733564	3.409E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
8284	499243.6	3733546	3.307E-09	6.10E-09	0.00E+00	0.00E+00	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.40E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
8285	499858.7	3734163	9.859E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
8286	499868.5	3734163	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
8287	499878.3	3734163	9.896E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
8288	499888.1	3734163	9.905E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
8289	499898	3734163	9.909E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
8290	499907.8	3734163	9.908E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
8291	499917.6	3734163	9.9E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
8292	499927.4	3734163	9.884E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
8293	499937.3	3734163	9.865E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
8294	499947.1	3734163	9.84E-09	1.81E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-09	1.81E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.16E-09	0.00E+00	0.00E+00	4.64E-09
8295	499956.9	3734163	9.81E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.15E-09	0.00E+00	0.00E+00	4.63E-09
8296	499966.7	3734163	9.774E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
8297	499976.6	3734163	9.733E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.59E-09
8298	499986.4	3734163	9.687E-09	1.79E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.79E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
8299	499996.2	3734163	9.636E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.55E-09
8300	500006	3734163	9.58E-09	1.77E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-09	1.77E-08	0.00E+00	0.00E+00	2.72E-08	1.44E-09	3.08E-09	0.00E+00	0.00E+00	4.52E-09
8301	500015.9	3734163	9.52E-09	1.75E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-09	1.75E-08	0.00E+00	0.00E+00	2.71E-08	1.43E-09	3.06E-09	0.00E+00	0.00E+00	4.49E-09
8302	500025.7	3734163	9.454E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	1.42E-09	3.04E-09	0.00E+00	0.00E+00	4.46E-09
8303	500035.5	3734163	9.385E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.43E-09
8304	500045.3	3734163	9.311E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
8305	500055.2	3734163	9.234E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
8306	500065	3734163	9.152E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
8307	500074.8	3734163	9.068E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.91E-09	0.00E+00	0.00E+00	4.28E-09
8308	500084.6	3734163	8.979E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-09	1.66E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.24E-09
8309	500094.5	3734163	8.888E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
8310	500104.3	3734163	8.794E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
8311	500114.1	3734163	8.697E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
8312	500123.9	3734163	8.598E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.06E-09
8313	500133.8	3734163	8.496E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
8314	500143.6	3734163	8.392E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
8315	500153.4	3734163	8.286E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
8316	500163.2	3734163	8.179E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09

8317	500173.1	3734163	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.22E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
8318	500182.9	3734163	7.961E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
8319	499849.6	3734199	9.205E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.34E-09
8320	499840.6	3734195	9.244E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
8321	499831.6	3734191	9.279E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-09	1.71E-08	0.00E+00	0.00E+00	2.64E-08	1.40E-09	2.98E-09	0.00E+00	0.00E+00	4.38E-09
8322	499822.6	3734188	9.308E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
8323	499813.6	3734184	9.332E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.41E-09	3.00E-09	0.00E+00	0.00E+00	4.40E-09
8324	499804.6	3734180	9.351E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.00E-09	0.00E+00	0.00E+00	4.41E-09
8325	499795.6	3734176	9.365E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
8326	499786.6	3734173	9.373E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
8327	499777.6	3734169	9.375E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
8328	499768.6	3734165	9.372E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
8329	499759.6	3734161	9.363E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
8330	499669.6	3734124	8.968E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.23E-09
8331	499660.6	3734120	8.899E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.20E-09
8332	499651.6	3734116	8.826E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
8333	499642.6	3734112	8.748E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
8334	499633.6	3734109	8.665E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.09E-09
8335	499624.6	3734105	8.579E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.05E-09
8336	499615.6	3734101	8.489E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.00E-09
8337	499606.6	3734097	8.395E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
8338	499597.6	3734093	8.297E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
8339	499588.6	3734090	8.196E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.87E-09
8340	499579.6	3734086	8.092E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
8341	499570.6	3734082	7.986E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.77E-09
8342	499561.6	3734078	7.876E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
8343	499552.6	3734075	7.764E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
8344	499543.6	3734071	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
8345	499534.6	3734067	7.535E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
8346	499525.6	3734063	7.418E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
8347	499516.6	3734060	7.3E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8348	499507.6	3734056	7.181E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
8349	499498.6	3734052	7.061E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
8350	499489.6	3734048	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
8351	499480.6	3734045	6.819E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8352	499471.6	3734041	6.698E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
8353	499462.6	3734037	6.576E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.90E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
8354	499453.6	3734033	6.455E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.72E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
8355	499444.6	3734029	6.334E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.54E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
8356	499435.6	3734026	6.213E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.35E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
8357	499426.6	3734022	6.092E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.17E-10	1.96E-09	0.00E+00	0.00E+00	2.87E-09
8358	499417.6	3734018	5.973E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
8359	499408.6	3734014	5.855E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.82E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
8360	499399.6	3734011	5.738E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
8361	499353.9	3733916	5.182E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
8362	499350.3	3733907	5.131E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.46E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
8363	499346.6	3733898	5.079E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
8364	499342.9	3733889	5.027E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
8365	499284.3	3733745	4.119E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	6.20E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
8366	499280.6	3733736	4.062E-09	7.49E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.15E-08	6.12E-10	1.30E-09	0.00E+00	0.00E+00	1.92E-09
8367	499258.6	3733681	3.729E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
8368	499254.9	3733672	3.675E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
8369	499251.3	3733663	3.622E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
8370	499247.6	3733654	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
8371	499243.9	3733645	3.518E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.48E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
8372	499240.3	3733636	3.467E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
8373	499236.6	3733627	3.417E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
8374	499203.6	3733546	2.995E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
8375	499858.6	3734203	9.161E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
8376	499868.4	3734203	9.175E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
8377	499878.2	3734203	9.184E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
8378	499888.1	3734203	9.187E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
8379	499897.9	3734203	9.186E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
8380	499907.7	3734203	9.18E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
8381	499917.5	3734203	9.17E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.33E-09
8382	499927.4	3734203	9.154E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
8383	499937.2	3734203	9.134E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-09	1.68E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.93E-09	0.00E+00	0.00E+00	4.31E-09
8384	499947	3734203	9.109E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.93E-09	0.00E+00	0.00E+00	4.30E-09
8385	499956.8	3734203	9.08E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.28E-09
8386	499966.7	3734203	9.046E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.91E-09	0.00E+00	0.00E+00	4.27E-09
8387	499976.5	3734203	9.007E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
8388	499986.3	3734203	8.964E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.23E-09
8389	499996.1	3734203	8.917E-09	1.64E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.64E-08	0.00E+00	0.00E+00	2.54E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.21E-09
8390	500006	3734203	8.866E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	1.33E-09	2.85E-09	0.00E+00	0.00E+00	4.18E-09
8391	500015.8	3734203	8.811E-09	1.62E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-09	1.62E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
8392	500025.6	3734203	8.752E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
8393	500035.4	3734203	8.688E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
8394	500045.3	3734203	8.622E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
8395	500055.1	3734203	8.552E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.03E-09
8396	500064.9	3734203	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
8397	500074.7	3734203	8.405E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.27E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
8398	500084.6	3734203	8.327E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.93E-09
8399	500094.4	3734203	8.246E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.89E-09
8400	500104.2	3734203	8.163E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
8401	500114	3734203	8.078E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
8402	500123.9	3734203	7.991E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
8403	500133.7	3734203	7.902E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
8404	500143.5	3734203	7.811E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.68E-09
8405	500153.3	3734203	7.719E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
8406	500163.1	3734203	7.625E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
8407	500173	3734203	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
8408	500182.8	3734203	7.434E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
8409	499849.5	3734239	8.58E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.05E-09
8410	499840.5	3734235	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
8411	499831.4	3734231	8.655E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.08E-09
8412	499822.4	3734228	8.686E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
8413	499813.4	3734224	8.713E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.31E-09	2.80E-09	0.00E+00	0.00E+00	4.11E-09
8414	499804.4	3734220	8.735E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.12E-09
8415	499795.3	3734216	8.752E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
8416	499786.3	3734213	8.765E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
8417	499777.3	3734209	8.772E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.14E-09
8418	499768.3	3734205	8.775E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.14E-09
8419	499759.2	3734201	8.773E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.14E-09
8420	499750.2	3734197	8.766E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-09	1.62E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.13E-09
8421	499741.2	3734194	8.754E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
8422	499732.2	3734190	8.737E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.12E-09
8423	499723.1	3734186	8.715E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.31E-09	2.80E-09	0.00E+00	0.00E+00	4.11E-09
8424	499714.1	3734182	8.689E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
8425	499705.1	3734179	8.657E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.08E-09
8426	499696.1	3734175	8.621E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
8427	499687	3734171	8.579E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.05E-09
8428	499678	3734167	8.533E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
8429	499669	3734163	8.482E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
8430	499569.7	3734122	7.661E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
8431	499560.7	3734118	7.567E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
8432	499551.7	3734114	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
8433	499542.7	3734111	7.371E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
8434	499533.6	3734107	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.43E-09
8435	499524.6	3734103	7.167E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
8436	499515.6	3734099	7.063E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
8437	499506.6	3734095	6.957E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
8438	499497.5	3734092	6.851E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
8439	499488.5	3734088	6.743E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
8440	499479.5	3734084	6.635E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	9.99E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
8441	499470.5	3734080	6.526E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.83E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8442	499461.4	3734077	6.416E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.66E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
8443	499452.4	3734073	6.307E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.50E-10	2.03E-09	0.00E+00	0.00E+00	2.97E-09
8444	499443.4	3734069	6.197E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
8445	499434.4	3734065	6.087E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.16E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
8446	499425.3	3734061	5.977E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09

8447	499416.3	3734058	5.868E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.83E-10	1.88E-09	0.00E+00	0.00E+00	2.77E-09
8448	499407.3	3734054	5.759E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.67E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
8449	499398.3	3734050	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.81E-09	0.00E+00	0.00E+00	2.67E-09
8450	499358.5	3734026	5.191E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	7.82E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
8451	499354.8	3734017	5.155E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	7.76E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
8452	499351.1	3734008	5.118E-09	9.43E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.43E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
8453	499347.5	3733999	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
8454	499343.8	3733990	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	7.59E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
8455	499340.1	3733981	4.999E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.53E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
8456	499321.7	3733935	4.778E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
8457	499318	3733926	4.732E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
8458	499314.4	3733917	4.684E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
8459	499310.7	3733908	4.635E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.54E-09	0.00E+00	0.00E+00	1.32E-08	6.98E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
8460	499307	3733899	4.586E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
8461	499303.3	3733890	4.537E-09	8.36E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.36E-09	0.00E+00	0.00E+00	1.29E-08	6.83E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
8462	499229.8	3733709	3.512E-09	6.47E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.99E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
8463	499226.1	3733700	3.464E-09	6.38E-09	0.00E+00	0.00E+00	9.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.85E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
8464	499222.4	3733690	3.415E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.30E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
8465	499218.8	3733681	3.368E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
8466	499215.1	3733672	3.321E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
8467	499211.4	3733663	3.274E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
8468	499207.7	3733654	3.228E-09	5.95E-09	0.00E+00	0.00E+00	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.18E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
8469	499204.1	3733645	3.183E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
8470	499167.3	3733554	2.767E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	4.17E-10	8.88E-10	0.00E+00	0.00E+00	1.31E-09
8471	499858.5	3734243	8.535E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
8472	499868.3	3734243	8.544E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
8473	499878.2	3734243	8.548E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.03E-09
8474	499888	3734243	8.548E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-09	1.58E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.03E-09
8475	499897.8	3734243	8.544E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
8476	499907.6	3734243	8.536E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
8477	499917.5	3734243	8.524E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.02E-09
8478	499927.3	3734243	8.507E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
8479	499937.1	3734243	8.487E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.00E-09
8480	499946.9	3734243	8.462E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.27E-09	2.72E-09	0.00E+00	0.00E+00	3.99E-09
8481	499956.8	3734243	8.433E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.98E-09
8482	499966.6	3734243	8.401E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
8483	499976.4	3734243	8.365E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
8484	499986.2	3734243	8.325E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.93E-09
8485	499996.1	3734243	8.281E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
8486	500005.9	3734243	8.235E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
8487	500015.7	3734243	8.185E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
8488	500025.5	3734243	8.131E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
8489	500035.4	3734243	8.074E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
8490	500045.2	3734243	8.014E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
8491	500055	3734243	7.951E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.55E-09	0.00E+00	0.00E+00	3.75E-09
8492	500064.8	3734243	7.887E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
8493	500074.6	3734243	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
8494	500084.5	3734243	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
8495	500094.3	3734243	7.679E-09	1.42E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.42E-08	0.00E+00	0.00E+00	2.18E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.62E-09
8496	500104.1	3734243	7.605E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.15E-09	2.44E-09	0.00E+00	0.00E+00	3.59E-09
8497	500113.9	3734243	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
8498	500123.8	3734243	7.453E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.52E-09
8499	500133.6	3734243	7.374E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
8500	500143.4	3734243	7.294E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8501	500153.2	3734243	7.212E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
8502	500163.1	3734243	7.129E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
8503	500172.9	3734243	7.045E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
8504	500182.7	3734243	6.961E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.28E-09
8505	499849.4	3734279	8.018E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
8506	499840.3	3734275	8.057E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.80E-09
8507	499831.3	3734271	8.093E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
8508	499822.2	3734268	8.125E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.83E-09
8509	499813.2	3734264	8.153E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
8510	499804.2	3734260	8.178E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
8511	499795.1	3734256	8.198E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.87E-09
8512	499786.1	3734252	8.213E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.87E-09
8513	499777	3734249	8.225E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
8514	499768	3734245	8.232E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
8515	499758.9	3734241	8.236E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
8516	499749.9	3734237	8.235E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
8517	499740.8	3734234	8.229E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
8518	499731.8	3734230	8.219E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
8519	499722.7	3734226	8.205E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.24E-09	2.63E-09	0.00E+00	0.00E+00	3.87E-09
8520	499713.7	3734222	8.187E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
8521	499704.6	3734218	8.164E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
8522	499695.6	3734215	8.137E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.23E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
8523	499686.5	3734211	8.105E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
8524	499677.5	3734207	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
8525	499668.5	3734203	8.029E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.58E-09	0.00E+00	0.00E+00	3.79E-09
8526	499659.4	3734199	7.985E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.77E-09
8527	499650.4	3734196	7.937E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.55E-09	0.00E+00	0.00E+00	3.74E-09
8528	499641.3	3734192	7.885E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
8529	499632.3	3734188	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
8530	499623.2	3734184	7.77E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
8531	499614.2	3734180	7.707E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
8532	499605.1	3734177	7.641E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
8533	499596.1	3734173	7.572E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
8534	499587	3734169	7.499E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.41E-09	0.00E+00	0.00E+00	3.54E-09
8535	499578	3734165	7.423E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
8536	499568.9	3734162	7.345E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.46E-09
8537	499478.5	3734124	6.445E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.70E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
8538	499469.4	3734120	6.347E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
8539	499460.4	3734116	6.249E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.41E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
8540	499451.3	3734112	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.26E-10	1.98E-09	0.00E+00	0.00E+00	2.90E-09
8541	499442.3	3734109	6.051E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
8542	499433.2	3734105	5.952E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
8543	499424.2	3734101	5.852E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.81E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
8544	499415.1	3734097	5.752E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.66E-10	1.85E-09	0.00E+00	0.00E+00	2.71E-09
8545	499406.1	3734093	5.652E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
8546	499360.9	3734074	5.159E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
8547	499351.8	3734071	5.063E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	7.62E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
8548	499342.8	3734067	4.967E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.60E-09	0.00E+00	0.00E+00	2.34E-09
8549	499330	3734054	4.841E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	7.29E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
8550	499326.4	3734045	4.807E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
8551	499322.7	3734036	4.773E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
8552	499319	3734027	4.738E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.73E-09	0.00E+00	0.00E+00	1.35E-08	7.13E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
8553	499315.3	3734018	4.702E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.67E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
8554	499293.2	3733963	4.464E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
8555	499289.5	3733954	4.421E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	6.66E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
8556	499285.8	3733945	4.378E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	6.59E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
8557	499282.1	3733936	4.334E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
8558	499278.4	3733927	4.289E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
8559	499274.7	3733918	4.244E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
8560	499271.1	3733909	4.199E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	6.32E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
8561	499197.3	3733727	3.271E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
8562	499193.7	3733718	3.228E-09	5.95E-09	0.00E+00	0.00E+00	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.18E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
8563	499190	3733709	3.184E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
8564	499186.3	3733700	3.141E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
8565	499182.6	3733690	3.099E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	4.67E-10	9.95E-10	0.00E+00	0.00E+00	1.46E-09
8566	499178.9	3733681	3.057E-09	5.64E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.69E-09	4.60E-10	9.82E-10	0.00E+00	0.00E+00	1.44E-09
8567	499175.2	3733672	3.016E-09	5.56E-09	0.00E+00	0.00E+00	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.57E-09	4.54E-10	9.69E-10	0.00E+00	0.00E+00	1.42E-09
8568	499160.5	3733636	2.856E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
8569	499127.3	3733554	2.531E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.13E-10	0.00E+00	0.00E+00	1.19E-09
8570	499123.6	3733545	2.498E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	3.76E-10	8.02E-10	0.00E+00	0.00E+00	1.18E-09
8571	499858.4	3734283	7.975E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
8572	499868.3	3734283	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
8573	499878.1	3734283	7.981E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
8574	499887.9	3734283	7.978E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
8575	499897.7	3734283	7.972E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
8576	499907.6	3734283	7.961E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09

8577	499917.4	3734283	7.948E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.55E-09	0.00E+00	0.00E+00	3.75E-09
8578	499927.2	3734283	7.931E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.55E-09	0.00E+00	0.00E+00	3.74E-09
8579	499937	3734283	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
8580	499946.9	3734283	7.886E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.72E-09
8581	499956.7	3734283	7.858E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.71E-09
8582	499966.5	3734283	7.828E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
8583	499976.3	3734283	7.794E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.68E-09
8584	499986.2	3734283	7.757E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
8585	499996	3734283	7.716E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
8586	500005.8	3734283	7.673E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.16E-09	2.46E-09	0.00E+00	0.00E+00	3.62E-09
8587	500015.6	3734283	7.627E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.60E-09
8588	500025.4	3734283	7.578E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.57E-09
8589	500035.3	3734283	7.527E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
8590	500045.1	3734283	7.473E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
8591	500054.9	3734283	7.417E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
8592	500064.7	3734283	7.359E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
8593	500074.6	3734283	7.299E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8594	500084.4	3734283	7.237E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.41E-09
8595	500094.2	3734283	7.173E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
8596	500104	3734283	7.107E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
8597	500113.9	3734283	7.04E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
8598	500123.7	3734283	6.971E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
8599	500133.5	3734283	6.901E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
8600	500143.3	3734283	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8601	500153.2	3734283	6.757E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
8602	500163	3734283	6.684E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.15E-09
8603	500172.8	3734283	6.609E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.95E-10	2.12E-09	0.00E+00	0.00E+00	3.12E-09
8604	500182.6	3734283	6.534E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8605	499849.4	3734319	7.512E-09	1.38E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-09	1.38E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.41E-09	0.00E+00	0.00E+00	3.54E-09
8606	499840.5	3734315	7.549E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.42E-09	0.00E+00	0.00E+00	3.56E-09
8607	499831.6	3734312	7.584E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
8608	499822.7	3734308	7.617E-09	1.40E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-09	1.40E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.59E-09
8609	499813.8	3734304	7.645E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
8610	499804.8	3734300	7.671E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.62E-09
8611	499795.9	3734297	7.692E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
8612	499787	3734293	7.711E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
8613	499778.1	3734289	7.726E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
8614	499769.1	3734285	7.737E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.65E-09
8615	499760.2	3734282	7.744E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.65E-09
8616	499751.3	3734278	7.748E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
8617	499742.4	3734274	7.749E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
8618	499733.5	3734270	7.745E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.65E-09
8619	499724.5	3734267	7.738E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.43E-08	0.00E+00	0.00E+00	2.20E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.65E-09
8620	499715.6	3734263	7.727E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.65E-09
8621	499706.7	3734259	7.713E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
8622	499697.8	3734256	7.695E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
8623	499688.9	3734252	7.673E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.16E-09	2.46E-09	0.00E+00	0.00E+00	3.62E-09
8624	499679.9	3734248	7.647E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
8625	499671	3734244	7.618E-09	1.40E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-09	1.40E-08	0.00E+00	0.00E+00	2.17E-08	1.15E-09	2.45E-09	0.00E+00	0.00E+00	3.59E-09
8626	499662.1	3734241	7.585E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
8627	499653.2	3734237	7.548E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.42E-09	0.00E+00	0.00E+00	3.56E-09
8628	499644.3	3734233	7.509E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.41E-09	0.00E+00	0.00E+00	3.54E-09
8629	499635.3	3734229	7.465E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
8630	499626.4	3734226	7.418E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
8631	499617.5	3734222	7.368E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
8632	499608.6	3734218	7.315E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
8633	499599.7	3734214	7.259E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
8634	499590.7	3734211	7.2E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.40E-09
8635	499581.8	3734207	7.138E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
8636	499572.9	3734203	7.074E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.07E-09	2.27E-09	0.00E+00	0.00E+00	3.34E-09
8637	499564	3734200	7.007E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
8638	499555.1	3734196	6.938E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
8639	499546.1	3734192	6.866E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.24E-09
8640	499537.2	3734188	6.792E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
8641	499528.3	3734185	6.716E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
8642	499519.4	3734181	6.638E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	9.99E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
8643	499510.5	3734177	6.558E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.87E-10	2.11E-09	0.00E+00	0.00E+00	3.09E-09
8644	499501.5	3734173	6.477E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.75E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
8645	499492.6	3734170	6.394E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.63E-10	2.05E-09	0.00E+00	0.00E+00	3.02E-09
8646	499483.7	3734166	6.311E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.50E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
8647	499474.8	3734162	6.226E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
8648	499358.8	3734114	5.074E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	7.64E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
8649	499349.9	3734110	4.986E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	7.51E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
8650	499341	3734106	4.899E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
8651	499332	3734102	4.812E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
8652	499323.1	3734099	4.726E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
8653	499314.2	3734095	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
8654	499301.7	3734082	4.527E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.45E-09	0.00E+00	0.00E+00	2.14E-09
8655	499298	3734073	4.497E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
8656	499294.4	3734064	4.466E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
8657	499290.7	3734055	4.434E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
8658	499287.1	3734046	4.402E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
8659	499283.5	3734037	4.368E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
8660	499279.8	3734028	4.333E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
8661	499258	3733975	4.111E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
8662	499254.4	3733966	4.071E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
8663	499250.8	3733957	4.031E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
8664	499247.1	3733948	3.991E-09	7.36E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.13E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
8665	499243.5	3733939	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
8666	499239.9	3733930	3.909E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
8667	499218.1	3733876	3.659E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	5.51E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
8668	499214.4	3733867	3.617E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
8669	499210.8	3733858	3.575E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
8670	499163.5	3733742	3.042E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.43E-09
8671	499159.9	3733733	3.003E-09	5.53E-09	0.00E+00	0.00E+00	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.54E-09	4.52E-10	9.64E-10	0.00E+00	0.00E+00	1.42E-09
8672	499156.3	3733724	2.964E-09	5.46E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.43E-09	4.46E-10	9.52E-10	0.00E+00	0.00E+00	1.40E-09
8673	499152.6	3733715	2.926E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	4.41E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
8674	499149	3733706	2.889E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.21E-09	4.35E-10	9.28E-10	0.00E+00	0.00E+00	1.36E-09
8675	499127.2	3733652	2.674E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	4.03E-10	8.59E-10	0.00E+00	0.00E+00	1.26E-09
8676	499119.9	3733634	2.606E-09	4.80E-09	0.00E+00	0.00E+00	7.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.80E-09	0.00E+00	0.00E+00	7.41E-09	3.92E-10	8.37E-10	0.00E+00	0.00E+00	1.23E-09
8677	499083.6	3733545	2.298E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.23E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
8678	499858.4	3734323	7.471E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
8679	499868.2	3734323	7.473E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
8680	499878	3734323	7.471E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
8681	499887.8	3734323	7.466E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
8682	499897.7	3734323	7.458E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
8683	499907.5	3734323	7.446E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
8684	499917.3	3734323	7.432E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
8685	499927.1	3734323	7.415E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
8686	499936.9	3734323	7.394E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.49E-09
8687	499946.8	3734323	7.371E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
8688	499956.6	3734323	7.344E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.46E-09
8689	499966.4	3734323	7.315E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
8690	499976.2	3734323	7.283E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8691	499986.1	3734323	7.249E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
8692	499995.9	3734323	7.212E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
8693	500005.7	3734323	7.171E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
8694	500015.5	3734323	7.129E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
8695	500025.4	3734323	7.084E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-09	1.31E-08	0.00E+00	0.00E+00	2.01E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.34E-09
8696	500035.2	3734323	7.038E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
8697	500045	3734323	6.989E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.30E-09
8698	500054.8	3734323	6.939E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
8699	500064.7	3734323	6.887E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8700	500074.5	3734323	6.832E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8701	500084.3	3734323	6.777E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
8702	500094.1	3734323	6.719E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
8703	500104	3734323	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
8704	500113.8	3734323	6.6E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.94E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8705	500123.6	3734323	6.539E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8706	500133.4	3734323	6.476E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.75E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09

8707	500143.3	3734323	6.412E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.65E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
8708	500153.1	3734323	6.348E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
8709	500162.9	3734323	6.282E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.46E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
8710	500172.7	3734323	6.215E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.36E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
8711	500182.6	3734323	6.147E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.26E-10	1.97E-09	0.00E+00	0.00E+00	2.90E-09
8712	499849.3	3734359	7.055E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
8713	499840.4	3734355	7.091E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.34E-09
8714	499831.4	3734352	7.126E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.31E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
8715	499822.5	3734348	7.157E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
8716	499813.5	3734344	7.186E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
8717	499804.6	3734340	7.212E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
8718	499795.7	3734337	7.235E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.41E-09
8719	499786.7	3734333	7.255E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
8720	499777.8	3734329	7.272E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.34E-09	0.00E+00	0.00E+00	3.43E-09
8721	499768.8	3734325	7.285E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8722	499759.9	3734322	7.296E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8723	499750.9	3734318	7.303E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.44E-09
8724	499742	3734314	7.307E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
8725	499733	3734310	7.308E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
8726	499724.1	3734307	7.305E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
8727	499715.2	3734303	7.3E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8728	499706.2	3734299	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
8729	499697.3	3734295	7.278E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.43E-09
8730	499688.3	3734292	7.262E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.43E-09
8731	499679.4	3734288	7.244E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
8732	499670.4	3734284	7.221E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.41E-09
8733	499661.5	3734280	7.196E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
8734	499652.5	3734277	7.167E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
8735	499643.6	3734273	7.135E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
8736	499634.6	3734269	7.1E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
8737	499625.7	3734265	7.062E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
8738	499616.8	3734262	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
8739	499607.8	3734258	6.976E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
8740	499598.9	3734254	6.929E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
8741	499589.9	3734250	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8742	499581	3734247	6.828E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8743	499572	3734243	6.773E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.19E-09
8744	499563.1	3734239	6.716E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
8745	499554.1	3734235	6.656E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
8746	499545.2	3734232	6.594E-09	1.22E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.22E-08	0.00E+00	0.00E+00	1.87E-08	9.93E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8747	499536.3	3734228	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.83E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8748	499527.3	3734224	6.464E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
8749	499518.4	3734220	6.396E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.63E-10	2.05E-09	0.00E+00	0.00E+00	3.02E-09
8750	499509.4	3734217	6.326E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.52E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
8751	499500.5	3734213	6.254E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.42E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
8752	499491.5	3734209	6.182E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.31E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
8753	499482.6	3734205	6.108E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.20E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
8754	499473.6	3734202	6.032E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.08E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
8755	499464.7	3734198	5.956E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.97E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
8756	499455.7	3734194	5.878E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.85E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
8757	499446.8	3734190	5.8E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.73E-10	1.86E-09	0.00E+00	0.00E+00	2.74E-09
8758	499437.9	3734187	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
8759	499428.9	3734183	5.641E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.49E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
8760	499420	3734179	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
8761	499411	3734176	5.479E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
8762	499285.8	3734123	4.348E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	6.55E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
8763	499273.2	3734110	4.244E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
8764	499262.3	3734083	4.159E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
8765	499258.6	3734074	4.129E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
8766	499255	3734065	4.098E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
8767	499251.3	3734056	4.066E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
8768	499247.7	3734047	4.033E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
8769	499244	3734038	4E-09	7.37E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.37E-09	0.00E+00	0.00E+00	1.14E-08	6.02E-10	1.28E-09	0.00E+00	0.00E+00	1.89E-09
8770	499222.2	3733985	3.789E-09	6.98E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.98E-09	0.00E+00	0.00E+00	1.08E-08	5.70E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
8771	499218.5	3733976	3.752E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
8772	499214.9	3733967	3.715E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
8773	499211.2	3733958	3.678E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
8774	499207.6	3733949	3.641E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
8775	499203.9	3733940	3.603E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
8776	499200.3	3733931	3.565E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
8777	499182.1	3733886	3.373E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
8778	499178.4	3733877	3.334E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
8779	499174.8	3733868	3.296E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.07E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
8780	499171.1	3733859	3.258E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	4.90E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
8781	499123.8	3733742	2.779E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.90E-09	4.18E-10	8.93E-10	0.00E+00	0.00E+00	1.31E-09
8782	499120.1	3733733	2.745E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.82E-10	0.00E+00	0.00E+00	1.29E-09
8783	499116.5	3733724	2.711E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
8784	499094.6	3733670	2.516E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.15E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
8785	499091	3733661	2.485E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	3.74E-10	7.98E-10	0.00E+00	0.00E+00	1.17E-09
8786	499087.3	3733652	2.454E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	3.69E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
8787	499043.6	3733544	2.122E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.03E-09	3.19E-10	6.81E-10	0.00E+00	0.00E+00	1.00E-09
8788	499858.3	3734363	7.016E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
8789	499868.1	3734363	7.015E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
8790	499877.9	3734363	7.011E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
8791	499887.7	3734363	7.004E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
8792	499897.6	3734363	6.995E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
8793	499907.4	3734363	6.983E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
8794	499917.2	3734363	6.968E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
8795	499927	3734363	6.95E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
8796	499936.9	3734363	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
8797	499946.7	3734363	6.908E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
8798	499956.5	3734363	6.883E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8799	499966.3	3734363	6.855E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
8800	499976.2	3734363	6.825E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8801	499986	3734363	6.793E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
8802	499995.8	3734363	6.758E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
8803	500005.6	3734363	6.721E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
8804	500015.5	3734363	6.682E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.15E-09
8805	500025.3	3734363	6.642E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.13E-09
8806	500035.1	3734363	6.599E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.94E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8807	500044.9	3734363	6.555E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.87E-10	2.11E-09	0.00E+00	0.00E+00	3.09E-09
8808	500054.8	3734363	6.509E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.80E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
8809	500064.6	3734363	6.462E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
8810	500074.4	3734363	6.413E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.66E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
8811	500084.2	3734363	6.363E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.58E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
8812	500094.1	3734363	6.311E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.50E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
8813	500103.9	3734363	6.258E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.42E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
8814	500113.7	3734363	6.204E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.34E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
8815	500123.5	3734363	6.148E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.26E-10	1.97E-09	0.00E+00	0.00E+00	2.90E-09
8816	500133.4	3734363	6.092E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.17E-10	1.96E-09	0.00E+00	0.00E+00	2.87E-09
8817	500143.2	3734363	6.034E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.09E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
8818	500153	3734363	5.976E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
8819	500162.8	3734363	5.916E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
8820	500172.7	3734363	5.856E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.82E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
8821	500182.5	3734363	5.796E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.73E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
8822	499849.2	3734399	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.13E-09
8823	499840.3	3734395	6.676E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.14E-09	0.00E+00	0.00E+00	3.15E-09
8824	499831.3	3734391	6.709E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
8825	499822.3	3734388	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.18E-09
8826	499813.4	3734384	6.769E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
8827	499804.4	3734380	6.795E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.21E-09
8828	499795.4	3734376	6.818E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8829	499786.5	3734373	6.839E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
8830	499777.5	3734369	6.857E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
8831	499768.5	3734365	6.872E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.21E-09	0.00E+00	0.00E+00	3.24E-09
8832	499759.6	3734361	6.885E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8833	499750.6	3734358	6.895E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8834	499741.6	3734354	6.902E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
8835	499732.7	3734350	6.906E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
8836	499723.7	3734346	6.907E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09

8837	499714.7	3734343	6.905E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
8838	499705.7	3734339	6.9E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
8839	499696.8	3734335	6.893E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8840	499687.8	3734331	6.882E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
8841	499678.8	3734328	6.869E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-09	1.27E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.21E-09	0.00E+00	0.00E+00	3.24E-09
8842	499669.9	3734324	6.852E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
8843	499660.9	3734320	6.833E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
8844	499651.9	3734316	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
8845	499643	3734313	6.785E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
8846	499634	3734309	6.757E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
8847	499625	3734305	6.726E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
8848	499616.1	3734301	6.692E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
8849	499607.1	3734298	6.656E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
8850	499598.1	3734294	6.617E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.96E-10	2.12E-09	0.00E+00	0.00E+00	3.12E-09
8851	499589.2	3734290	6.575E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.90E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
8852	499580.2	3734286	6.531E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.83E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8853	499571.2	3734283	6.485E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	9.76E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
8854	499562.3	3734279	6.436E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.69E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
8855	499553.3	3734275	6.385E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
8856	499544.3	3734271	6.332E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.53E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
8857	499535.4	3734268	6.276E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.45E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
8858	499526.4	3734264	6.219E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.36E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
8859	499517.4	3734260	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.27E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
8860	499508.5	3734256	6.098E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.18E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
8861	499499.5	3734253	6.036E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.09E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
8862	499490.5	3734249	5.972E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.99E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
8863	499481.6	3734245	5.907E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
8864	499472.6	3734241	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.88E-09	0.00E+00	0.00E+00	2.75E-09
8865	499463.6	3734238	5.772E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.69E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
8866	499454.7	3734234	5.703E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
8867	499445.7	3734230	5.632E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
8868	499436.7	3734226	5.561E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
8869	499427.8	3734223	5.489E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.26E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
8870	499418.8	3734219	5.417E-09	9.98E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.98E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
8871	499409.8	3734215	5.344E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	8.05E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
8872	499400.9	3734211	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
8873	499374	3734200	5.046E-09	9.30E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.30E-09	0.00E+00	0.00E+00	1.43E-08	7.60E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
8874	499365	3734196	4.971E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.60E-09	0.00E+00	0.00E+00	2.34E-09
8875	499356	3734193	4.896E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	7.37E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
8876	499347	3734189	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
8877	499338.1	3734185	4.745E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
8878	499329.1	3734181	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
8879	499320.1	3734177	4.595E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
8880	499311.2	3734174	4.521E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
8881	499302.2	3734170	4.447E-09	8.20E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.26E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
8882	499293.2	3734166	4.373E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
8883	499230.1	3734102	3.882E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
8884	499226.5	3734093	3.853E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
8885	499222.8	3734084	3.824E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	5.76E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
8886	499219.2	3734075	3.794E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
8887	499215.5	3734066	3.763E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.94E-09	0.00E+00	0.00E+00	1.07E-08	5.67E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
8888	499211.9	3734057	3.732E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
8889	499189.9	3734003	3.537E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	5.32E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
8890	499186.3	3733994	3.503E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
8891	499182.6	3733985	3.469E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
8892	499179	3733976	3.434E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
8893	499175.3	3733967	3.4E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
8894	499171.7	3733958	3.365E-09	6.20E-09	0.00E+00	0.00E+00	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.57E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
8895	499168	3733949	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
8896	499146.1	3733895	3.119E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
8897	499142.4	3733886	3.083E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
8898	499138.8	3733877	3.048E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
8899	499135.1	3733868	3.014E-09	5.55E-09	0.00E+00	0.00E+00	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.57E-09	4.54E-10	9.68E-10	0.00E+00	0.00E+00	1.42E-09
8900	499131.5	3733859	2.979E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.48E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
8901	499065.7	3733697	2.401E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.83E-09	3.62E-10	7.71E-10	0.00E+00	0.00E+00	1.13E-09
8902	499062	3733688	2.372E-09	4.37E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.37E-09	0.00E+00	0.00E+00	6.75E-09	3.57E-10	7.62E-10	0.00E+00	0.00E+00	1.12E-09
8903	499058.4	3733679	2.344E-09	4.32E-09	0.00E+00	0.00E+00	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.32E-09	0.00E+00	0.00E+00	6.66E-09	3.53E-10	7.53E-10	0.00E+00	0.00E+00	1.11E-09
8904	499054.7	3733670	2.316E-09	4.27E-09	0.00E+00	0.00E+00	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.59E-09	3.49E-10	7.44E-10	0.00E+00	0.00E+00	1.09E-09
8905	499051.1	3733661	2.289E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	3.45E-10	7.35E-10	0.00E+00	0.00E+00	1.08E-09
8906	499047.4	3733652	2.261E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.40E-10	7.26E-10	0.00E+00	0.00E+00	1.07E-09
8907	499010.9	3733562	2.013E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.49E-10
8908	499003.6	3733544	1.968E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.32E-10	0.00E+00	0.00E+00	9.28E-10
8909	499858.2	3734403	6.603E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.94E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8910	499868	3734403	6.6E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.94E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8911	499877.8	3734403	6.594E-09	1.22E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.22E-08	0.00E+00	0.00E+00	1.87E-08	9.93E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8912	499887.7	3734403	6.586E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.92E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
8913	499897.5	3734403	6.576E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.90E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
8914	499907.3	3734403	6.563E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.88E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
8915	499917.1	3734403	6.548E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.86E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
8916	499927	3734403	6.531E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.83E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8917	499936.8	3734403	6.512E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.80E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
8918	499946.6	3734403	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.77E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
8919	499956.4	3734403	6.466E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.74E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
8920	499966.3	3734403	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.70E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
8921	499976.1	3734403	6.412E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.65E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
8922	499985.9	3734403	6.382E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
8923	499995.7	3734403	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
8924	500005.6	3734403	6.316E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	9.51E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
8925	500015.4	3734403	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.46E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
8926	500025.2	3734403	6.242E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.40E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
8927	500035	3734403	6.204E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.34E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
8928	500044.9	3734403	6.163E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
8929	500054.7	3734403	6.122E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.22E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
8930	500064.5	3734403	6.078E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.15E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
8931	500074.3	3734403	6.034E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.08E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
8932	500084.2	3734403	5.988E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
8933	500094	3734403	5.941E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.95E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
8934	500103.8	3734403	5.893E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.87E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
8935	500113.6	3734403	5.844E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
8936	500123.5	3734403	5.794E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.72E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
8937	500133.3	3734403	5.744E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.65E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
8938	500143.1	3734403	5.692E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
8939	500152.9	3734403	5.639E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.49E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
8940	500162.8	3734403	5.585E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
8941	500172.6	3734403	5.531E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.33E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
8942	500182.4	3734403	5.477E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
8943	499849.1	3734439	6.263E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.43E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
8944	499840.1	3734435	6.298E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.48E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
8945	499831.2	3734431	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.53E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
8946	499822.2	3734428	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.58E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
8947	499813.2	3734424	6.388E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.62E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
8948	499804.2	3734420	6.413E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.66E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
8949	499795.2	3734416	6.437E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.69E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
8950	499786.2	3734413	6.458E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.72E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09
8951	499777.2	3734409	6.477E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.75E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
8952	499768.2	3734405	6.494E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.78E-10	2.09E-09	0.00E+00	0.00E+00	3.06E-09
8953	499759.2	3734401	6.508E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.80E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
8954	499750.3	3734398	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.82E-10	2.09E-09	0.00E+00	0.00E+00	3.08E-09
8955	499741.3	3734394	6.529E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.83E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8956	499732.3	3734390	6.535E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8957	499723.3	3734386	6.539E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.85E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8958	499714.3	3734383	6.541E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.85E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
8959	499705.3	3734379	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.85E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8960	499696.3	3734375	6.536E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8961	499687.3	3734371	6.529E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.83E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
8962	499678.4	3734367	6.521E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.82E-10	2.09E-09	0.00E+00	0.00E+00	3.08E-09
8963	499669.4	3734364	6.509E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.80E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
8964	499660.4	3734360	6.494E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.78E-10	2.09E-09	0.00E+00	0.00E+00	3.06E-09
8965	499651.4	3734356	6.477E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.75E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
8966	499642.4	3734352	6.457E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.72E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09

8967	499633.4	3734349	6.435E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.69E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
8968	499624.4	3734345	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.65E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
8969	499615.4	3734341	6.383E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.61E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
8970	499606.5	3734337	6.353E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.57E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
8971	499597.5	3734334	6.321E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.52E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
8972	499588.5	3734330	6.286E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.46E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
8973	499579.5	3734326	6.249E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.41E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
8974	499570.5	3734322	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	9.35E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
8975	499561.5	3734319	6.168E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.29E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
8976	499552.5	3734315	6.125E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.22E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
8977	499543.5	3734311	6.079E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.15E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
8978	499534.5	3734307	6.032E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.08E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
8979	499525.6	3734304	5.982E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.01E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
8980	499516.6	3734300	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	8.93E-10	1.90E-09	0.00E+00	0.00E+00	2.80E-09
8981	499507.6	3734296	5.877E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.85E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
8982	499498.6	3734292	5.822E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
8983	499489.6	3734288	5.766E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.68E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
8984	499480.6	3734285	5.708E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
8985	499471.6	3734281	5.649E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
8986	499462.6	3734277	5.589E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.79E-09	0.00E+00	0.00E+00	2.64E-09
8987	499453.7	3734273	5.528E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.32E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
8988	499444.7	3734270	5.465E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.23E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
8989	499435.7	3734266	5.401E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	8.13E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
8990	499426.7	3734262	5.337E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.84E-09	0.00E+00	0.00E+00	1.52E-08	8.04E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
8991	499417.7	3734258	5.271E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.72E-09	0.00E+00	0.00E+00	1.50E-08	7.94E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
8992	499408.7	3734255	5.205E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	7.84E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
8993	499372.8	3734240	4.935E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
8994	499363.8	3734236	4.867E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	7.33E-10	1.56E-09	0.00E+00	0.00E+00	2.30E-09
8995	499354.8	3734232	4.798E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
8996	499345.8	3734228	4.728E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
8997	499336.8	3734225	4.659E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
8998	499327.8	3734221	4.589E-09	8.46E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.30E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
8999	499318.8	3734217	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
9000	499309.8	3734213	4.451E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
9001	499300.9	3734209	4.383E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
9002	499291.9	3734206	4.314E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.03E-09
9003	499282.9	3734202	4.246E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
9004	499273.9	3734198	4.178E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9005	499264.9	3734194	4.111E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.58E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
9006	499255.9	3734191	4.044E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.09E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
9007	499246.9	3734187	3.977E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
9008	499237.9	3734183	3.911E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
9009	499229	3734179	3.846E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.24E-09	0.00E+00	0.00E+00	1.81E-09
9010	499216.3	3734167	3.758E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
9011	499194.3	3734112	3.604E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
9012	499190.7	3734103	3.577E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
9013	499187	3734094	3.548E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
9014	499183.3	3734085	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
9015	499179.7	3734076	3.491E-09	6.43E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.43E-09	0.00E+00	0.00E+00	9.93E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
9016	499176	3734067	3.462E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
9017	499157.7	3734022	3.309E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
9018	499154	3734013	3.278E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
9019	499150.4	3734004	3.246E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.98E-09	0.00E+00	0.00E+00	9.23E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
9020	499146.7	3733995	3.215E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
9021	499143.1	3733986	3.183E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
9022	499139.4	3733977	3.151E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
9023	499135.7	3733968	3.118E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
9024	499113.8	3733914	2.924E-09	5.39E-09	0.00E+00	0.00E+00	8.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.39E-09	0.00E+00	0.00E+00	8.31E-09	4.40E-10	9.39E-10	0.00E+00	0.00E+00	1.38E-09
9025	499110.1	3733905	2.892E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	4.35E-10	9.29E-10	0.00E+00	0.00E+00	1.36E-09
9026	499106.4	3733896	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	4.31E-10	9.19E-10	0.00E+00	0.00E+00	1.35E-09
9027	499102.8	3733887	2.828E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.04E-09	4.26E-10	9.08E-10	0.00E+00	0.00E+00	1.33E-09
9028	499099.1	3733878	2.796E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
9029	499095.4	3733869	2.765E-09	5.10E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.10E-09	0.00E+00	0.00E+00	7.86E-09	4.16E-10	8.88E-10	0.00E+00	0.00E+00	1.30E-09
9030	499091.8	3733860	2.733E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	4.12E-10	8.78E-10	0.00E+00	0.00E+00	1.29E-09
9031	499029.5	3733706	2.241E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.20E-10	0.00E+00	0.00E+00	1.06E-09
9032	499025.9	3733697	2.215E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	3.34E-10	7.11E-10	0.00E+00	0.00E+00	1.05E-09
9033	499022.2	3733688	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.03E-10	0.00E+00	0.00E+00	1.03E-09
9034	499018.5	3733679	2.165E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
9035	499014.9	3733670	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.87E-10	0.00E+00	0.00E+00	1.01E-09
9036	498978.2	3733580	1.913E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
9037	498970.9	3733562	1.871E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.83E-10
9038	498967.3	3733553	1.851E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
9039	498963.6	3733544	1.831E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.88E-10	0.00E+00	0.00E+00	8.64E-10
9040	499858.1	3734443	6.227E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.38E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9041	499867.9	3734443	6.222E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9042	499877.8	3734443	6.216E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.36E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
9043	499887.6	3734443	6.207E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.35E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
9044	499897.4	3734443	6.196E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
9045	499907.2	3734443	6.183E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.31E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
9046	499917.1	3734443	6.168E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.29E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
9047	499926.9	3734443	6.151E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.26E-10	1.98E-09	0.00E+00	0.00E+00	2.90E-09
9048	499936.7	3734443	6.132E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.23E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
9049	499946.5	3734443	6.112E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.20E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
9050	499956.4	3734443	6.089E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.17E-10	1.96E-09	0.00E+00	0.00E+00	2.87E-09
9051	499966.2	3734443	6.064E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.13E-10	1.95E-09	0.00E+00	0.00E+00	2.86E-09
9052	499976	3734443	6.038E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.09E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
9053	499985.8	3734443	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.05E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
9054	499995.7	3734443	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
9055	500005.5	3734443	5.949E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9056	500015.3	3734443	5.915E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9057	500025.1	3734443	5.881E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.85E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
9058	500035	3734443	5.845E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
9059	500044.8	3734443	5.808E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
9060	500054.6	3734443	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.69E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
9061	500064.4	3734443	5.731E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.63E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
9062	500074.3	3734443	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
9063	500084.1	3734443	5.649E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.50E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
9064	500093.9	3734443	5.606E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.44E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
9065	500103.7	3734443	5.562E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
9066	500113.6	3734443	5.518E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.31E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
9067	500123.4	3734443	5.473E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.24E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
9068	500133.2	3734443	5.426E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9069	500143	3734443	5.38E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	8.10E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
9070	500152.8	3734443	5.332E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	8.03E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
9071	500162.7	3734443	5.283E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	7.95E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
9072	500172.5	3734443	5.234E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9073	500182.3	3734443	5.185E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9074	499849.1	3734475	5.954E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9075	499840.1	3734471	5.987E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.01E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
9076	499831.1	3734467	6.018E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.06E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
9077	499822.2	3734463	6.047E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.10E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
9078	499813.2	3734460	6.074E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.15E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
9079	499804.3	3734456	6.1E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.18E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
9080	499795.3	3734452	6.123E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.22E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
9081	499786.3	3734448	6.145E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.25E-10	1.97E-09	0.00E+00	0.00E+00	2.90E-09
9082	499777.4	3734445	6.164E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
9083	499768.4	3734441	6.181E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.31E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
9084	499759.4	3734437	6.197E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
9085	499750.5	3734433	6.209E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.14E-08	0.00E+00	0.00E+00	1.77E-08	9.35E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
9086	499741.5	3734430	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
9087	499732.5	3734426	6.229E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.38E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9088	499723.6	3734422	6.235E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9089	499714.6	3734418	6.239E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9090	499705.6	3734415	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.40E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9091	499696.7	3734411	6.239E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9092	499687.7	3734407	6.236E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9093	499678.7	3734403	6.231E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.38E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9094	499669.8	3734400	6.223E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
9095	499660.8	3734396	6.212E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.35E-10	2.00E-09	0.00E+00	0.00E+00	2.93E-09
9096	499651.8	3734392	6.2E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.33E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09

9097	499642.9	3734388	6.184E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.31E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
9098	499633.9	3734385	6.167E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
9099	499624.9	3734381	6.147E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.25E-10	1.97E-09	0.00E+00	0.00E+00	2.90E-09
9100	499616	3734377	6.125E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.22E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
9101	499607	3734373	6.1E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.18E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
9102	499598	3734370	6.073E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.14E-10	1.95E-09	0.00E+00	0.00E+00	2.86E-09
9103	499589.1	3734366	6.044E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.11E-08	0.00E+00	0.00E+00	1.72E-08	9.10E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
9104	499580.1	3734362	6.013E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.05E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
9105	499571.1	3734358	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
9106	499562.2	3734355	5.945E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.95E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
9107	499553.2	3734351	5.908E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9108	499544.2	3734347	5.869E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.84E-10	1.88E-09	0.00E+00	0.00E+00	2.77E-09
9109	499535.3	3734343	5.827E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
9110	499526.3	3734340	5.785E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
9111	499517.3	3734336	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
9112	499508.4	3734332	5.694E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9113	499499.4	3734328	5.645E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.50E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
9114	499490.4	3734325	5.596E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
9115	499481.5	3734321	5.544E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.35E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
9116	499472.5	3734317	5.492E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
9117	499463.5	3734313	5.438E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.19E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9118	499454.6	3734310	5.384E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
9119	499445.6	3734306	5.328E-09	9.82E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	9.82E-09	0.00E+00	0.00E+00	1.51E-08	8.02E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
9120	499436.6	3734302	5.271E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	7.94E-10	1.69E-09	0.00E+00	0.00E+00	2.49E-09
9121	499427.7	3734298	5.213E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
9122	499418.7	3734295	5.154E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	7.76E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
9123	499409.8	3734291	5.094E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
9124	499364.9	3734272	4.785E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	7.20E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9125	499356	3734268	4.722E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
9126	499347	3734265	4.659E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
9127	499338	3734261	4.595E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
9128	499329.1	3734257	4.531E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
9129	499320.1	3734253	4.466E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
9130	499311.1	3734249	4.402E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
9131	499302.2	3734246	4.338E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
9132	499293.2	3734242	4.274E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
9133	499284.2	3734238	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
9134	499275.3	3734234	4.147E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	6.24E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
9135	499266.3	3734231	4.083E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
9136	499257.3	3734227	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
9137	499248.4	3734223	3.958E-09	7.29E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.29E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
9138	499239.4	3734219	3.895E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.86E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
9139	499230.4	3734216	3.833E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	5.77E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
9140	499221.5	3734212	3.772E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
9141	499212.5	3734208	3.711E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
9142	499203.5	3734204	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
9143	499190.9	3734192	3.569E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
9144	499154.4	3734102	3.321E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
9145	499150.7	3734093	3.294E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
9146	499147.1	3734084	3.266E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
9147	499128.8	3734039	3.124E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.76E-09	0.00E+00	0.00E+00	8.88E-09	4.70E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
9148	499125.2	3734030	3.095E-09	5.70E-09	0.00E+00	0.00E+00	8.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.80E-09	4.66E-10	9.94E-10	0.00E+00	0.00E+00	1.46E-09
9149	499121.5	3734021	3.066E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	4.62E-10	9.84E-10	0.00E+00	0.00E+00	1.45E-09
9150	499117.8	3734012	3.036E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.63E-09	4.57E-10	9.75E-10	0.00E+00	0.00E+00	1.43E-09
9151	499114.2	3734003	3.006E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	4.53E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
9152	499110.5	3733994	2.977E-09	5.49E-09	0.00E+00	0.00E+00	8.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.46E-09	4.48E-10	9.56E-10	0.00E+00	0.00E+00	1.40E-09
9153	499106.9	3733985	2.947E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	4.44E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
9154	499085	3733930	2.767E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	4.17E-10	8.89E-10	0.00E+00	0.00E+00	1.31E-09
9155	499081.3	3733921	2.738E-09	5.05E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
9156	499077.7	3733912	2.708E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
9157	499074	3733903	2.679E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
9158	499070.4	3733894	2.649E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.53E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
9159	499008.2	3733741	2.187E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
9160	499004.6	3733732	2.162E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	3.26E-10	6.94E-10	0.00E+00	0.00E+00	1.02E-09
9161	499000.9	3733723	2.138E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.87E-10	0.00E+00	0.00E+00	1.01E-09
9162	498997.3	3733714	2.114E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.97E-10
9163	498993.6	3733705	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
9164	498990	3733696	2.067E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.75E-10
9165	498986.3	3733687	2.044E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.57E-10	0.00E+00	0.00E+00	9.64E-10
9166	498982.7	3733678	2.022E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	3.04E-10	6.49E-10	0.00E+00	0.00E+00	9.54E-10
9167	498979	3733669	2E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.43E-10
9168	498942.5	3733579	1.796E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.70E-10	5.77E-10	0.00E+00	0.00E+00	8.47E-10
9169	498935.2	3733561	1.758E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.29E-10
9170	498931.5	3733552	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.21E-10
9171	498927.9	3733543	1.722E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
9172	499858	3734478	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9173	499867.9	3734478	5.915E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9174	499877.7	3734478	5.907E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9175	499887.5	3734479	5.897E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
9176	499897.3	3734479	5.886E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.86E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
9177	499907.2	3734479	5.873E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.84E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
9178	499917	3734479	5.858E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.82E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
9179	499926.8	3734479	5.841E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
9180	499936.6	3734479	5.823E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.77E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
9181	499946.5	3734479	5.803E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.74E-10	1.86E-09	0.00E+00	0.00E+00	2.74E-09
9182	499956.3	3734479	5.781E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.70E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
9183	499966.1	3734479	5.758E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.67E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
9184	499975.9	3734479	5.733E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.63E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
9185	499985.8	3734479	5.707E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9186	499995.6	3734479	5.679E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
9187	500005.4	3734479	5.649E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
9188	500015.2	3734479	5.618E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.46E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
9189	500025.1	3734479	5.586E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.64E-09
9190	500034.9	3734479	5.553E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
9191	500044.7	3734479	5.519E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.31E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
9192	500054.5	3734479	5.484E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.26E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
9193	500064.4	3734479	5.447E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.20E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9194	500074.2	3734479	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	8.14E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
9195	500084	3734479	5.371E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	8.09E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
9196	500093.8	3734479	5.332E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	8.03E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
9197	500103.7	3734479	5.292E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	7.97E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
9198	500113.5	3734479	5.251E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
9199	500123.3	3734479	5.209E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	7.84E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
9200	500133.1	3734479	5.167E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	7.78E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
9201	500143	3734479	5.124E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
9202	500152.8	3734479	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
9203	500162.6	3734479	5.035E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
9204	500172.4	3734479	4.99E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	7.51E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9205	500182.3	3734479	4.945E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
9206	499849	3734510	5.668E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
9207	499840.1	3734507	5.699E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.58E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9208	499831.1	3734503	5.729E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.63E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
9209	499822.2	3734499	5.757E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.67E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
9210	499813.2	3734495	5.784E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
9211	499804.3	3734492	5.809E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
9212	499795.4	3734488	5.832E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.78E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
9213	499786.4	3734484	5.854E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.81E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
9214	499777.5	3734480	5.873E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.84E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
9215	499768.5	3734477	5.891E-09	1.09E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.67E-08	8.87E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
9216	499759.6	3734473	5.907E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9217	499750.6	3734469	5.921E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9218	499741.7	3734465	5.933E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	8.93E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
9219	499732.7	3734462	5.943E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.95E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
9220	499723.8	3734458	5.951E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9221	499714.8	3734454	5.956E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.97E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9222	499705.9	3734451	5.961E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.97E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9223	499697	3734447	5.962E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.98E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9224	499688	3734443	5.962E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.98E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9225	499679.1	3734439	5.958E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.97E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9226	499670.1	3734436	5.954E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09

9227	499661.2	3734432	5.947E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.95E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
9228	499652.2	3734428	5.937E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.09E-08	0.00E+00	0.00E+00	1.69E-08	8.94E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
9229	499643.3	3734424	5.926E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.92E-10	1.90E-09	0.00E+00	0.00E+00	2.80E-09
9230	499634.3	3734421	5.912E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.90E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
9231	499625.4	3734417	5.897E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
9232	499616.4	3734413	5.879E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.85E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
9233	499607.5	3734409	5.859E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.82E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
9234	499598.6	3734406	5.837E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
9235	499589.6	3734402	5.813E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
9236	499580.7	3734398	5.787E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
9237	499571.7	3734394	5.759E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.67E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
9238	499562.8	3734391	5.729E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.63E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
9239	499553.8	3734387	5.698E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.58E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9240	499544.9	3734383	5.664E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
9241	499535.9	3734379	5.629E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
9242	499527	3734376	5.591E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
9243	499518	3734372	5.553E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
9244	499509.1	3734368	5.512E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.30E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
9245	499500.2	3734364	5.47E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.24E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
9246	499491.2	3734361	5.426E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9247	499482.3	3734357	5.381E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	8.10E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
9248	499473.3	3734353	5.335E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	8.03E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
9249	499464.4	3734349	5.287E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	7.96E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
9250	499455.4	3734346	5.239E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9251	499446.5	3734342	5.189E-09	9.56E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.48E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9252	499437.5	3734338	5.138E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
9253	499428.6	3734334	5.086E-09	9.37E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.37E-09	0.00E+00	0.00E+00	1.45E-08	7.66E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
9254	499419.6	3734331	5.032E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
9255	499410.7	3734327	4.979E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9256	499366	3734308	4.698E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
9257	499357	3734304	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
9258	499348.1	3734301	4.582E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	6.90E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
9259	499339.1	3734297	4.524E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
9260	499330.2	3734293	4.465E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
9261	499321.2	3734289	4.405E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
9262	499312.3	3734286	4.346E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	6.54E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
9263	499303.4	3734282	4.286E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.90E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
9264	499294.4	3734278	4.227E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
9265	499285.5	3734274	4.167E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9266	499276.5	3734271	4.108E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
9267	499267.6	3734267	4.048E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.46E-09	0.00E+00	0.00E+00	1.15E-08	6.10E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
9268	499258.6	3734263	3.989E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
9269	499249.7	3734260	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.24E-09	0.00E+00	0.00E+00	1.12E-08	5.92E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
9270	499240.7	3734256	3.872E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
9271	499231.8	3734252	3.813E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
9272	499222.8	3734248	3.755E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
9273	499213.9	3734245	3.697E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.57E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
9274	499205	3734241	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.03E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
9275	499196	3734237	3.583E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
9276	499187.1	3734233	3.527E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
9277	499178.1	3734230	3.471E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
9278	499165.5	3734217	3.394E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
9279	499140	3734154	3.238E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
9280	499118.1	3734100	3.088E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
9281	499099.9	3734055	2.955E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.45E-09	0.00E+00	0.00E+00	8.40E-09	4.45E-10	9.49E-10	0.00E+00	0.00E+00	1.39E-09
9282	499096.3	3734046	2.927E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.32E-09	4.41E-10	9.40E-10	0.00E+00	0.00E+00	1.38E-09
9283	499092.6	3734037	2.9E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
9284	499089	3734028	2.873E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
9285	499085.3	3734019	2.845E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.09E-09	4.28E-10	9.14E-10	0.00E+00	0.00E+00	1.34E-09
9286	499081.7	3734010	2.817E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
9287	499063.5	3733965	2.679E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.62E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
9288	499059.8	3733956	2.651E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
9289	499056.2	3733947	2.624E-09	4.84E-09	0.00E+00	0.00E+00	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.84E-09	0.00E+00	0.00E+00	7.46E-09	3.95E-10	8.43E-10	0.00E+00	0.00E+00	1.24E-09
9290	499052.5	3733938	2.596E-09	4.79E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.34E-10	0.00E+00	0.00E+00	1.22E-09
9291	499048.9	3733929	2.569E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.87E-10	8.25E-10	0.00E+00	0.00E+00	1.21E-09
9292	499045.2	3733920	2.541E-09	4.68E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.23E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
9293	499041.6	3733911	2.514E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.15E-09	3.79E-10	8.07E-10	0.00E+00	0.00E+00	1.19E-09
9294	498972.3	3733741	2.042E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.56E-10	0.00E+00	0.00E+00	9.63E-10
9295	498968.7	3733732	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.49E-10	0.00E+00	0.00E+00	9.53E-10
9296	498965.1	3733723	1.998E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.42E-10
9297	498961.4	3733714	1.976E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.32E-10
9298	498957.8	3733705	1.955E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	2.94E-10	6.28E-10	0.00E+00	0.00E+00	9.22E-10
9299	498954.1	3733696	1.934E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.12E-10
9300	498950.5	3733687	1.914E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.15E-10	0.00E+00	0.00E+00	9.03E-10
9301	498946.8	3733678	1.894E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.93E-10
9302	498943.2	3733669	1.874E-09	3.45E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.33E-09	2.82E-10	6.02E-10	0.00E+00	0.00E+00	8.84E-10
9303	498906.7	3733579	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.43E-10	0.00E+00	0.00E+00	7.97E-10
9304	498899.4	3733561	1.656E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	2.49E-10	5.32E-10	0.00E+00	0.00E+00	7.81E-10
9305	498895.8	3733552	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.73E-10
9306	498892.2	3733543	1.624E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.62E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.66E-10
9307	499858	3734514	5.635E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
9308	499867.8	3734514	5.629E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
9309	499877.6	3734514	5.621E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.46E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
9310	499887.4	3734514	5.611E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	8.45E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
9311	499897.3	3734514	5.6E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.43E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
9312	499907.1	3734514	5.586E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.64E-09
9313	499916.9	3734514	5.572E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.39E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
9314	499926.7	3734514	5.556E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
9315	499936.6	3734514	5.538E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.34E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
9316	499946.4	3734514	5.519E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.31E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
9317	499956.2	3734514	5.498E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.28E-10	1.77E-09	0.00E+00	0.00E+00	2.59E-09
9318	499966	3734514	5.476E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
9319	499975.9	3734514	5.453E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9320	499985.7	3734514	5.428E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9321	499995.5	3734514	5.401E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	8.13E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
9322	500005.3	3734514	5.374E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-09	9.90E-09	0.00E+00	0.00E+00	1.53E-08	8.09E-10	1.73E-09	0.00E+00	0.00E+00	2.53E-09
9323	500015.2	3734514	5.345E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	8.05E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
9324	500025	3734515	5.315E-09	9.80E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.80E-09	0.00E+00	0.00E+00	1.51E-08	8.00E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
9325	500034.8	3734515	5.284E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	7.96E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
9326	500044.6	3734515	5.252E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
9327	500054.5	3734515	5.219E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
9328	500064.3	3734515	5.186E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9329	500074.1	3734515	5.151E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	7.76E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
9330	500083.9	3734515	5.115E-09	9.43E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.43E-09	0.00E+00	0.00E+00	1.45E-08	7.70E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9331	500093.8	3734515	5.079E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
9332	500103.6	3734515	5.042E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	7.59E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
9333	500113.4	3734515	5.004E-09	9.22E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.22E-09	0.00E+00	0.00E+00	1.42E-08	7.53E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
9334	500123.2	3734515	4.966E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
9335	500133.1	3734515	4.927E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
9336	500142.9	3734515	4.887E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
9337	500152.7	3734515	4.847E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	7.30E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
9338	500162.5	3734515	4.806E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
9339	500172.4	3734515	4.764E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	7.17E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
9340	500182.2	3734515	4.723E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
9341	499830.8	3734539	5.463E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.58E-09
9342	499821.7	3734535	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
9343	499812.7	3734531	5.517E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.31E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
9344	499803.7	3734527	5.541E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.34E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
9345	499794.6	3734523	5.564E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
9346	499785.6	3734520	5.586E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
9347	499776.5	3734516	5.605E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.44E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
9348	499767.5	3734512	5.623E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
9349	499758.5	3734508	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.49E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
9350	499749.4	3734504	5.654E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
9351	499740.4	3734501	5.667E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
9352	499731.4	3734497	5.678E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
9353	499722.3	3734493	5.687E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.56E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
9354	499713.3	3734489	5.694E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9355	499704.2	3734486	5.699E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.58E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9356	499695.2	3734482	5.702E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09

9357	499686.2	3734478	5.703E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9358	499677.1	3734474	5.703E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9359	499668.1	3734470	5.7E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.58E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9360	499659	3734467	5.695E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
9361	499650	3734463	5.688E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.56E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
9362	499641	3734459	5.679E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
9363	499631.9	3734455	5.668E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
9364	499622.9	3734451	5.655E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
9365	499613.8	3734448	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.49E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
9366	499604.8	3734444	5.623E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
9367	499595.8	3734440	5.605E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.44E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
9368	499586.7	3734436	5.584E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
9369	499577.7	3734433	5.561E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
9370	499568.6	3734429	5.537E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.34E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
9371	499559.6	3734425	5.511E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.30E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
9372	499550.6	3734421	5.483E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
9373	499541.5	3734417	5.453E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9374	499532.5	3734414	5.421E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9375	499523.4	3734410	5.388E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
9376	499514.4	3734406	5.353E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	8.06E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
9377	499505.4	3734402	5.317E-09	9.80E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.80E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
9378	499496.3	3734399	5.279E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	7.95E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
9379	499487.3	3734395	5.239E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9380	499478.2	3734391	5.198E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9381	499469.2	3734387	5.156E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	7.76E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
9382	499460.2	3734383	5.113E-09	9.42E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	9.42E-09	0.00E+00	0.00E+00	1.45E-08	7.70E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9383	499451.1	3734380	5.068E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.34E-09	0.00E+00	0.00E+00	1.44E-08	7.63E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
9384	499442.1	3734376	5.023E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9385	499433	3734372	4.976E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9386	499424	3734368	4.928E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
9387	499415	3734364	4.879E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
9388	499369.8	3734346	4.623E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
9389	499360.7	3734342	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
9390	499351.7	3734338	4.516E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
9391	499342.7	3734334	4.462E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
9392	499333.6	3734330	4.407E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
9393	499324.6	3734327	4.352E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	6.55E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
9394	499315.5	3734323	4.296E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
9395	499306.5	3734319	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
9396	499297.5	3734315	4.184E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9397	499288.4	3734311	4.128E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
9398	499279.4	3734308	4.073E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
9399	499270.3	3734304	4.017E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
9400	499261.3	3734300	3.961E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
9401	499252.3	3734296	3.905E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
9402	499243.2	3734293	3.849E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
9403	499234.2	3734289	3.793E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
9404	499225.1	3734285	3.738E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
9405	499216.1	3734281	3.682E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
9406	499207.1	3734277	3.627E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
9407	499198	3734274	3.573E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
9408	499189	3734270	3.518E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
9409	499179.9	3734266	3.465E-09	6.39E-09	0.00E+00	0.00E+00	9.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.39E-09	0.00E+00	0.00E+00	9.85E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
9410	499170.9	3734262	3.411E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
9411	499161.9	3734258	3.358E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.19E-09	0.00E+00	0.00E+00	9.55E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
9412	499152.8	3734255	3.305E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
9413	499140.1	3734242	3.233E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
9414	499136.4	3734233	3.213E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.14E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
9415	499132.7	3734224	3.193E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
9416	499129	3734215	3.172E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
9417	499125.4	3734206	3.151E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
9418	499121.7	3734196	3.129E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	4.71E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
9419	499118	3734187	3.107E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.98E-10	0.00E+00	0.00E+00	1.47E-09
9420	499114.3	3734178	3.085E-09	5.69E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.91E-10	0.00E+00	0.00E+00	1.46E-09
9421	499110.6	3734169	3.062E-09	5.64E-09	0.00E+00	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.64E-09	0.00E+00	0.00E+00	8.71E-09	4.61E-10	9.83E-10	0.00E+00	0.00E+00	1.44E-09
9422	499106.9	3734160	3.039E-09	5.60E-09	0.00E+00	0.00E+00	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.64E-09	4.58E-10	9.76E-10	0.00E+00	0.00E+00	1.43E-09
9423	499103.3	3734151	3.016E-09	5.56E-09	0.00E+00	0.00E+00	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.57E-09	4.54E-10	9.68E-10	0.00E+00	0.00E+00	1.42E-09
9424	499099.6	3734142	2.992E-09	5.51E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.51E-09	4.50E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
9425	499073.8	3734078	2.818E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
9426	499070.1	3734069	2.793E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	4.20E-10	8.97E-10	0.00E+00	0.00E+00	1.32E-09
9427	499066.4	3734060	2.767E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	4.17E-10	8.89E-10	0.00E+00	0.00E+00	1.31E-09
9428	499062.7	3734051	2.741E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.13E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09
9429	499059.1	3734042	2.715E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
9430	499055.4	3734033	2.689E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	4.05E-10	8.64E-10	0.00E+00	0.00E+00	1.27E-09
9431	499033.3	3733978	2.533E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.13E-10	0.00E+00	0.00E+00	1.19E-09
9432	499029.6	3733969	2.507E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.13E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
9433	499025.9	3733960	2.481E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	3.74E-10	7.97E-10	0.00E+00	0.00E+00	1.17E-09
9434	499022.2	3733951	2.455E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	3.70E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
9435	499018.5	3733942	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	3.66E-10	7.80E-10	0.00E+00	0.00E+00	1.15E-09
9436	499014.9	3733933	2.404E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.72E-10	0.00E+00	0.00E+00	1.13E-09
9437	499011.2	3733924	2.379E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	3.58E-10	7.64E-10	0.00E+00	0.00E+00	1.12E-09
9438	498937.5	3733742	1.918E-09	3.53E-09	0.00E+00	0.00E+00	5.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.53E-09	0.00E+00	0.00E+00	5.45E-09	2.89E-10	6.16E-10	0.00E+00	0.00E+00	9.05E-10
9439	498933.8	3733733	1.897E-09	3.50E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.39E-09	2.86E-10	6.09E-10	0.00E+00	0.00E+00	8.95E-10
9440	498930.1	3733724	1.877E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.03E-10	0.00E+00	0.00E+00	8.86E-10
9441	498926.5	3733715	1.858E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.76E-10
9442	498922.8	3733706	1.838E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
9443	498919.1	3733697	1.819E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
9444	498915.4	3733688	1.801E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.49E-10
9445	498911.7	3733679	1.782E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.41E-10
9446	498908	3733670	1.764E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.66E-10	5.66E-10	0.00E+00	0.00E+00	8.32E-10
9447	498871.2	3733579	1.595E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
9448	498863.8	3733561	1.564E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.38E-10
9449	498860.2	3733552	1.549E-09	2.86E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.31E-10
9450	498856.5	3733543	1.534E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.24E-10
9451	499848.8	3734582	5.158E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
9452	499839.8	3734578	5.187E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9453	499830.8	3734574	5.215E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
9454	499821.8	3734570	5.241E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9455	499812.7	3734567	5.266E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
9456	499803.7	3734563	5.29E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	7.97E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
9457	499794.7	3734559	5.313E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	8.00E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
9458	499740.6	3734537	5.417E-09	9.98E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.98E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9459	499731.6	3734533	5.429E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.17E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9460	499722.6	3734529	5.439E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.19E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9461	499713.6	3734525	5.447E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.20E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9462	499704.5	3734521	5.454E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9463	499695.5	3734518	5.458E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9464	499686.5	3734514	5.461E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.58E-09
9465	499677.5	3734510	5.463E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.58E-09
9466	499668.5	3734506	5.462E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.58E-09
9467	499659.4	3734503	5.459E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.58E-09
9468	499650.4	3734499	5.455E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.21E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9469	499641.4	3734495	5.449E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.20E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9470	499632.4	3734491	5.441E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.19E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
9471	499623.4	3734487	5.431E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.18E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9472	499614.4	3734484	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
9473	499605.3	3734480	5.406E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	8.14E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
9474	499596.3	3734476	5.391E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
9475	499587.3	3734472	5.374E-09	9.91E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-09	9.91E-09	0.00E+00	0.00E+00	1.53E-08	8.09E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
9476	499578.3	3734469	5.356E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	8.06E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
9477	499569.3	3734465	5.335E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	9.83E-09	0.00E+00	0.00E+00	1.52E-08	8.03E-10	1.71E-09	0.00E+00	0.00E+00	2.52E-09
9478	499560.3	3734461	5.313E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.79E-09	0.00E+00	0.00E+00	1.51E-08	8.00E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
9479	499551.2	3734457	5.289E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.75E-09	0.00E+00	0.00E+00	1.50E-08	7.96E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
9480	499542.2	3734453	5.263E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	7.92E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
9481	499533.2	3734450	5.236E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9482	499524.2	3734446	5.208E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	7.84E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
9483	499515.2	3734442	5.178E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
9484	499506.1	3734438	5.147E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	7.75E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
9485	499497.1	3734435	5.114E-09	9.43E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	9.43E-09	0.00E+00	0.00E+00	1.45E-08	7.70E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9486	499488.1	3734431	5.079E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09

9487	499370.9	3734382	4.528E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.45E-09	0.00E+00	0.00E+00	2.14E-09
9488	499361.9	3734378	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
9489	499352.8	3734374	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
9490	499343.8	3734370	4.381E-09	8.07E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.07E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
9491	499334.8	3734367	4.331E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
9492	499325.8	3734363	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
9493	499316.8	3734359	4.229E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
9494	499307.8	3734355	4.177E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9495	499298.7	3734352	4.126E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.32E-09	0.00E+00	0.00E+00	1.95E-09
9496	499289.7	3734348	4.074E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.51E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
9497	499280.7	3734344	4.022E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	6.06E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
9498	499271.7	3734340	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
9499	499262.7	3734336	3.918E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
9500	499253.7	3734333	3.865E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
9501	499244.6	3734329	3.813E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
9502	499235.6	3734325	3.761E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
9503	499226.6	3734321	3.709E-09	6.84E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
9504	499217.6	3734318	3.657E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.74E-09	0.00E+00	0.00E+00	1.04E-08	5.51E-10	1.17E-09	0.00E+00	0.00E+00	1.73E-09
9505	499208.6	3734314	3.605E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
9506	499199.5	3734310	3.554E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	5.35E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
9507	499190.5	3734306	3.502E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
9508	499181.5	3734302	3.451E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
9509	499172.5	3734299	3.4E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
9510	499163.5	3734295	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
9511	499154.5	3734291	3.3E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
9512	499145.4	3734287	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
9513	499136.4	3734284	3.2E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
9514	499127.4	3734280	3.151E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
9515	499114.7	3734267	3.084E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
9516	499111	3734258	3.066E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	4.62E-10	9.85E-10	0.00E+00	0.00E+00	1.45E-09
9517	499107.4	3734249	3.047E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	4.59E-10	9.78E-10	0.00E+00	0.00E+00	1.44E-09
9518	499103.7	3734240	3.027E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	4.56E-10	9.72E-10	0.00E+00	0.00E+00	1.43E-09
9519	499100	3734231	3.008E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.54E-09	0.00E+00	0.00E+00	8.55E-09	4.53E-10	9.66E-10	0.00E+00	0.00E+00	1.42E-09
9520	499096.3	3734222	2.987E-09	5.51E-09	0.00E+00	0.00E+00	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.49E-09	4.50E-10	9.59E-10	0.00E+00	0.00E+00	1.41E-09
9521	499092.7	3734213	2.967E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	4.47E-10	9.53E-10	0.00E+00	0.00E+00	1.40E-09
9522	499089	3734204	2.946E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	4.44E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
9523	499085.3	3734195	2.925E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.39E-09	0.00E+00	0.00E+00	8.32E-09	4.40E-10	9.39E-10	0.00E+00	0.00E+00	1.38E-09
9524	499081.6	3734185	2.903E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
9525	499078	3734176	2.881E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	4.34E-10	9.25E-10	0.00E+00	0.00E+00	1.36E-09
9526	499074.3	3734167	2.859E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.27E-09	0.00E+00	0.00E+00	8.13E-09	4.30E-10	9.18E-10	0.00E+00	0.00E+00	1.35E-09
9527	499070.6	3734158	2.837E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	4.27E-10	9.11E-10	0.00E+00	0.00E+00	1.34E-09
9528	499066.9	3734149	2.814E-09	5.19E-09	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.19E-09	0.00E+00	0.00E+00	8.00E-09	4.24E-10	9.04E-10	0.00E+00	0.00E+00	1.33E-09
9529	499063.3	3734140	2.791E-09	5.14E-09	0.00E+00	0.00E+00	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.94E-09	4.20E-10	8.96E-10	0.00E+00	0.00E+00	1.32E-09
9530	499059.6	3734131	2.768E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	4.17E-10	8.89E-10	0.00E+00	0.00E+00	1.31E-09
9531	499037.5	3734077	2.626E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	3.95E-10	8.43E-10	0.00E+00	0.00E+00	1.24E-09
9532	499033.9	3734068	2.602E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
9533	499030.2	3734059	2.577E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
9534	499004.5	3733995	2.408E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	3.63E-10	7.73E-10	0.00E+00	0.00E+00	1.14E-09
9535	499000.8	3733986	2.384E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.78E-09	3.59E-10	7.66E-10	0.00E+00	0.00E+00	1.12E-09
9536	498997.1	3733977	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.58E-10	0.00E+00	0.00E+00	1.11E-09
9537	498993.5	3733968	2.336E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.50E-10	0.00E+00	0.00E+00	1.10E-09
9538	498989.8	3733959	2.312E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	3.48E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
9539	498986.1	3733950	2.288E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	3.45E-10	7.35E-10	0.00E+00	0.00E+00	1.08E-09
9540	498967.7	3733905	2.172E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
9541	498964.1	3733896	2.149E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.24E-10	6.90E-10	0.00E+00	0.00E+00	1.01E-09
9542	498901.6	3733742	1.8E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.12E-09	2.71E-10	5.78E-10	0.00E+00	0.00E+00	8.49E-10
9543	498897.9	3733732	1.782E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.40E-10
9544	498894.2	3733723	1.764E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.66E-10	5.66E-10	0.00E+00	0.00E+00	8.32E-10
9545	498890.6	3733714	1.746E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.61E-10	0.00E+00	0.00E+00	8.24E-10
9546	498886.9	3733705	1.728E-09	3.19E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10
9547	498883.2	3733696	1.711E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.58E-10	5.49E-10	0.00E+00	0.00E+00	8.07E-10
9548	498879.5	3733687	1.694E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
9549	498875.9	3733678	1.677E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.53E-10	5.39E-10	0.00E+00	0.00E+00	7.91E-10
9550	498872.2	3733669	1.661E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
9551	498828.1	3733560	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.21E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.98E-10
9552	498824.4	3733551	1.466E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.92E-10
9553	498820.8	3733542	1.452E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.68E-09	0.00E+00	0.00E+00	4.13E-09	2.19E-10	4.66E-10	0.00E+00	0.00E+00	6.85E-10
9554	499857.8	3734586	5.128E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
9555	499867.7	3734586	5.121E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.64E-09	0.00E+00	0.00E+00	2.42E-09
9556	499877.5	3734586	5.112E-09	9.42E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	9.42E-09	0.00E+00	0.00E+00	1.45E-08	7.70E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9557	499887.3	3734586	5.101E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	7.68E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9558	499897.1	3734586	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	7.66E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
9559	499907	3734586	5.077E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.64E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
9560	499916.8	3734586	5.063E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	7.62E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
9561	499926.6	3734586	5.048E-09	9.30E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.30E-09	0.00E+00	0.00E+00	1.44E-08	7.60E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
9562	499936.4	3734586	5.032E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
9563	499946.3	3734586	5.014E-09	9.24E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.43E-08	7.55E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9564	499956.1	3734586	4.995E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.52E-10	1.60E-09	0.00E+00	0.00E+00	2.36E-09
9565	499965.9	3734586	4.975E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9566	499975.7	3734586	4.954E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
9567	499985.6	3734586	4.931E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
9568	499995.4	3734586	4.908E-09	9.05E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.05E-09	0.00E+00	0.00E+00	1.40E-08	7.39E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
9569	500005.2	3734586	4.884E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
9570	500015	3734586	4.859E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
9571	500024.8	3734586	4.833E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9572	500034.7	3734586	4.806E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
9573	500044.5	3734586	4.778E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
9574	500054.3	3734586	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
9575	500064.1	3734586	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
9576	500074	3734586	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
9577	500083.8	3734586	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	7.02E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
9578	500093.6	3734586	4.628E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	6.97E-10	1.49E-09	0.00E+00	0.00E+00	2.18E-09
9579	500103.4	3734586	4.597E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
9580	500113.3	3734586	4.564E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
9581	500123.1	3734586	4.531E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
9582	500132.9	3734586	4.498E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
9583	500142.7	3734586	4.464E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
9584	500152.6	3734586	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
9585	500162.4	3734586	4.395E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
9586	500172.2	3734586	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
9587	500182	3734586	4.324E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	6.51E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
9588	499848.8	3734618	4.929E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
9589	499839.8	3734614	4.957E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
9590	499830.8	3734610	4.984E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9591	499821.8	3734606	5.009E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
9592	499812.8	3734602	5.034E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
9593	499803.8	3734599	5.057E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	7.61E-10	1.62E-09	0.00E+00	0.00E+00	2.39E-09
9594	499794.8	3734595	5.079E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
9595	499785.8	3734591	5.1E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.40E-09	0.00E+00	0.00E+00	1.45E-08	7.68E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9596	499776.8	3734587	5.119E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9597	499767.8	3734584	5.137E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
9598	499758.8	3734580	5.154E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.50E-09	0.00E+00	0.00E+00	1.47E-08	7.76E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
9599	499749.8	3734576	5.169E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	9.53E-09	0.00E+00	0.00E+00	1.47E-08	7.78E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
9600	499740.8	3734572	5.183E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.45E-09
9601	499731.8	3734569	5.196E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	7.82E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9602	499722.8	3734565	5.207E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	7.84E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
9603	499713.8	3734561	5.216E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
9604	499704.8	3734557	5.223E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
9605	499659.8	3734538	5.238E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9606	499650.8	3734535	5.235E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.65E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9607	499641.8	3734531	5.232E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.64E-09	0.00E+00	0.00E+00	1.49E-08	7.88E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9608	499632.8	3734527	5.226E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	7.87E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
9609	499623.8	3734523	5.219E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.62E-09	0.00E+00	0.00E+00	1.48E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
9610	499614.8	3734520	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.60E-09	0.00E+00	0.00E+00	1.48E-08	7.84E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
9611	499605.8	3734516	5.2E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9612	499596.8	3734512	5.188E-09	9.56E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.48E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
9613	499587.8	3734508	5.174E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	9.54E-09	0.00E+00	0.00E+00	1.47E-08	7.79E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
9614	499578.8	3734505	5.159E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
9615	499569.9	3734501	5.142E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.48E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
9616	499560.9	3734497	5.124E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09

9617	499551.9	3734493	5.103E-09	9.41E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.41E-09	0.00E+00	0.00E+00	1.45E-08	7.68E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
9618	499542.9	3734489	5.081E-09	9.37E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.37E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
9619	499533.9	3734486	5.058E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	7.62E-10	1.62E-09	0.00E+00	0.00E+00	2.39E-09
9620	499524.9	3734482	5.034E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
9621	499515.9	3734478	5.008E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
9622	499506.9	3734474	4.981E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9623	499497.9	3734471	4.952E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
9624	499488.9	3734467	4.922E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
9625	499479.9	3734463	4.891E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
9626	499470.9	3734459	4.858E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	7.31E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
9627	499461.9	3734456	4.824E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9628	499452.9	3734452	4.789E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9629	499443.9	3734448	4.753E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	7.16E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
9630	499434.9	3734444	4.716E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
9631	499371.9	3734418	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
9632	499362.9	3734414	4.386E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
9633	499353.9	3734410	4.341E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	6.54E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
9634	499344.9	3734407	4.296E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
9635	499335.9	3734403	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.37E-09	0.00E+00	0.00E+00	2.00E-09
9636	499326.9	3734399	4.204E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
9637	499317.9	3734395	4.157E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
9638	499308.9	3734392	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.19E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
9639	499299.9	3734388	4.062E-09	7.49E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.15E-08	6.12E-10	1.30E-09	0.00E+00	0.00E+00	1.92E-09
9640	499290.9	3734384	4.014E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
9641	499281.9	3734380	3.966E-09	7.31E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.31E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
9642	499272.9	3734376	3.918E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.22E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
9643	499263.9	3734373	3.869E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
9644	499254.9	3734369	3.821E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
9645	499245.9	3734365	3.772E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
9646	499237	3734361	3.723E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
9647	499228	3734358	3.675E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
9648	499219	3734354	3.626E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
9649	499210	3734350	3.577E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
9650	499201	3734346	3.529E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.50E-09	0.00E+00	0.00E+00	1.00E-08	5.31E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
9651	499192	3734343	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.89E-09	5.24E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
9652	499183	3734339	3.432E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.76E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
9653	499174	3734335	3.384E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	5.09E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
9654	499165	3734331	3.336E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
9655	499156	3734328	3.288E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
9656	499147	3734324	3.241E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
9657	499138	3734320	3.194E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
9658	499129	3734316	3.147E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.80E-09	0.00E+00	0.00E+00	8.95E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
9659	499120	3734312	3.1E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.71E-09	0.00E+00	0.00E+00	8.81E-09	4.67E-10	9.96E-10	0.00E+00	0.00E+00	1.46E-09
9660	499111	3734309	3.054E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
9661	499102	3734305	3.008E-09	5.55E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.55E-09	0.00E+00	0.00E+00	8.55E-09	4.53E-10	9.66E-10	0.00E+00	0.00E+00	1.42E-09
9662	499089.3	3734292	2.946E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.43E-09	0.00E+00	0.00E+00	8.38E-09	4.44E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
9663	499085.7	3734283	2.929E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	4.41E-10	9.41E-10	0.00E+00	0.00E+00	1.38E-09
9664	499082	3734274	2.911E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	4.38E-10	9.35E-10	0.00E+00	0.00E+00	1.37E-09
9665	499078.3	3734265	2.893E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	4.36E-10	9.29E-10	0.00E+00	0.00E+00	1.36E-09
9666	499074.7	3734256	2.874E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
9667	499071	3734247	2.855E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
9668	499067.3	3734238	2.836E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.06E-09	4.27E-10	9.11E-10	0.00E+00	0.00E+00	1.34E-09
9669	499063.7	3734229	2.817E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
9670	499060	3734220	2.797E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
9671	499056.3	3734211	2.777E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
9672	499052.7	3734202	2.756E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.85E-10	0.00E+00	0.00E+00	1.30E-09
9673	499049	3734193	2.736E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.04E-09	0.00E+00	0.00E+00	7.78E-09	4.12E-10	8.79E-10	0.00E+00	0.00E+00	1.29E-09
9674	499045.3	3734184	2.715E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
9675	499041.7	3734175	2.694E-09	4.96E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.66E-09	4.06E-10	8.65E-10	0.00E+00	0.00E+00	1.27E-09
9676	499038	3734166	2.672E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	4.02E-10	8.58E-10	0.00E+00	0.00E+00	1.26E-09
9677	499034.3	3734157	2.651E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
9678	499030.7	3734147	2.629E-09	4.85E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.47E-09	3.96E-10	8.44E-10	0.00E+00	0.00E+00	1.24E-09
9679	499027	3734138	2.607E-09	4.81E-09	0.00E+00	0.00E+00	7.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.41E-09	3.93E-10	8.37E-10	0.00E+00	0.00E+00	1.23E-09
9680	499023.3	3734129	2.585E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.30E-10	0.00E+00	0.00E+00	1.22E-09
9681	499019.7	3734120	2.563E-09	4.72E-09	0.00E+00	0.00E+00	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.29E-09	3.86E-10	8.23E-10	0.00E+00	0.00E+00	1.21E-09
9682	498994	3734057	2.405E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.72E-10	0.00E+00	0.00E+00	1.13E-09
9683	498990.3	3734048	2.383E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	3.59E-10	7.65E-10	0.00E+00	0.00E+00	1.12E-09
9684	498986.7	3734039	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.58E-10	0.00E+00	0.00E+00	1.11E-09
9685	498983	3734030	2.338E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	3.52E-10	7.51E-10	0.00E+00	0.00E+00	1.10E-09
9686	498979.3	3734021	2.315E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	3.49E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
9687	498975.7	3734012	2.293E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.23E-09	0.00E+00	0.00E+00	6.52E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
9688	498972	3734003	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
9689	498968.3	3733994	2.248E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
9690	498964.7	3733985	2.226E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.15E-10	0.00E+00	0.00E+00	1.05E-09
9691	498961	3733976	2.204E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	3.32E-10	7.08E-10	0.00E+00	0.00E+00	1.04E-09
9692	498957.3	3733967	2.181E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.01E-10	0.00E+00	0.00E+00	1.03E-09
9693	498865.7	3733741	1.693E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
9694	498862	3733732	1.677E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.52E-10	5.39E-10	0.00E+00	0.00E+00	7.91E-10
9695	498858.4	3733723	1.661E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
9696	498854.7	3733714	1.644E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	2.48E-10	5.28E-10	0.00E+00	0.00E+00	7.76E-10
9697	498851	3733705	1.629E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	2.45E-10	5.23E-10	0.00E+00	0.00E+00	7.68E-10
9698	498847.4	3733696	1.613E-09	2.97E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.18E-10	0.00E+00	0.00E+00	7.61E-10
9699	498843.7	3733687	1.598E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	2.41E-10	5.13E-10	0.00E+00	0.00E+00	7.54E-10
9700	498840	3733677	1.582E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.46E-10
9701	498796	3733569	1.415E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.68E-10
9702	498792.4	3733560	1.403E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	2.11E-10	4.50E-10	0.00E+00	0.00E+00	6.62E-10
9703	498788.7	3733551	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.56E-10
9704	498785	3733542	1.378E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.50E-10
9705	499857.8	3734621	4.901E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
9706	499867.6	3734621	4.893E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.02E-09	0.00E+00	0.00E+00	1.39E-08	7.37E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
9707	499877.4	3734621	4.884E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
9708	499887.2	3734621	4.874E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	8.98E-09	0.00E+00	0.00E+00	1.39E-08	7.34E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
9709	499897.1	3734621	4.862E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
9710	499906.9	3734621	4.85E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	7.30E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
9711	499916.7	3734621	4.836E-09	8.91E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.91E-09	0.00E+00	0.00E+00	1.38E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9712	499926.5	3734621	4.822E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
9713	499936.4	3734621	4.806E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
9714	499946.2	3734621	4.789E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9715	499956	3734622	4.771E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	7.18E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
9716	499965.8	3734622	4.752E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
9717	499975.7	3734622	4.732E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
9718	499985.5	3734622	4.711E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	7.09E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
9719	499995.3	3734622	4.689E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
9720	500005.1	3734622	4.666E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.60E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
9721	500015	3734622	4.642E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
9722	500024.8	3734622	4.618E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	6.95E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
9723	500034.6	3734622	4.592E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.17E-09
9724	500044.4	3734622	4.567E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
9725	500054.3	3734622	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
9726	500064.1	3734622	4.513E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	8.32E-09	0.00E+00	0.00E+00	1.28E-08	6.79E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
9727	500073.9	3734622	4.485E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
9728	500083.7	3734622	4.456E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	6.71E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
9729	500093.5	3734622	4.427E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
9730	500103.4	3734622	4.397E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
9731	500113.2	3734622	4.367E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
9732	500123	3734622	4.337E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
9733	500132.8	3734622	4.306E-09	7.94E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	7.94E-09	0.00E+00	0.00E+00	1.22E-08	6.48E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
9734	500142.7	3734622	4.274E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
9735	500152.5	3734622	4.242E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
9736	500162.3	3734622	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
9737	500172.1	3734622	4.178E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.70E-09	0.00E+00	0.00E+00	1.19E-08	6.29E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9738	500182	3734622	4.145E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	6.24E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
9739	499848.7	3734653	4.716E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
9740	499839.7	3734650	4.743E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
9741	499830.8	3734646	4.769E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	7.18E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
9742	499821.8	3734642	4.793E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9743	499812.8	3734638	4.817E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	7.25E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
9744	499803.8	3734634	4.839E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	7.29E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9745	499794.8	3734631	4.861E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
9746	499785.9	3734627	4.881E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09

9747	499776.9	3734623	4.9E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
9748	499767.9	3734619	4.918E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
9749	499758.9	3734616	4.935E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
9750	499750	3734612	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
9751	499741	3734608	4.964E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.47E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
9752	499732	3734604	4.977E-09	9.17E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.17E-09	0.00E+00	0.00E+00	1.42E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9753	499723	3734601	4.989E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	7.51E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
9754	499714	3734597	4.999E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.53E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
9755	499705.1	3734593	5.007E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
9756	499696.1	3734589	5.014E-09	9.24E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.43E-08	7.55E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9757	499687.1	3734586	5.02E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9758	499678.1	3734582	5.024E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9759	499669.1	3734578	5.027E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9760	499660.2	3734574	5.028E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9761	499651.2	3734571	5.028E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9762	499642.2	3734567	5.026E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9763	499633.2	3734563	5.023E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9764	499624.3	3734559	5.018E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
9765	499570.4	3734537	4.957E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.14E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
9766	499561.4	3734533	4.942E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.11E-09	0.00E+00	0.00E+00	1.41E-08	7.44E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
9767	499552.4	3734529	4.925E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
9768	499543.5	3734525	4.907E-09	9.04E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.04E-09	0.00E+00	0.00E+00	1.40E-08	7.39E-10	1.58E-09	0.00E+00	0.00E+00	2.31E-09
9769	499534.5	3734522	4.887E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
9770	499525.5	3734518	4.866E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	7.33E-10	1.56E-09	0.00E+00	0.00E+00	2.30E-09
9771	499516.5	3734514	4.844E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.93E-09	0.00E+00	0.00E+00	1.38E-08	7.29E-10	1.56E-09	0.00E+00	0.00E+00	2.28E-09
9772	499507.5	3734510	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
9773	499498.6	3734507	4.795E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9774	499489.6	3734503	4.769E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	7.18E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
9775	499480.6	3734499	4.742E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
9776	499471.6	3734495	4.713E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
9777	499462.6	3734492	4.683E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
9778	499453.7	3734488	4.653E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
9779	499444.7	3734484	4.621E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
9780	499435.7	3734480	4.588E-09	8.46E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.30E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
9781	499426.7	3734477	4.554E-09	8.39E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	8.39E-09	0.00E+00	0.00E+00	1.29E-08	6.86E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
9782	499417.8	3734473	4.519E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
9783	499408.8	3734469	4.483E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
9784	499372.9	3734454	4.331E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
9785	499363.9	3734450	4.291E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
9786	499354.9	3734447	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
9787	499345.9	3734443	4.209E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
9788	499337	3734439	4.167E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.68E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9789	499328	3734435	4.125E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.60E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.32E-09	0.00E+00	0.00E+00	1.95E-09
9790	499319	3734432	4.082E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
9791	499310	3734428	4.038E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
9792	499301	3734424	3.994E-09	7.36E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.14E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
9793	499292.1	3734420	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
9794	499283.1	3734416	3.906E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
9795	499274.1	3734413	3.861E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
9796	499265.1	3734409	3.816E-09	7.03E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.03E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
9797	499256.1	3734405	3.771E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
9798	499247.2	3734401	3.726E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
9799	499238.2	3734398	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
9800	499229.2	3734394	3.635E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
9801	499220.2	3734390	3.589E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
9802	499211.3	3734386	3.544E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
9803	499202.3	3734383	3.498E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
9804	499193.3	3734379	3.453E-09	6.36E-09	0.00E+00	0.00E+00	9.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.82E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
9805	499184.3	3734375	3.407E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
9806	499175.3	3734371	3.362E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
9807	499166.4	3734368	3.316E-09	6.11E-09	0.00E+00	0.00E+00	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.11E-09	0.00E+00	0.00E+00	9.43E-09	4.99E-10	1.07E-09	0.00E+00	0.00E+00	1.56E-09
9808	499157.4	3734364	3.271E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
9809	499148.4	3734360	3.226E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
9810	499139.4	3734356	3.181E-09	5.86E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
9811	499130.4	3734353	3.137E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
9812	499121.5	3734349	3.092E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.66E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
9813	499112.5	3734345	3.048E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.67E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
9814	499103.5	3734341	3.005E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	4.52E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
9815	499094.5	3734338	2.962E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.46E-09	0.00E+00	0.00E+00	8.42E-09	4.46E-10	9.51E-10	0.00E+00	0.00E+00	1.40E-09
9816	499085.6	3734334	2.919E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.30E-09	4.39E-10	9.37E-10	0.00E+00	0.00E+00	1.38E-09
9817	499076.6	3734330	2.876E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	4.33E-10	9.24E-10	0.00E+00	0.00E+00	1.36E-09
9818	499063.9	3734317	2.818E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
9819	499060.3	3734308	2.802E-09	5.16E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.97E-09	4.22E-10	9.00E-10	0.00E+00	0.00E+00	1.32E-09
9820	499056.6	3734299	2.785E-09	5.13E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.92E-09	4.19E-10	8.94E-10	0.00E+00	0.00E+00	1.31E-09
9821	499053	3734290	2.768E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.10E-09	0.00E+00	0.00E+00	7.87E-09	4.17E-10	8.89E-10	0.00E+00	0.00E+00	1.31E-09
9822	499049.3	3734281	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	4.14E-10	8.83E-10	0.00E+00	0.00E+00	1.30E-09
9823	499045.6	3734272	2.733E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.04E-09	0.00E+00	0.00E+00	7.77E-09	4.11E-10	8.78E-10	0.00E+00	0.00E+00	1.29E-09
9824	499042	3734263	2.715E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
9825	499038.3	3734254	2.696E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.66E-10	0.00E+00	0.00E+00	1.27E-09
9826	499034.7	3734245	2.678E-09	4.94E-09	0.00E+00	0.00E+00	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.61E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
9827	499031	3734236	2.659E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	4.00E-10	8.54E-10	0.00E+00	0.00E+00	1.25E-09
9828	499027.4	3734227	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.97E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
9829	499023.7	3734218	2.621E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	3.95E-10	8.42E-10	0.00E+00	0.00E+00	1.24E-09
9830	499020	3734209	2.601E-09	4.79E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
9831	499016.4	3734200	2.581E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.89E-10	8.29E-10	0.00E+00	0.00E+00	1.22E-09
9832	499012.7	3734191	2.561E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	3.86E-10	8.23E-10	0.00E+00	0.00E+00	1.21E-09
9833	499009.1	3734182	2.541E-09	4.68E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.23E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
9834	499005.4	3734173	2.521E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.10E-10	0.00E+00	0.00E+00	1.19E-09
9835	499001.7	3734164	2.5E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	3.76E-10	8.03E-10	0.00E+00	0.00E+00	1.18E-09
9836	498998.1	3734155	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.57E-09	0.00E+00	0.00E+00	7.05E-09	3.73E-10	7.96E-10	0.00E+00	0.00E+00	1.17E-09
9837	498994.4	3734146	2.459E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.90E-10	0.00E+00	0.00E+00	1.16E-09
9838	498950.5	3734038	2.207E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
9839	498946.9	3734029	2.186E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
9840	498943.2	3734020	2.165E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
9841	498939.6	3734011	2.144E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
9842	498935.9	3734002	2.123E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.91E-09	0.00E+00	0.00E+00	6.04E-09	3.20E-10	6.82E-10	0.00E+00	0.00E+00	1.00E-09
9843	498932.2	3733993	2.103E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.88E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.75E-10	0.00E+00	0.00E+00	9.92E-10
9844	498928.6	3733984	2.082E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.82E-10
9845	498924.9	3733974	2.062E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.62E-10	0.00E+00	0.00E+00	9.73E-10
9846	498921.3	3733965	2.042E-09	3.76E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.81E-09	3.07E-10	6.56E-10	0.00E+00	0.00E+00	9.63E-10
9847	498917.6	3733956	2.022E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	3.04E-10	6.49E-10	0.00E+00	0.00E+00	9.54E-10
9848	498913.9	3733947	2.001E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.43E-10	0.00E+00	0.00E+00	9.44E-10
9849	498910.3	3733938	1.981E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.35E-10
9850	498906.6	3733929	1.962E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.25E-10
9851	498829.8	3733740	1.597E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.94E-09	0.00E+00	0.00E+00	4.54E-09	2.40E-10	5.13E-10	0.00E+00	0.00E+00	7.53E-10
9852	498826.1	3733731	1.582E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.92E-09	0.00E+00	0.00E+00	4.50E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.46E-10
9853	498822.5	3733722	1.567E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.03E-10	0.00E+00	0.00E+00	7.39E-10
9854	498818.8	3733713	1.552E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.32E-10
9855	498815.2	3733704	1.538E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	2.32E-10	4.94E-10	0.00E+00	0.00E+00	7.26E-10
9856	498811.5	3733695	1.524E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.19E-10
9857	498807.8	3733686	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.85E-10	0.00E+00	0.00E+00	7.12E-10
9858	498804.2	3733677	1.496E-09	2.76E-09	0.00E+00	0.00E+00	4.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.25E-09	2.25E-10	4.80E-10	0.00E+00	0.00E+00	7.06E-10
9859	498796.9	3733659	1.469E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.21E-10	4.72E-10	0.00E+00	0.00E+00	6.93E-10
9860	498760.3	3733569	1.343E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.34E-10
9861	498756.6	3733560	1.332E-09	2.45E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.79E-09	2.00E-10	4.28E-10	0.00E+00	0.00E+00	6.28E-10
9862	498753	3733551	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.23E-10
9863	498749.3	3733542	1.309E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	1.97E-10	4.20E-10	0.00E+00	0.00E+00	6.17E-10
9864	499857.7	3734657	4.689E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
9865	499867.5	3734657	4.681E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
9866	499877.3	3734657	4.673E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
9867	499887.2	3734657	4.663E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.33E-08	7.02E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
9868	499897	3734657	4.652E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
9869	499906.8	3734657	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
9870	499916.6	3734657	4.626E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	6.97E-10	1.49E-09	0.00E+00	0.00E+00	2.18E-09
9871	499926.5	3734657	4.611E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.50E-09	0.00E+00	0.00E+00	1.31E-08	6.94E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
9872	499936.3	3734657	4.596E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
9873	499946.1	3734657	4.58E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	6.90E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
9874	499955.9	3734657	4.563E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.41E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
9875	499965.8	3734657	4.545E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
9876	499975.6	3734657	4.525E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09

9877	499985.4	3734657	4.505E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
9878	499995.2	3734657	4.484E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
9879	500005.1	3734657	4.463E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
9880	500014.9	3734657	4.441E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.09E-09
9881	500024.7	3734657	4.418E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
9882	500034.5	3734657	4.394E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.10E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
9883	500044.4	3734657	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
9884	500054.2	3734657	4.345E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.01E-09	0.00E+00	0.00E+00	1.24E-08	6.54E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
9885	500064	3734657	4.319E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
9886	500073.8	3734657	4.293E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
9887	500083.7	3734657	4.267E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
9888	500093.5	3734657	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.21E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
9889	500103.3	3734658	4.212E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
9890	500113.1	3734658	4.184E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9891	500123	3734658	4.155E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
9892	500132.8	3734658	4.127E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.61E-09	0.00E+00	0.00E+00	1.17E-08	6.21E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
9893	500142.6	3734658	4.097E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
9894	500152.4	3734658	4.068E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
9895	500162.3	3734658	4.038E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
9896	500172.1	3734658	4.008E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
9897	500181.9	3734658	3.977E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
9898	499848.6	3734689	4.518E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
9899	499839.5	3734685	4.544E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
9900	499830.4	3734681	4.569E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
9901	499821.4	3734678	4.592E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.17E-09
9902	499812.3	3734674	4.615E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	6.95E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
9903	499803.3	3734670	4.637E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	6.98E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
9904	499794.2	3734666	4.658E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.59E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
9905	499785.1	3734662	4.678E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
9906	499776.1	3734659	4.697E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
9907	499767	3734655	4.715E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
9908	499758	3734651	4.732E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
9909	499748.9	3734647	4.747E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
9910	499739.8	3734643	4.762E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	7.17E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
9911	499730.8	3734640	4.775E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
9912	499721.7	3734636	4.786E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9913	499712.7	3734632	4.797E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9914	499703.6	3734628	4.806E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
9915	499694.5	3734624	4.814E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.25E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
9916	499685.5	3734621	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
9917	499676.4	3734617	4.825E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9918	499667.4	3734613	4.829E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9919	499658.3	3734609	4.831E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9920	499649.2	3734606	4.832E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9921	499640.2	3734602	4.831E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9922	499631.1	3734598	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9923	499622.1	3734594	4.826E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
9924	499613	3734590	4.821E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.89E-09	0.00E+00	0.00E+00	1.37E-08	7.26E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
9925	499603.9	3734587	4.815E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	8.88E-09	0.00E+00	0.00E+00	1.37E-08	7.25E-10	1.55E-09	0.00E+00	0.00E+00	2.27E-09
9926	499594.9	3734583	4.808E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.86E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
9927	499585.8	3734579	4.799E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.84E-09	0.00E+00	0.00E+00	1.36E-08	7.22E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9928	499576.8	3734575	4.788E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
9929	499549.6	3734564	4.748E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
9930	499540.5	3734560	4.732E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.72E-09	0.00E+00	0.00E+00	1.35E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
9931	499477.1	3734533	4.585E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.45E-09	0.00E+00	0.00E+00	1.30E-08	6.90E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
9932	499468	3734530	4.559E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	6.86E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
9933	499459	3734526	4.532E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.35E-09	0.00E+00	0.00E+00	1.29E-08	6.82E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
9934	499449.9	3734522	4.504E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
9935	499440.9	3734518	4.475E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
9936	499431.8	3734514	4.445E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
9937	499422.7	3734511	4.414E-09	8.14E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.14E-09	0.00E+00	0.00E+00	1.25E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
9938	499413.7	3734507	4.382E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
9939	499368.4	3734488	4.208E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
9940	499359.3	3734484	4.172E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
9941	499350.3	3734480	4.134E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
9942	499341.2	3734477	4.095E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
9943	499332.1	3734473	4.056E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
9944	499323.1	3734469	4.017E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
9945	499314	3734465	3.977E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
9946	499305	3734461	3.936E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.26E-09	0.00E+00	0.00E+00	1.86E-09
9947	499295.9	3734458	3.896E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
9948	499286.8	3734454	3.854E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
9949	499277.8	3734450	3.813E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.03E-09	0.00E+00	0.00E+00	1.08E-08	5.74E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
9950	499268.7	3734446	3.771E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
9951	499259.7	3734442	3.729E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
9952	499250.6	3734439	3.686E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.79E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
9953	499241.5	3734435	3.643E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
9954	499232.5	3734431	3.601E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
9955	499223.4	3734427	3.558E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.56E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
9956	499214.3	3734423	3.515E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.48E-09	0.00E+00	0.00E+00	9.99E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
9957	499205.3	3734420	3.471E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
9958	499196.2	3734416	3.428E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
9959	499187.2	3734412	3.385E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.62E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
9960	499178.1	3734408	3.342E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
9961	499169	3734404	3.299E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
9962	499160	3734401	3.256E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.00E-09	0.00E+00	0.00E+00	9.26E-09	4.90E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
9963	499150.9	3734397	3.213E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
9964	499141.9	3734393	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
9965	499132.8	3734389	3.127E-09	5.76E-09	0.00E+00	0.00E+00	8.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.76E-09	0.00E+00	0.00E+00	8.89E-09	4.71E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
9966	499123.7	3734386	3.084E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
9967	499114.7	3734382	3.042E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.43E-09
9968	499105.6	3734378	3E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.53E-09	0.00E+00	0.00E+00	8.53E-09	4.52E-10	9.63E-10	0.00E+00	0.00E+00	1.41E-09
9969	499096.6	3734374	2.958E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	4.45E-10	9.50E-10	0.00E+00	0.00E+00	1.40E-09
9970	499087.5	3734370	2.916E-09	5.38E-09	0.00E+00	0.00E+00	8.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.29E-09	4.39E-10	9.37E-10	0.00E+00	0.00E+00	1.38E-09
9971	499078.4	3734367	2.875E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
9972	499069.4	3734363	2.834E-09	5.22E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.22E-09	0.00E+00	0.00E+00	8.06E-09	4.27E-10	9.10E-10	0.00E+00	0.00E+00	1.34E-09
9973	499060.3	3734359	2.794E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.15E-09	0.00E+00	0.00E+00	7.94E-09	4.21E-10	8.97E-10	0.00E+00	0.00E+00	1.32E-09
9974	499051.3	3734355	2.753E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	4.15E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
9975	499038.5	3734342	2.698E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
9976	499034.8	3734333	2.683E-09	4.94E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.94E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
9977	499031.1	3734324	2.667E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.58E-09	4.02E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
9978	499027.4	3734315	2.651E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
9979	499023.7	3734306	2.634E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	3.97E-10	8.46E-10	0.00E+00	0.00E+00	1.24E-09
9980	499020.1	3734297	2.617E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.41E-10	0.00E+00	0.00E+00	1.23E-09
9981	499016.4	3734288	2.6E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.91E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
9982	499012.7	3734279	2.583E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.89E-10	8.29E-10	0.00E+00	0.00E+00	1.22E-09
9983	499009	3734269	2.565E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09
9984	499005.3	3734260	2.547E-09	4.70E-09	0.00E+00	0.00E+00	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.24E-09	3.84E-10	8.18E-10	0.00E+00	0.00E+00	1.20E-09
9985	499001.6	3734251	2.529E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
9986	498997.9	3734242	2.511E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
9987	498994.2	3734233	2.492E-09	4.59E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.09E-09	3.75E-10	8.00E-10	0.00E+00	0.00E+00	1.18E-09
9988	498990.5	3734224	2.474E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	3.72E-10	7.94E-10	0.00E+00	0.00E+00	1.17E-09
9989	498986.8	3734215	2.455E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.98E-09	3.70E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
9990	498983.1	3734206	2.436E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
9991	498979.4	3734197	2.416E-09	4.45E-09	0.00E+00	0.00E+00	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.45E-09	0.00E+00	0.00E+00	6.87E-09	3.64E-10	7.76E-10	0.00E+00	0.00E+00	1.14E-09
9992	498975.8	3734188	2.397E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.70E-10	0.00E+00	0.00E+00	1.13E-09
9993	498957.3	3734142	2.299E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
9994	498953.6	3734133	2.279E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.32E-10	0.00E+00	0.00E+00	1.07E-09
9995	498949.9	3734124	2.259E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.07E-09
9996	498946.2	3734115	2.239E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
9997	498942.5	3734106	2.219E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
9998	498938.8	3734097	2.199E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	3.31E-10	7.06E-10	0.00E+00	0.00E+00	1.04E-09
9999	498909.3	3734024	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
10000	498905.6	3734015	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.49E-10	0.00E+00	0.00E+00	9.53E-10
10001	498901.9	3734006	2.001E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.43E-10	0.00E+00	0.00E+00	9.44E-10
10002	498898.2	3733996	1.982E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.35E-10
10003	498894.5	3733987	1.963E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.26E-10
10004	498890.8	3733978	1.944E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.24E-10	0.00E+00	0.00E+00	9.17E-10
10005	498887.2	3733969	1.925E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.08E-10
10006	498883.5	3733960	1.906E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	8.99E-10

10007	498879.8	3733951	1.887E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.37E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.90E-10
10008	498876.1	3733942	1.869E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	6.00E-10	0.00E+00	0.00E+00	8.82E-10
10009	498872.4	3733933	1.851E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.79E-10	5.94E-10	0.00E+00	0.00E+00	8.73E-10
10010	498794.9	3733742	1.513E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.14E-10
10011	498791.2	3733732	1.499E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
10012	498787.5	3733723	1.485E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.01E-10
10013	498783.8	3733714	1.472E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.18E-09	2.22E-10	4.73E-10	0.00E+00	0.00E+00	6.94E-10
10014	498780.1	3733705	1.458E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.15E-09	2.20E-10	4.68E-10	0.00E+00	0.00E+00	6.88E-10
10015	498776.4	3733696	1.445E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.66E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.82E-10
10016	498772.7	3733687	1.432E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	2.16E-10	4.60E-10	0.00E+00	0.00E+00	6.76E-10
10017	498769	3733678	1.419E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	2.14E-10	4.56E-10	0.00E+00	0.00E+00	6.70E-10
10018	498765.3	3733669	1.407E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.64E-10
10019	498761.6	3733660	1.394E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.48E-10	0.00E+00	0.00E+00	6.58E-10
10020	498757.9	3733651	1.382E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.52E-10
10021	498754.2	3733641	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	2.06E-10	4.40E-10	0.00E+00	0.00E+00	6.46E-10
10022	498750.6	3733632	1.358E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.36E-10	0.00E+00	0.00E+00	6.40E-10
10023	498746.9	3733623	1.346E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.32E-10	0.00E+00	0.00E+00	6.35E-10
10024	498743.2	3733614	1.334E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.29E-10
10025	498739.5	3733605	1.323E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.24E-10
10026	498735.8	3733596	1.311E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.97E-10	4.21E-10	0.00E+00	0.00E+00	6.19E-10
10027	498732.1	3733587	1.3E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
10028	498728.4	3733578	1.289E-09	2.38E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
10029	498724.7	3733569	1.278E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.03E-10
10030	498721	3733560	1.267E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.98E-10
10031	498717.3	3733550	1.256E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.93E-10
10032	498713.6	3733541	1.246E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.54E-09	1.88E-10	4.00E-10	0.00E+00	0.00E+00	5.88E-10
10033	499857.6	3734693	4.492E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
10034	499867.4	3734693	4.484E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
10035	499877.3	3734693	4.475E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.25E-09	0.00E+00	0.00E+00	1.27E-08	6.74E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
10036	499887.1	3734693	4.465E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
10037	499896.9	3734693	4.454E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.21E-09	0.00E+00	0.00E+00	1.27E-08	6.71E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
10038	499906.7	3734693	4.443E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
10039	499916.6	3734693	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
10040	499926.4	3734693	4.415E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.14E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
10041	499936.2	3734693	4.401E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10042	499946	3734693	4.385E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
10043	499955.9	3734693	4.369E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
10044	499965.7	3734693	4.352E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	6.55E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
10045	499975.5	3734693	4.334E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.99E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
10046	499985.3	3734693	4.315E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
10047	499995.2	3734693	4.295E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
10048	500005	3734693	4.275E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
10049	500014.8	3734693	4.254E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.84E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
10050	500024.6	3734693	4.232E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
10051	500034.5	3734693	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
10052	500044.3	3734693	4.187E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.72E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.98E-09
10053	500054.1	3734693	4.164E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.27E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
10054	500063.9	3734693	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
10055	500073.8	3734693	4.115E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	6.20E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
10056	500083.6	3734693	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.54E-09	0.00E+00	0.00E+00	1.16E-08	6.16E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
10057	500093.4	3734693	4.065E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
10058	500103.2	3734693	4.039E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.44E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
10059	500113.1	3734693	4.013E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
10060	500122.9	3734693	3.986E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
10061	500132.7	3734693	3.959E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
10062	500142.5	3734693	3.932E-09	7.25E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	7.25E-09	0.00E+00	0.00E+00	1.12E-08	5.92E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
10063	500152.4	3734693	3.904E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
10064	500162.2	3734693	3.877E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
10065	500172	3734693	3.848E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
10066	500181.8	3734693	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
10067	500225.1	3733565	3.112E-08	5.74E-08	0.00E+00	0.00E+00	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-08	5.74E-08	0.00E+00	0.00E+00	8.85E-08	4.69E-09	9.99E-09	0.00E+00	0.00E+00	1.47E-08
10068	500233.9	3733534	3.088E-08	5.69E-08	0.00E+00	0.00E+00	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	5.69E-08	0.00E+00	0.00E+00	8.78E-08	4.65E-09	9.92E-09	0.00E+00	0.00E+00	1.46E-08
10069	500233.9	3733524	3.168E-08	5.84E-08	0.00E+00	0.00E+00	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-08	5.84E-08	0.00E+00	0.00E+00	9.01E-08	4.77E-09	1.02E-08	0.00E+00	0.00E+00	1.49E-08
10070	500234	3733514	3.256E-08	6.00E-08	0.00E+00	0.00E+00	9.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-08	6.00E-08	0.00E+00	0.00E+00	9.26E-08	4.90E-09	1.05E-08	0.00E+00	0.00E+00	1.54E-08
10071	500234	3733505	3.355E-08	6.18E-08	0.00E+00	0.00E+00	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-08	6.18E-08	0.00E+00	0.00E+00	9.54E-08	5.05E-09	1.08E-08	0.00E+00	0.00E+00	1.58E-08
10072	500234	3733495	3.461E-08	6.38E-08	0.00E+00	0.00E+00	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-08	6.38E-08	0.00E+00	0.00E+00	9.84E-08	5.21E-09	1.11E-08	0.00E+00	0.00E+00	1.63E-08
10073	500234	3733485	3.567E-08	6.57E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-08	6.57E-08	0.00E+00	0.00E+00	1.01E-07	5.37E-09	1.15E-08	0.00E+00	0.00E+00	1.68E-08
10074	500234	3733475	3.673E-08	6.77E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-08	6.77E-08	0.00E+00	0.00E+00	1.04E-07	5.53E-09	1.18E-08	0.00E+00	0.00E+00	1.73E-08
10075	500234	3733466	3.773E-08	6.95E-08	0.00E+00	0.00E+00	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-08	6.95E-08	0.00E+00	0.00E+00	1.07E-07	5.68E-09	1.21E-08	0.00E+00	0.00E+00	1.78E-08
10076	500234	3733456	3.867E-08	7.13E-08	0.00E+00	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-08	7.13E-08	0.00E+00	0.00E+00	1.10E-07	5.82E-09	1.24E-08	0.00E+00	0.00E+00	1.82E-08
10077	500234	3733446	3.961E-08	7.30E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-08	7.30E-08	0.00E+00	0.00E+00	1.13E-07	5.96E-09	1.27E-08	0.00E+00	0.00E+00	1.87E-08
10078	500234	3733436	4.05E-08	7.46E-08	0.00E+00	0.00E+00	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-08	7.46E-08	0.00E+00	0.00E+00	1.15E-07	6.10E-09	1.30E-08	0.00E+00	0.00E+00	1.91E-08
10079	500234	3733427	4.132E-08	7.62E-08	0.00E+00	0.00E+00	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-08	7.62E-08	0.00E+00	0.00E+00	1.17E-07	6.22E-09	1.33E-08	0.00E+00	0.00E+00	1.95E-08
10080	500234.1	3733417	4.209E-08	7.76E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-08	7.76E-08	0.00E+00	0.00E+00	1.20E-07	6.34E-09	1.35E-08	0.00E+00	0.00E+00	1.99E-08
10081	500234.1	3733407	4.279E-08	7.89E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-08	7.89E-08	0.00E+00	0.00E+00	1.22E-07	6.44E-09	1.37E-08	0.00E+00	0.00E+00	2.02E-08
10082	500234.1	3733378	4.453E-08	8.21E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-08	8.21E-08	0.00E+00	0.00E+00	1.27E-07	6.70E-09	1.43E-08	0.00E+00	0.00E+00	2.10E-08
10083	500234.1	3733368	4.499E-08	8.29E-08	0.00E+00	0.00E+00	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-08	8.29E-08	0.00E+00	0.00E+00	1.28E-07	6.77E-09	1.44E-08	0.00E+00	0.00E+00	2.12E-08
10084	500234.1	3733359	4.539E-08	8.37E-08	0.00E+00	0.00E+00	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-08	8.37E-08	0.00E+00	0.00E+00	1.29E-07	6.83E-09	1.46E-08	0.00E+00	0.00E+00	2.14E-08
10085	500234.1	3733349	4.573E-08	8.43E-08	0.00E+00	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-08	8.43E-08	0.00E+00	0.00E+00	1.30E-07	6.89E-09	1.47E-08	0.00E+00	0.00E+00	2.16E-08
10086	500234.1	3733339	4.601E-08	8.48E-08	0.00E+00	0.00E+00	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-08	8.48E-08	0.00E+00	0.00E+00	1.31E-07	6.93E-09	1.48E-08	0.00E+00	0.00E+00	2.17E-08
10087	500234.1	3733330	4.625E-08	8.52E-08	0.00E+00	0.00E+00	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-08	8.52E-08	0.00E+00	0.00E+00	1.31E-07	6.96E-09	1.49E-08	0.00E+00	0.00E+00	2.18E-08
10088	500234.2	3733320	4.643E-08	8.56E-08	0.00E+00	0.00E+00	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-08	8.56E-08	0.00E+00	0.00E+00	1.32E-07	6.99E-09	1.49E-08	0.00E+00	0.00E+00	2.19E-08
10089	500234.2	3733310	4.655E-08	8.58E-08	0.00E+00	0.00E+00	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-08	8.58E-08	0.00E+00	0.00E+00	1.32E-07	7.01E-09	1.50E-08	0.00E+00	0.00E+00	2.20E-08
10090	500234.2	3733300	4.662E-08	8.59E-08	0.00E+00	0.00E+00	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-08	8.59E-08	0.00E+00	0.00E+00	1.33E-07	7.02E-09	1.50E-08	0.00E+00	0.00E+00	2.20E-08
10091	500234.2	3733291	4.662E-08	8.59E-08	0.00E+00	0.00E+00	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-08	8.59E-08	0.00E+00	0.00E+00	1.33E-07	7.02E-09	1.50E-08	0.00E+00	0.00E+00	2.20E-08
10092	500234.2	3733281	4.656E-08	8.58E-08	0.00E+00	0.00E+00	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-08	8.58E-08	0.00E+00	0.00E+00	1.32E-07	7.01E-09	1.50E-08	0.00E+00	0.00E+00	2.20E-08
10093	500234.2	3733271	4.644E-08	8.56E-08	0.00E+00	0.00E+00	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-08	8.56E-08	0.00E+00	0.00E+00	1.32E-07	6.99E-09	1.49E-08	0.00E+00	0.00E+00	2.19E-08
10094	500234.2	3733261	4.625E-08	8.53E-08	0.00E+00	0.00E+00	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-08	8.53E-08	0.00E+00	0.00E+00	1.32E-07	6.96E-09	1.49E-08	0.00E+00	0.00E+00	2.18E-08
10095	500234.2	3733252	4.602E-08	8.48E-08	0.00E+00	0.00E+00	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-08	8.48E-08	0.00E+00	0.00E+00	1.31E-07	6.93E-09	1.48E-08	0.00E+00	0.00E+00	2.17E-08
10096	500234.2	3733242	4.573E-08	8.43E-08	0.00E+00	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-08	8.43E-08	0.00E+00	0.00E+00	1.30E-07	6.89E-09	1.47E-08	0.00E+00	0.00E+00	2.16E-08
10097	500234.2	3733232	4.541E-08	8.37E-08	0.00E+00	0.00E+00	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-08	8.37E-08	0.00E+00	0.00E+00	1.29E-07	6.84E-09	1.46E-08	0.00E+00	0.00E+00	2.14E-08
10098	500234.3	3733223	4.505E-08	8.30E-08	0.00E+00	0.00E+00	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-08	8.30E-08	0.00E+00	0.00E+00	1.28E-07	6.78E-09	1.45E-08	0.00E+00	0.00E+00	2.12E-08
10099	500234.3	3733213	4.465E-08	8.23E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-08	8.23E-08	0.00E+00	0.00E+00	1.27E-07	6.72E-09	1.43E-08	0.00E+00	0.00E+00	2.11E-08
10100	500234.3	3733203	4.419E-08	8.15E-08	0.00E+00	0.00E+00	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-08	8.15E-08	0.00E+00	0.00E+00	1.26E-07	6.65E-09	1.42E-08	0.00E+00	0.00E+00	2.08E-08
10101	500246.9	3733560	2.555E-08	4.71E-08	0.00E+00	0.00E+00	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-08	4.71E-08	0.00E+00	0.00E+00	7.26E-08	3.85E-09	8.20E-09	0.00E+00	0.00E+00	1.21E-08
10102	500243.3	3733569	2.588E-08	4.77E-08	0.00E+00	0.00E+00	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	4.77E-08	0.00E+00	0.00E+00	7.36E-08	3.90E-09	8.31E-09	0.00E+00	0.00E+00	1.22E-08
10103	500239.8	3733577	2.616E-08	4.82E-08	0.00E+00	0.00E+00	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.82E-08	0.00E+00	0.00E+00	7.44E-08	3.94E-09	8.40E-09	0.00E+00	0.00E+00	1.23E-08
10104	500227.8	3733589	2.804E-08	5.17E-08	0.00E+00	0.00E+00	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	5.17E-08	0.00E+00	0.00E+00	7.97E-08	4.22E-09	9.01E-09	0.00E+00	0.00E+00	1.32E-08
10105	500219.3	3733593	2.98E-08	5.49E-08	0.00E+00	0.00E+00	8.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	5.49E-08	0.00E+00	0.00E+00	8.47E-08	4.49E-09	9.57E-09	0.00E+00	0.00E+00	1.41E-08
10106	500254.1	3733378	3.431E-08	6.32E-08	0.00E+00	0.00E+00	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-08	6.32E-08	0.00E+00	0.00E+00	9.75E-08	5.17E-09	1.10E-08	0.00E+00	0.00E+00	1.62E-08
10107	500254.1	3733368	3.47E-08	6.40E-08	0.00E+00	0.00E+00	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-08	6.40E-08	0.00E+00	0.00E+00	9.87E-08	5.22E-09	1.11E-08	0.00E+00	0.00E+00	1.64E-08
10108	500254.1	3733359	3.503E-08	6.46E-08	0.00E+00	0.00E+00	9.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-08	6.46E-08	0.00E+00	0.00E+00	9.96E-08	5.27E-09	1.12E-08	0.00E+00	0.00E+00	1.65E-08
10109	500254.1	3733349	3.531E-08	6.51E-08	0.00E+00	0.00E+00	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-08	6.51E-08	0.00E+00	0.00E+00	1.00E-07	5.32E-09	1.13E-08	0.00E+00	0.00E+00	1.67E-08
10110	500254.1	3733339	3.555E-08	6.55E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-08	6.55E-08	0.00E+00	0.00E+00	1.01E-07	5.35E-09	1.14E-08	0.00E+00	0.00E+00	1.68E-08
10111	500254.1	3733330	3.579E-08	6.60E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-08	6.60E-08	0.00E+00	0.00E+00	1.02E-07	5.39E-09	1.15E-08	0.00E+00	0.00E+00	1.69E-08
10112	500254.2	3733320	3.601E-08	6.64E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-08	6.64E-08	0.00E+00	0.00E+00	1.02E-07	5.42E-09	1.16E-08	0.00E+00	0.00E+00	1.70E-08
10113	500254.2	3733310	3.619E-08	6.67E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-08	6.67E-08	0.00E+00	0.00E+00	1.03E-07	5.45E-09	1.16E-08	0.00E+00	0.00E+00	1.71E-08
10114	500254.2	3733300	3.631E-08	6.69E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-08	6.69E-08	0.00E+00	0.00E+00	1.03E-07	5.47E-09	1.17E-08	0.00E+00	0.00E+00	1.71E-08
10115	500254.2	3733291	3.638E-08	6.71E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-08	6.71E-08	0.00E+00	0.00E+00	1.03E-07	5.48E-09	1.17E-08	0.00E+00	0.00E+00	1.72E-08
10116	500254.2	3733281	3.641E-08	6.71E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-08	6.71E-08	0.00E+00	0.00E+00	1.04E-07	5.48E-09	1.17E-08	0.00E+00	0.00E+00	1.72E-08
10117	500254.2	3733271	3.639E-08	6.71E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-08	6.71E-08	0.00E+00	0.00E+00	1.03E-07	5.48E-09	1.17E-08	0.00E+00	0.00E+00	1.72E-08
10118	500254.2	3733261	3.632E-08	6.69E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-08	6.69E-08	0.00E+00	0.00E+00	1.03E-07	5.47E-09	1.17E-08	0.00E+00	0.00E+00	1.71E-08
10119	500254.2	3733252	3.622E-08	6.68E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-08	6.68E-08	0.00E+00	0.00E+00	1.03E-07	5.45E-09	1.16E-08	0.00E+00	0.00E+00	1.71E-08
10120	500254.2	3733242	3.61E-08	6.65E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-08	6.65E-08	0.00E+00	0.00E+00	1.03E-07	5.44E-09	1.16E-08	0.00E+00	0.00E+00	1.70E-08
10121	500254.2	3733232	3.6E-08	6.64E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-08	6.64E-08	0.00E+00	0.00E+00	1.02E-07	5.42E-09	1.16E-08	0.00E+00	0.00E+00	1.70E-08
10122	500254.3	3733223	3.587E-08	6.61E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08	6.61E-08	0.00E+00	0.00E+00	1.02E-07	5.40E-09	1.15E-08	0.00E+00	0.00E+00	1.69E-08
10123	500270.6	3733552	2.121E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	3.19E-09	6.81E-09	0.00E+00	0.00E+00	1.00E-08
10124	500242.3	3733603	2.399E-08	4.42E-08	0.00E+00	0.00E+00	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-08	4.42E-08	0.00E+00	0.00E+00	6.82E-08	3.61E-09	7.70E-09	0.00E+00	0.00E+00	1.13E-08
10125	500226.1	3733610	2.659E-08	4.90E-08	0.00E+00	0.00E+00	7.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.90E-08	0.00E+00	0.00E+00	7.56E-08	4.00E-09	8.54E-09	0.00E+00	0.00E+00	1.25E-08
10126	500273.9	3733534	2.116E-08	3.90E-08	0.00E+00	0.00E+00	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.90E-08	0.00E+00	0.00E+00	6.02E-08	3.19E-09	6.80E-09	0.00E+00	0.00E+00	9.98E-09
10127	500274	3733505	2.21E-08	4.07E-08	0.00E+00	0.00E+00	6.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	4.07E-08	0.00E+00	0.00E+00	6.28E-08	3.33E-09	7.10E-09	0.00E+00	0.00E+00	1.04E-08
10128	500274	3733495	2.246E-08	4.14E-08	0.00E+00	0.00E+00	6.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	4.14E-08	0.00E+00	0.00E+00	6.38E-08	3.38E-09	7.21E-09	0.00E+00	0.00E+00	1.06E-08
10129	500274	3733485	2.284E-08	4.21E-08	0.00E+00	0.00E+00	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	4.21E-08	0.00E+00	0.00E+00	6.49E-08	3.44E-09	7.33E-09	0.00E+00	0.00E+00	1.08E-08
10130	500274	3733475	2.325E-08	4.28E-08	0.00E+00	0.00E+00	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	4.28E-08	0.00E+00	0.00E+00	6.61E-08	3.50E-09	7.46E-09	0.00E+00	0.00E+00	1.10E-08
10131	500274	3733466	2.367E-08	4.36E-08	0.00E+00	0.00E+00	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	4.36E-08	0.00E+00	0.00E+00	6.73E-08	3.56E-09	7.60E-09	0.00E+00	0.00E+00	1.12E-08
10132	500274	3733456	2.41E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	3.63E-09	7.74E-09	0.00E+00	0.00E+00	1.14E-08
10133	500274	3733446	2.454E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	3.69E-09	7.88E-09	0.00E+00	0.00E+00	1.16E-08
10134	500274.1	3733417	2.583E-08	4.76E-08	0.00E+00	0.00E+00	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-08	4.76E-08	0.00E+00	0.00E+00	7.35E-08	3.89E-09	8.30E-09	0.00E+00	0.00E+00	1.22E-08
10135	500274.1	3733407	2.624E-08	4.84E-08	0.00E+00	0.00E+00	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	4.84E-08	0.00E+00	0.00E+00	7.46E-08	3.95E-09	8.43E-09	0.00E+00	0.00E+00	1.24E-08
10136	500274.1	3733398	2.663E-08	4.91E-08	0.00E+00	0.00E+00	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	4.91E-08	0.00E+00	0.00E+00	7.57E-08	4.01E-09	8.55E-09	0.00E+00	0.00E+00	1.26E-08

10137	500274.1	3733388	2.699E-08	4.98E-08	0.00E+00	0.00E+00	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-08	4.98E-08	0.00E+00	0.00E+00	7.67E-08	4.06E-09	8.67E-09	0.00E+00	0.00E+00	1.27E-08
10138	500274.1	3733378	2.733E-08	5.04E-08	0.00E+00	0.00E+00	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-08	5.04E-08	0.00E+00	0.00E+00	7.77E-08	4.11E-09	8.78E-09	0.00E+00	0.00E+00	1.29E-08
10139	500274.1	3733368	2.764E-08	5.10E-08	0.00E+00	0.00E+00	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-08	5.10E-08	0.00E+00	0.00E+00	7.86E-08	4.16E-09	8.88E-09	0.00E+00	0.00E+00	1.30E-08
10140	500274.1	3733339	2.842E-08	5.24E-08	0.00E+00	0.00E+00	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-08	5.24E-08	0.00E+00	0.00E+00	8.08E-08	4.28E-09	9.13E-09	0.00E+00	0.00E+00	1.34E-08
10141	500274.1	3733330	2.864E-08	5.28E-08	0.00E+00	0.00E+00	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-08	5.28E-08	0.00E+00	0.00E+00	8.14E-08	4.31E-09	9.20E-09	0.00E+00	0.00E+00	1.35E-08
10142	500274.2	3733320	2.884E-08	5.32E-08	0.00E+00	0.00E+00	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-08	5.32E-08	0.00E+00	0.00E+00	8.20E-08	4.34E-09	9.26E-09	0.00E+00	0.00E+00	1.36E-08
10143	500274.2	3733310	2.902E-08	5.35E-08	0.00E+00	0.00E+00	8.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-08	5.35E-08	0.00E+00	0.00E+00	8.25E-08	4.37E-09	9.32E-09	0.00E+00	0.00E+00	1.37E-08
10144	500274.2	3733300	2.917E-08	5.38E-08	0.00E+00	0.00E+00	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	5.38E-08	0.00E+00	0.00E+00	8.29E-08	4.39E-09	9.37E-09	0.00E+00	0.00E+00	1.38E-08
10145	500274.2	3733291	2.928E-08	5.40E-08	0.00E+00	0.00E+00	8.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-08	5.40E-08	0.00E+00	0.00E+00	8.32E-08	4.41E-09	9.40E-09	0.00E+00	0.00E+00	1.38E-08
10146	500274.2	3733281	2.936E-08	5.41E-08	0.00E+00	0.00E+00	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	5.41E-08	0.00E+00	0.00E+00	8.35E-08	4.42E-09	9.43E-09	0.00E+00	0.00E+00	1.38E-08
10147	500274.2	3733252	2.944E-08	5.43E-08	0.00E+00	0.00E+00	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	5.43E-08	0.00E+00	0.00E+00	8.37E-08	4.43E-09	9.45E-09	0.00E+00	0.00E+00	1.39E-08
10148	500274.2	3733242	2.943E-08	5.43E-08	0.00E+00	0.00E+00	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	5.43E-08	0.00E+00	0.00E+00	8.37E-08	4.43E-09	9.45E-09	0.00E+00	0.00E+00	1.39E-08
10149	500274.2	3733232	2.942E-08	5.42E-08	0.00E+00	0.00E+00	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	5.42E-08	0.00E+00	0.00E+00	8.37E-08	4.43E-09	9.45E-09	0.00E+00	0.00E+00	1.39E-08
10150	500274.3	3733223	2.94E-08	5.42E-08	0.00E+00	0.00E+00	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	5.42E-08	0.00E+00	0.00E+00	8.36E-08	4.43E-09	9.44E-09	0.00E+00	0.00E+00	1.39E-08
10151	500290.3	3733552	1.822E-08	3.36E-08	0.00E+00	0.00E+00	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	3.36E-08	0.00E+00	0.00E+00	5.18E-08	2.74E-09	5.85E-09	0.00E+00	0.00E+00	8.59E-09
10152	500286.6	3733561	1.853E-08	3.42E-08	0.00E+00	0.00E+00	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.42E-08	0.00E+00	0.00E+00	5.27E-08	2.79E-09	5.95E-09	0.00E+00	0.00E+00	8.74E-09
10153	500282.9	3733570	1.883E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	2.83E-09	6.05E-09	0.00E+00	0.00E+00	8.88E-09
10154	500279.2	3733579	1.911E-08	3.52E-08	0.00E+00	0.00E+00	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	3.52E-08	0.00E+00	0.00E+00	5.43E-08	2.88E-09	6.14E-09	0.00E+00	0.00E+00	9.02E-09
10155	500275.6	3733588	1.937E-08	3.57E-08	0.00E+00	0.00E+00	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.57E-08	0.00E+00	0.00E+00	5.51E-08	2.92E-09	6.22E-09	0.00E+00	0.00E+00	9.14E-09
10156	500255.7	3733618	2.107E-08	3.88E-08	0.00E+00	0.00E+00	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	3.88E-08	0.00E+00	0.00E+00	5.99E-08	3.17E-09	6.77E-09	0.00E+00	0.00E+00	9.94E-09
10157	500246.8	3733622	2.219E-08	4.09E-08	0.00E+00	0.00E+00	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	4.09E-08	0.00E+00	0.00E+00	6.31E-08	3.34E-09	7.13E-09	0.00E+00	0.00E+00	1.05E-08
10158	500238	3733625	2.335E-08	4.30E-08	0.00E+00	0.00E+00	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	4.30E-08	0.00E+00	0.00E+00	6.64E-08	3.52E-09	7.50E-09	0.00E+00	0.00E+00	1.10E-08
10159	500229.1	3733629	2.453E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	3.69E-09	7.88E-09	0.00E+00	0.00E+00	1.16E-08
10160	500220.3	3733632	2.573E-08	4.74E-08	0.00E+00	0.00E+00	7.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-08	4.74E-08	0.00E+00	0.00E+00	7.31E-08	3.87E-09	8.26E-09	0.00E+00	0.00E+00	1.21E-08
10161	500293.9	3733544	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	2.70E-09	5.75E-09	0.00E+00	0.00E+00	8.45E-09
10162	500293.9	3733534	1.809E-08	3.33E-08	0.00E+00	0.00E+00	5.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	3.33E-08	0.00E+00	0.00E+00	5.14E-08	2.72E-09	5.81E-09	0.00E+00	0.00E+00	8.53E-09
10163	500294	3733505	1.869E-08	3.45E-08	0.00E+00	0.00E+00	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	3.45E-08	0.00E+00	0.00E+00	5.31E-08	2.81E-09	6.00E-09	0.00E+00	0.00E+00	8.82E-09
10164	500294	3733495	1.892E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	2.85E-09	6.08E-09	0.00E+00	0.00E+00	8.92E-09
10165	500294	3733485	1.916E-08	3.53E-08	0.00E+00	0.00E+00	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	3.53E-08	0.00E+00	0.00E+00	5.45E-08	2.89E-09	6.15E-09	0.00E+00	0.00E+00	9.04E-09
10166	500294	3733475	1.943E-08	3.58E-08	0.00E+00	0.00E+00	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.52E-08	2.92E-09	6.24E-09	0.00E+00	0.00E+00	9.16E-09
10167	500294	3733466	1.97E-08	3.63E-08	0.00E+00	0.00E+00	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.63E-08	0.00E+00	0.00E+00	5.60E-08	2.97E-09	6.33E-09	0.00E+00	0.00E+00	9.29E-09
10168	500294	3733456	1.999E-08	3.68E-08	0.00E+00	0.00E+00	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.68E-08	0.00E+00	0.00E+00	5.68E-08	3.01E-09	6.42E-09	0.00E+00	0.00E+00	9.43E-09
10169	500294	3733446	2.029E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	3.05E-09	6.51E-09	0.00E+00	0.00E+00	9.57E-09
10170	500294.1	3733417	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	3.19E-09	6.81E-09	0.00E+00	0.00E+00	1.00E-08
10171	500294.1	3733407	2.15E-08	3.96E-08	0.00E+00	0.00E+00	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.96E-08	0.00E+00	0.00E+00	6.11E-08	3.24E-09	6.90E-09	0.00E+00	0.00E+00	1.01E-08
10172	500294.1	3733398	2.179E-08	4.02E-08	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	4.02E-08	0.00E+00	0.00E+00	6.20E-08	3.28E-09	7.00E-09	0.00E+00	0.00E+00	1.03E-08
10173	500294.1	3733388	2.207E-08	4.07E-08	0.00E+00	0.00E+00	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	4.07E-08	0.00E+00	0.00E+00	6.27E-08	3.32E-09	7.09E-09	0.00E+00	0.00E+00	1.04E-08
10174	500294.1	3733378	2.232E-08	4.11E-08	0.00E+00	0.00E+00	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	4.11E-08	0.00E+00	0.00E+00	6.35E-08	3.36E-09	7.17E-09	0.00E+00	0.00E+00	1.05E-08
10175	500294.1	3733368	2.257E-08	4.16E-08	0.00E+00	0.00E+00	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	4.16E-08	0.00E+00	0.00E+00	6.42E-08	3.40E-09	7.25E-09	0.00E+00	0.00E+00	1.06E-08
10176	500294.1	3733339	2.326E-08	4.29E-08	0.00E+00	0.00E+00	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	4.29E-08	0.00E+00	0.00E+00	6.61E-08	3.50E-09	7.47E-09	0.00E+00	0.00E+00	1.10E-08
10177	500294.1	3733330	2.346E-08	4.32E-08	0.00E+00	0.00E+00	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-08	4.32E-08	0.00E+00	0.00E+00	6.67E-08	3.53E-09	7.53E-09	0.00E+00	0.00E+00	1.11E-08
10178	500294.2	3733320	2.364E-08	4.36E-08	0.00E+00	0.00E+00	6.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	4.36E-08	0.00E+00	0.00E+00	6.72E-08	3.56E-09	7.59E-09	0.00E+00	0.00E+00	1.12E-08
10179	500294.2	3733310	2.381E-08	4.39E-08	0.00E+00	0.00E+00	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-08	4.39E-08	0.00E+00	0.00E+00	6.77E-08	3.58E-09	7.65E-09	0.00E+00	0.00E+00	1.12E-08
10180	500294.2	3733300	2.395E-08	4.42E-08	0.00E+00	0.00E+00	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-08	4.42E-08	0.00E+00	0.00E+00	6.81E-08	3.61E-09	7.69E-09	0.00E+00	0.00E+00	1.13E-08
10181	500294.2	3733291	2.408E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	4.44E-08	0.00E+00	0.00E+00	6.85E-08	3.63E-09	7.73E-09	0.00E+00	0.00E+00	1.14E-08
10182	500294.2	3733281	2.419E-08	4.46E-08	0.00E+00	0.00E+00	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	4.46E-08	0.00E+00	0.00E+00	6.88E-08	3.64E-09	7.77E-09	0.00E+00	0.00E+00	1.14E-08
10183	500294.2	3733252	2.444E-08	4.51E-08	0.00E+00	0.00E+00	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	4.51E-08	0.00E+00	0.00E+00	6.95E-08	3.68E-09	7.85E-09	0.00E+00	0.00E+00	1.15E-08
10184	500294.2	3733242	2.45E-08	4.52E-08	0.00E+00	0.00E+00	6.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	4.52E-08	0.00E+00	0.00E+00	6.97E-08	3.69E-09	7.87E-09	0.00E+00	0.00E+00	1.16E-08
10185	500294.2	3733232	2.454E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	4.52E-08	0.00E+00	0.00E+00	6.98E-08	3.69E-09	7.88E-09	0.00E+00	0.00E+00	1.16E-08
10186	500294.3	3733223	2.457E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	3.70E-09	7.89E-09	0.00E+00	0.00E+00	1.16E-08
10187	500294.3	3733213	2.459E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	3.70E-09	7.90E-09	0.00E+00	0.00E+00	1.16E-08
10188	500294.3	3733203	2.459E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	4.53E-08	0.00E+00	0.00E+00	6.99E-08	3.70E-09	7.90E-09	0.00E+00	0.00E+00	1.16E-08
10189	500310.4	3733552	1.581E-08	2.91E-08	0.00E+00	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.91E-08	0.00E+00	0.00E+00	4.50E-08	2.38E-09	5.08E-09	0.00E+00	0.00E+00	7.46E-09
10190	500306.9	3733560	1.608E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	2.42E-09	5.16E-09	0.00E+00	0.00E+00	7.58E-09
10191	500303.3	3733569	1.634E-08	3.01E-08	0.00E+00	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	3.01E-08	0.00E+00	0.00E+00	4.64E-08	2.46E-09	5.25E-09	0.00E+00	0.00E+00	7.71E-09
10192	500299.8	3733577	1.659E-08	3.06E-08	0.00E+00	0.00E+00	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	3.06E-08	0.00E+00	0.00E+00	4.72E-08	2.50E-09	5.33E-09	0.00E+00	0.00E+00	7.82E-09
10193	500296.3	3733586	1.683E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.10E-08	0.00E+00	0.00E+00	4.78E-08	2.53E-09	5.40E-09	0.00E+00	0.00E+00	7.94E-09
10194	500285.7	3733611	1.746E-08	3.22E-08	0.00E+00	0.00E+00	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	3.22E-08	0.00E+00	0.00E+00	4.96E-08	2.63E-09	5.61E-09	0.00E+00	0.00E+00	8.23E-09
10195	500282.2	3733620	1.763E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.25E-08	0.00E+00	0.00E+00	5.01E-08	2.65E-09	5.66E-09	0.00E+00	0.00E+00	8.31E-09
10196	500270.2	3733632	1.863E-08	3.43E-08	0.00E+00	0.00E+00	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.30E-08	2.80E-09	5.98E-09	0.00E+00	0.00E+00	8.79E-09
10197	500261.7	3733635	1.951E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	2.94E-09	6.27E-09	0.00E+00	0.00E+00	9.20E-09
10198	500253.2	3733639	2.042E-08	3.76E-08	0.00E+00	0.00E+00	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	3.76E-08	0.00E+00	0.00E+00	5.81E-08	3.07E-09	6.56E-09	0.00E+00	0.00E+00	9.63E-09
10199	500244.7	3733642	2.135E-08	3.94E-08	0.00E+00	0.00E+00	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.94E-08	0.00E+00	0.00E+00	6.07E-08	3.21E-09	6.86E-09	0.00E+00	0.00E+00	1.01E-08
10200	500236.2	3733646	2.23E-08	4.11E-08	0.00E+00	0.00E+00	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	4.11E-08	0.00E+00	0.00E+00	6.34E-08	3.36E-09	7.16E-09	0.00E+00	0.00E+00	1.05E-08
10201	500227.7	3733649	2.325E-08	4.29E-08	0.00E+00	0.00E+00	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	4.29E-08	0.00E+00	0.00E+00	6.61E-08	3.50E-09	7.47E-09	0.00E+00	0.00E+00	1.10E-08
10202	500313.9	3733544	1.555E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.87E-08	0.00E+00	0.00E+00	4.42E-08	2.34E-09	4.99E-09	0.00E+00	0.00E+00	7.33E-09
10203	500313.9	3733534	1.567E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.03E-09	0.00E+00	0.00E+00	7.39E-09
10204	500314	3733505	1.607E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.96E-08	0.00E+00	0.00E+00	4.57E-08	2.42E-09	5.16E-09	0.00E+00	0.00E+00	7.58E-09
10205	500314	3733495	1.622E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	2.44E-09	5.21E-09	0.00E+00	0.00E+00	7.65E-09
10206	500314	3733485	1.638E-08	3.02E-08	0.00E+00	0.00E+00	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.02E-08	0.00E+00	0.00E+00	4.66E-08	2.47E-09	5.26E-09	0.00E+00	0.00E+00	7.72E-09
10207	500314	3733475	1.655E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.81E-09
10208	500314	3733466	1.673E-08	3.08E-08	0.00E+00	0.00E+00	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.08E-08	0.00E+00	0.00E+00	4.76E-08	2.52E-09	5.37E-09	0.00E+00	0.00E+00	7.89E-09
10209	500314	3733456	1.692E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.12E-08	0.00E+00	0.00E+00	4.81E-08	2.55E-09	5.44E-09	0.00E+00	0.00E+00	7.98E-09
10210	500314	3733446	1.713E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	2.58E-09	5.50E-09	0.00E+00	0.00E+00	8.08E-09
10211	500314.1	3733417	1.776E-08	3.27E-08	0.00E+00	0.00E+00	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.27E-08	0.00E+00	0.00E+00	5.05E-08	2.67E-09	5.70E-09	0.00E+00	0.00E+00	8.38E-09
10212	500314.1	3733407	1.797E-08	3.31E-08	0.00E+00	0.00E+00	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.31E-08	0.00E+00	0.00E+00	5.11E-08	2.71E-09	5.77E-09	0.00E+00	0.00E+00	8.48E-09
10213	500314.1	3733398	1.818E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	3.35E-08	0.00E+00	0.00E+00	5.17E-08	2.74E-09	5.84E-09	0.00E+00	0.00E+00	8.58E-09
10214	500314.1	3733388	1.84E-08	3.39E-08	0.00E+00	0.00E+00	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	3.39E-08	0.00E+00	0.00E+00	5.23E-08	2.77E-09	5.91E-09	0.00E+00	0.00E+00	8.68E-09
10215	500314.1	3733378	1.861E-08	3.43E-08	0.00E+00	0.00E+00	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	3.43E-08	0.00E+00	0.00E+00	5.29E-08	2.80E-09	5.98E-09	0.00E+00	0.00E+00	8.78E-09
10216	500314.1	3733368	1.882E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	3.47E-08	0.00E+00	0.00E+00	5.35E-08	2.83E-09	6.04E-09	0.00E+00	0.00E+00	8.88E-09
10217	500314.1	3733339	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.58E-08	0.00E+00	0.00E+00	5.52E-08	2.92E-09	6.23E-09	0.00E+00	0.00E+00	9.15E-09
10218	500314.1	3733330	1.958E-08	3.61E-08	0.00E+00	0.00E+00	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.61E-08	0.00E+00	0.00E+00	5.57E-08	2.95E-09	6.29E-09	0.00E+00	0.00E+00	9.24E-09
10219	500314.2	3733320	1.975E-08	3.64E-08	0.00E+00	0.00E+00	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	3.64E-08	0.00E+00	0.00E+00	5.61E-08	2.97E-09	6.34E-09	0.00E+00	0.00E+00	9.31E-09
10220	500314.2	3733310	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.66E-08	3.00E-09	6.39E-09	0.00E+00	0.00E+00	9.39E-09
10221	500314.2	3733300	2.004E-08	3.69E-08	0.00E+00	0.00E+00	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	3.69E-08	0.00E+00	0.00E+00	5.70E-08	3.02E-09	6.44E-09	0.00E+00	0.00E+00	9.45E-09
10222	500314.2	3733291	2.017E-08	3.72E-08	0.00E+00	0.00E+00	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.72E-08	0.00E+00	0.00E+00	5.73E-08	3.04E-09	6.48E-09	0.00E+00	0.00E+00	9.51E-09
10223	500314.2	3733281	2.028E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	3.74E-08	0.00E+00	0.00E+00	5.77E-08	3.05E-09	6.51E-09	0.00E+00	0.00E+00	9.57E-09
10224	500314.2	3733252	2.06E-08	3.80E-08	0.00E+00	0.00E+00	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.80E-08	0.00E+00	0.00E+00	5.86E-08	3.10E-09	6.62E-09	0.00E+00	0.00E+00	9.72E-09
10225	500314.2	3733242	2.069E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	3.81E-08	0.00E+00	0.00E+00	5.88E-08	3.11E-09	6.64E-09	0.00E+00	0.00E+00	9.76E-09
10226	500314.2	3733232	2.077E-08	3.83E-08	0.00E+00	0.00E+00	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.83E-08	0.00E+00	0.00E+00	5.90E-08	3.13E-09	6.67E-09	0.00E+00	0.00E+00	9.80E-09
10227	500314.3	3733223	2.084E-08	3.84E-08	0.00E+00	0.00E+00	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	3.84E-08	0.00E+00	0.00E+00	5.92E-08	3.14E-09	6.69E-09	0.00E+00	0.00E+00	9.83E-09
10228	500314.3	3733213	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.85E-08	0.00E+00	0.00E+00	5.94E-08	3.15E-09	6.71E-09	0.00E+00	0.00E+00	9.86E-09
10229	500314.3	3733203	2.095E-08	3.86E-08	0.00E+00	0.00E+00	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.86E-08	0.00E+00	0.00E+00	5.96E-08	3.15E-09	6.73E-09	0.00E+00	0.00E+00	9.88E-09
10230	500330.5	3733552	1.386E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.55E-08	0.00E+00	0.00E+00	3.94E-08	2.09E-09	4.45E-09	0.00E+00	0.00E+00	6.54E-09
10231	500323.6	3733568	1.432E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.75E-09
10232	500316.8	3733585	1.476E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.72E-08	0.00E+00	0.00E+00	4.20E-08	2.22E-09	4.74E-09	0.00E+00	0.00E+00	6.96E-09
10233	500303.1	3733618	1.553E-08	2.86E-08	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.42E-08	2.34E-09	4.99E-09	0.00E+00	0.00E+00	7.33E-09
10234	500296.2	3733634	1.583E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.92E-08	0.00E+00	0.00E+00	4.50E-08	2.38E-09	5.09E-09	0.00E+00	0.00E+00	7.47E-09
10235	500284.5	3733646	1.666E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.07E-08	0.00E+00	0.00E+00	4.74E-08	2.51E-09	5.35E-09	0.00E+00	0.00E+00	7.86E-09
10236	500268	3733653	1.811E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	3.34E-08	0.00E+00	0.00E+00	5.15E-08	2.73E-09	5.82E-09	0.00E+00	0.00E+00	8.54E-09
10237	500251.5	3733660	1.964E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	3.62E-08	0.00E+00	0.00E+00	5.58E-08	2.96E-09	6.31E-09	0.00E+00	0.00E+00	9.27E-09
10238	500234.9	3733666	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.91E-08	0.00E+00	0.00E+00	6.03E-08	3.19E-09	6.81E-09	0.00E+00	0.00E+00	1.00E-08
10239	500333.9	3733534	1.372E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	2.07E-09	4.40E-09	0.00E+00	0.00E+00	6.47E-09
10240	500334	3733505	1.398E-08	2.58E-08	0.00E+00	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.98E-08	2.11E-09	4.49E-09	0.00E+00	0.00E+00	6.60E-09
10241	500334	3733495	1.408E-08	2.60E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.00E-08	2.12E-09	4.52E-09	0.00E+00	0.00E+00	6.64E-09
10242	500334	3733485	1.419E-08	2.62E-08	0.00E+00	0.00E+00	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.03E-08	2.14E-09	4.56E-09	0.00E+00	0.00E+00	6.69E-09
10243	500334	3733475	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.15E-09	4.59E-09	0.00E+00	0.00E+00	6.75E-09
10244	500334	3733466	1.443E-08	2.66E-08	0.00E+00	0.00E+00	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.66E-08	0.00E+00	0.00E+00	4.10E-08	2.17E-09	4.63E-09	0.00E+00	0.00E+00	6.80E-09
10245	500334	3733456	1.456E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.68E-08	0.00E+00	0.00E+00	4.14E-08	2.19E-09	4.67E-09	0.00E+00	0.00E+00	6.87E-09
10246	500334	3733446	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.93E-09
10247	500334	3733427	1.499E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	2.76E-08	0.00E+00	0.00E+00	4.26E-08	2.26E-09	4.82E-09	0.00E+00	0.00E+00	7.07E-09
10248	500334.1	3733417	1.514E-08	2.79E-08	0.00E+00	0.00E+00	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.79E-08	0.00E+00	0.00E+00	4.31E-08	2.28E-09	4.86E-09	0.00E+00	0.00E+00	7.14E-09
10249	500334.1	3733407	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.35E-08	2.30E-09	4.91E-09	0.00E+00	0.00E+00	7.22E-09
10250	500334.1	3733398	1.545E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.85E-08	0.00E+00	0.00E+00	4.39E-08	2.33E-09	4.96E-09	0.00E+00	0.00E+00	7.29E-09
10251	500334.1	3733388	1.562E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	2.88E-08	0.00E+00	0.00E+00	4.44E-08	2.35E-09	5.02E-09	0.00E+00	0.00E+00	7.37E-09
10252	500334.1	3733378	1.578E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	2.38E-09	5.07E-09	0.00E+00	0.00E+00	7.45E-09
10253	500334.1	3733369	1.595E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	2.40E-09	5.12E-09	0.00E+00	0.00E+00	7.52E-09
10254	500334.1	3733339	1.644E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.03E-08	0.00E+00	0.00E+00	4.67E-08	2.47E-09	5.28E-09	0.00E+00	0.00E+00	7.75E-09
10255	500334.1	3733330	1.659E-08	3.06E-08	0.00E+00	0.00E+00	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	3.06E-08	0.00E+00	0.00E+00	4.72E-08	2.50E-09	5.33E-09	0.00E+00	0.00E+00	7.82E-09
10256	500334.2	3733320	1.673E-08	3.08E-08	0.00E+00	0.00E+00	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	3.08E-08	0.00E+00	0.00E+00	4.76E-08	2.52E-09	5.37E-09	0.00E+00	0.00E+00	7.89E-09
10257	500334.2	3733310	1.687E-08	3.11E-08	0.00E+00	0.00E+00	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	3.11E-08	0.00E+00	0.00E+00	4.80E-08	2.54E-09	5.42E-09	0.00E+00	0.00E+00	7.96E-09
10258	500334.2	3733300	1.701E-08	3.13E-08	0.00E+00	0.00E+00	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	3.13E-08	0.00E+00	0.00E+00	4.83E-08	2.56E-09	5.46E-09	0.00E+00	0.00E+00	8.02E-09
10259	500334.2	3733291	1.713E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	2.58E-09	5.50E-09	0.00E+00	0.00E+00	8.08E-09
10260	500334.2	3733281	1.726E-08	3.18E-08	0.00E+00	0.00E+00	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.18E-08	0.00E+00	0.00E+00	4.91E-08	2.60E-09	5.54E-09	0.00E+00	0.00E+00	8.14E-09
10261	500334.2	3733252	1.76E-08	3.24E-08	0.00E+00	0.00E+00	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	3.24E-08	0.00E+00	0.00E+00	5.00E-08	2.65E-09	5.65E-09	0.00E+00	0.00E+00	8.30E-09
10262	500334.2	3733242	1.771E-08	3.26E-08	0.00E+00	0.00E+00	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.26E-08	0.00E+00	0.00E+00	5.03E-08	2.67E-09	5.69E-09	0.00E+00	0.00E+00	8.35E-09
10263	500334.2	3733232	1.781E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.28E-08	0.00E+00	0.00E+00	5.06E-08	2.68E-09	5.72E-09	0.00E+00	0.00E+00	8.40E-09
10264	500334.3	3733223	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.30E-08	0.00E+00	0.00E+00	5.09E-08	2.70E-09	5.75E-09	0.00E+00	0.00E+00	8.44E-09
10265	500334.3	3733213	1.799E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	3.32E-08	0.00E+00	0.00E+00	5.12E-08	2.71E-09	5.78E-09	0.00E+00	0.00E+00	8.49E-09
10266	500350.3	3733552	1.227E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.26E-08	0.00E+00	0.00E+00	3.49E-08	1.85E-09	3.94E-09	0.00E+00	0.00E+00	5.79E-09

10267	500346.7	3733561	1.248E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	1.88E-09	4.01E-09	0.00E+00	0.00E+00	5.89E-09
10268	500343.1	3733570	1.269E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.08E-09	0.00E+00	0.00E+00	5.99E-09
10269	500339.5	3733578	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	1.94E-09	4.14E-09	0.00E+00	0.00E+00	6.09E-09
10270	500335.8	3733587	1.311E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	1.97E-09	4.21E-09	0.00E+00	0.00E+00	6.18E-09
10271	500325	3733613	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.46E-09
10272	500321.4	3733622	1.388E-08	2.56E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.56E-08	0.00E+00	0.00E+00	3.94E-08	2.09E-09	4.46E-09	0.00E+00	0.00E+00	6.54E-09
10273	500317.7	3733631	1.404E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	2.11E-09	4.51E-09	0.00E+00	0.00E+00	6.62E-09
10274	500314.1	3733639	1.419E-08	2.62E-08	0.00E+00	0.00E+00	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.03E-08	2.14E-09	4.56E-09	0.00E+00	0.00E+00	6.69E-09
10275	500310.5	3733648	1.433E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.16E-09	4.60E-09	0.00E+00	0.00E+00	6.76E-09
10276	500298.2	3733660	1.508E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.29E-08	2.27E-09	4.84E-09	0.00E+00	0.00E+00	7.11E-09
10277	500289.5	3733664	1.572E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.90E-08	0.00E+00	0.00E+00	4.47E-08	2.37E-09	5.05E-09	0.00E+00	0.00E+00	7.42E-09
10278	500280.7	3733667	1.639E-08	3.02E-08	0.00E+00	0.00E+00	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	3.02E-08	0.00E+00	0.00E+00	4.66E-08	2.47E-09	5.26E-09	0.00E+00	0.00E+00	7.73E-09
10279	500272	3733671	1.707E-08	3.15E-08	0.00E+00	0.00E+00	4.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.15E-08	0.00E+00	0.00E+00	4.85E-08	2.57E-09	5.48E-09	0.00E+00	0.00E+00	8.05E-09
10280	500263.3	3733675	1.776E-08	3.27E-08	0.00E+00	0.00E+00	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.27E-08	0.00E+00	0.00E+00	5.05E-08	2.67E-09	5.70E-09	0.00E+00	0.00E+00	8.38E-09
10281	500254.6	3733678	1.847E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	3.40E-08	0.00E+00	0.00E+00	5.25E-08	2.78E-09	5.93E-09	0.00E+00	0.00E+00	8.71E-09
10282	500245.9	3733682	1.918E-08	3.53E-08	0.00E+00	0.00E+00	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	3.53E-08	0.00E+00	0.00E+00	5.45E-08	2.89E-09	6.16E-09	0.00E+00	0.00E+00	9.05E-09
10283	500237.2	3733685	1.989E-08	3.67E-08	0.00E+00	0.00E+00	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	3.67E-08	0.00E+00	0.00E+00	5.65E-08	2.99E-09	6.39E-09	0.00E+00	0.00E+00	9.38E-09
10284	500228.5	3733689	2.059E-08	3.80E-08	0.00E+00	0.00E+00	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	3.80E-08	0.00E+00	0.00E+00	5.85E-08	3.10E-09	6.61E-09	0.00E+00	0.00E+00	9.71E-09
10285	500219.8	3733693	2.129E-08	3.92E-08	0.00E+00	0.00E+00	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.92E-08	0.00E+00	0.00E+00	6.05E-08	3.20E-09	6.84E-09	0.00E+00	0.00E+00	1.00E-08
10286	500353.9	3733544	1.205E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	1.81E-09	3.87E-09	0.00E+00	0.00E+00	5.69E-09
10287	500353.9	3733534	1.211E-08	2.23E-08	0.00E+00	0.00E+00	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.23E-08	0.00E+00	0.00E+00	3.44E-08	1.82E-09	3.89E-09	0.00E+00	0.00E+00	5.71E-09
10288	500354	3733505	1.229E-08	2.27E-08	0.00E+00	0.00E+00	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.27E-08	0.00E+00	0.00E+00	3.49E-08	1.85E-09	3.95E-09	0.00E+00	0.00E+00	5.80E-09
10289	500354	3733495	1.236E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
10290	500354	3733485	1.243E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.99E-09	0.00E+00	0.00E+00	5.86E-09
10291	500354	3733475	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.56E-08	1.88E-09	4.02E-09	0.00E+00	0.00E+00	5.90E-09
10292	500354	3733466	1.259E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.04E-09	0.00E+00	0.00E+00	5.94E-09
10293	500354	3733456	1.268E-08	2.34E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.60E-08	1.91E-09	4.07E-09	0.00E+00	0.00E+00	5.98E-09
10294	500354	3733446	1.277E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.35E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.10E-09	0.00E+00	0.00E+00	6.02E-09
10295	500354.1	3733417	1.309E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.18E-09
10296	500354.1	3733407	1.321E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	1.99E-09	4.24E-09	0.00E+00	0.00E+00	6.23E-09
10297	500354.1	3733398	1.332E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.46E-08	0.00E+00	0.00E+00	3.79E-08	2.01E-09	4.28E-09	0.00E+00	0.00E+00	6.28E-09
10298	500354.1	3733388	1.345E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
10299	500354.1	3733378	1.358E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	2.04E-09	4.36E-09	0.00E+00	0.00E+00	6.40E-09
10300	500354.1	3733369	1.371E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.47E-09
10301	500354.1	3733339	1.411E-08	2.60E-08	0.00E+00	0.00E+00	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.60E-08	0.00E+00	0.00E+00	4.01E-08	2.12E-09	4.53E-09	0.00E+00	0.00E+00	6.66E-09
10302	500354.1	3733330	1.424E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.72E-09
10303	500354.2	3733320	1.436E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.78E-09
10304	500354.2	3733310	1.448E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	2.67E-08	0.00E+00	0.00E+00	4.12E-08	2.18E-09	4.65E-09	0.00E+00	0.00E+00	6.83E-09
10305	500354.2	3733300	1.461E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.69E-09	0.00E+00	0.00E+00	6.89E-09
10306	500354.2	3733291	1.474E-08	2.72E-08	0.00E+00	0.00E+00	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.72E-08	0.00E+00	0.00E+00	4.19E-08	2.22E-09	4.73E-09	0.00E+00	0.00E+00	6.95E-09
10307	500354.2	3733281	1.486E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	2.74E-08	0.00E+00	0.00E+00	4.22E-08	2.24E-09	4.77E-09	0.00E+00	0.00E+00	7.01E-09
10308	500354.2	3733252	1.521E-08	2.80E-08	0.00E+00	0.00E+00	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	2.80E-08	0.00E+00	0.00E+00	4.33E-08	2.29E-09	4.89E-09	0.00E+00	0.00E+00	7.18E-09
10309	500354.2	3733242	1.533E-08	2.82E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.82E-08	0.00E+00	0.00E+00	4.36E-08	2.31E-09	4.92E-09	0.00E+00	0.00E+00	7.23E-09
10310	500354.2	3733232	1.543E-08	2.84E-08	0.00E+00	0.00E+00	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.39E-08	2.32E-09	4.96E-09	0.00E+00	0.00E+00	7.28E-09
10311	500354.3	3733223	1.554E-08	2.86E-08	0.00E+00	0.00E+00	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	2.86E-08	0.00E+00	0.00E+00	4.42E-08	2.34E-09	4.99E-09	0.00E+00	0.00E+00	7.33E-09
10312	500370.4	3733552	1.092E-08	2.01E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.11E-08	1.64E-09	3.51E-09	0.00E+00	0.00E+00	5.15E-09
10313	500366.9	3733561	1.111E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.57E-09	0.00E+00	0.00E+00	5.24E-09
10314	500363.3	3733569	1.129E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.63E-09	0.00E+00	0.00E+00	5.33E-09
10315	500359.8	3733578	1.148E-08	2.12E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.12E-08	0.00E+00	0.00E+00	3.26E-08	1.73E-09	3.69E-09	0.00E+00	0.00E+00	5.41E-09
10316	500356.3	3733586	1.166E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.76E-09	3.74E-09	0.00E+00	0.00E+00	5.50E-09
10317	500342.2	3733620	1.235E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
10318	500338.7	3733628	1.251E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.31E-08	0.00E+00	0.00E+00	3.56E-08	1.88E-09	4.02E-09	0.00E+00	0.00E+00	5.90E-09
10319	500335.1	3733637	1.267E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	1.91E-09	4.07E-09	0.00E+00	0.00E+00	5.97E-09
10320	500312.5	3733674	1.369E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.46E-09
10321	500304	3733678	1.424E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.05E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.71E-09
10322	500295.5	3733681	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.21E-08	2.23E-09	4.75E-09	0.00E+00	0.00E+00	6.98E-09
10323	500287	3733685	1.537E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.83E-08	0.00E+00	0.00E+00	4.37E-08	2.31E-09	4.94E-09	0.00E+00	0.00E+00	7.25E-09
10324	500278.5	3733688	1.595E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	2.94E-08	0.00E+00	0.00E+00	4.53E-08	2.40E-09	5.12E-09	0.00E+00	0.00E+00	7.52E-09
10325	500270	3733692	1.654E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	3.05E-08	0.00E+00	0.00E+00	4.70E-08	2.49E-09	5.31E-09	0.00E+00	0.00E+00	7.80E-09
10326	500261.5	3733695	1.714E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	3.16E-08	0.00E+00	0.00E+00	4.87E-08	2.58E-09	5.50E-09	0.00E+00	0.00E+00	8.08E-09
10327	500253	3733699	1.774E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	3.27E-08	0.00E+00	0.00E+00	5.04E-08	2.67E-09	5.70E-09	0.00E+00	0.00E+00	8.37E-09
10328	500244.5	3733702	1.834E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	3.38E-08	0.00E+00	0.00E+00	5.21E-08	2.76E-09	5.89E-09	0.00E+00	0.00E+00	8.65E-09
10329	500236.1	3733706	1.894E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	2.85E-09	6.08E-09	0.00E+00	0.00E+00	8.93E-09
10330	500227.6	3733709	1.953E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	3.60E-08	0.00E+00	0.00E+00	5.55E-08	2.94E-09	6.27E-09	0.00E+00	0.00E+00	9.21E-09
10331	500373.9	3733544	1.074E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
10332	500373.9	3733534	1.078E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
10333	500373.9	3733524	1.081E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.07E-08	1.63E-09	3.47E-09	0.00E+00	0.00E+00	5.10E-09
10334	500374	3733505	1.089E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.10E-08	1.64E-09	3.50E-09	0.00E+00	0.00E+00	5.14E-09
10335	500374	3733495	1.093E-08	2.01E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.51E-09	0.00E+00	0.00E+00	5.16E-09
10336	500374	3733485	1.098E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.53E-09	0.00E+00	0.00E+00	5.18E-09
10337	500374	3733476	1.103E-08	2.03E-08	0.00E+00	0.00E+00	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.14E-08	1.66E-09	3.54E-09	0.00E+00	0.00E+00	5.20E-09
10338	500374	3733466	1.109E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.23E-09
10339	500374	3733456	1.115E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.58E-09	0.00E+00	0.00E+00	5.26E-09
10340	500374.1	3733417	1.145E-08	2.11E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.11E-08	0.00E+00	0.00E+00	3.25E-08	1.72E-09	3.68E-09	0.00E+00	0.00E+00	5.40E-09
10341	500374.1	3733407	1.153E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.70E-09	0.00E+00	0.00E+00	5.44E-09
10342	500374.1	3733398	1.163E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.73E-09	0.00E+00	0.00E+00	5.48E-09
10343	500374.1	3733388	1.172E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.33E-08	1.76E-09	3.76E-09	0.00E+00	0.00E+00	5.53E-09
10344	500374.1	3733378	1.182E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	1.78E-09	3.80E-09	0.00E+00	0.00E+00	5.58E-09
10345	500374.1	3733369	1.193E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.20E-08	0.00E+00	0.00E+00	3.39E-08	1.80E-09	3.83E-09	0.00E+00	0.00E+00	5.63E-09
10346	500374.1	3733330	1.237E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.84E-09
10347	500374.2	3733320	1.248E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	2.30E-08	0.00E+00	0.00E+00	3.55E-08	1.88E-09	4.01E-09	0.00E+00	0.00E+00	5.89E-09
10348	500374.2	3733310	1.259E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.58E-08	1.90E-09	4.04E-09	0.00E+00	0.00E+00	5.94E-09
10349	500374.2	3733300	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.08E-09	0.00E+00	0.00E+00	5.99E-09
10350	500374.2	3733291	1.282E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.64E-08	1.93E-09	4.12E-09	0.00E+00	0.00E+00	6.05E-09
10351	500374.2	3733252	1.327E-08	2.45E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	2.45E-08	0.00E+00	0.00E+00	3.77E-08	2.00E-09	4.26E-09	0.00E+00	0.00E+00	6.26E-09
10352	500374.2	3733242	1.339E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.30E-09	0.00E+00	0.00E+00	6.31E-09
10353	500374.2	3733232	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.49E-08	0.00E+00	0.00E+00	3.84E-08	2.03E-09	4.33E-09	0.00E+00	0.00E+00	6.37E-09
10354	500390.3	3733552	9.801E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.15E-09	0.00E+00	0.00E+00	4.62E-09
10355	500386.6	3733561	9.972E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.50E-09	3.20E-09	0.00E+00	0.00E+00	4.70E-09
10356	500382.9	3733570	1.014E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
10357	500379.2	3733579	1.032E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.87E-09
10358	500375.6	3733588	1.049E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
10359	500360.9	3733623	1.115E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.58E-09	0.00E+00	0.00E+00	5.26E-09
10360	500357.2	3733632	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.21E-08	1.70E-09	3.63E-09	0.00E+00	0.00E+00	5.33E-09
10361	500353.5	3733641	1.145E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.72E-09	3.68E-09	0.00E+00	0.00E+00	5.40E-09
10362	500308.6	3733696	1.355E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	2.50E-08	0.00E+00	0.00E+00	3.85E-08	2.04E-09	4.35E-09	0.00E+00	0.00E+00	6.39E-09
10363	500299.7	3733700	1.407E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	2.59E-08	0.00E+00	0.00E+00	4.00E-08	2.12E-09	4.52E-09	0.00E+00	0.00E+00	6.64E-09
10364	500290.9	3733703	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	2.69E-08	0.00E+00	0.00E+00	4.15E-08	2.20E-09	4.69E-09	0.00E+00	0.00E+00	6.89E-09
10365	500282	3733707	1.513E-08	2.79E-08	0.00E+00	0.00E+00	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.79E-08	0.00E+00	0.00E+00	4.30E-08	2.28E-09	4.86E-09	0.00E+00	0.00E+00	7.14E-09
10366	500273.2	3733711	1.568E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	2.89E-08	0.00E+00	0.00E+00	4.46E-08	2.36E-09	5.03E-09	0.00E+00	0.00E+00	7.40E-09
10367	500264.3	3733714	1.623E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	2.44E-09	5.21E-09	0.00E+00	0.00E+00	7.65E-09
10368	500255.5	3733718	1.678E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	3.09E-08	0.00E+00	0.00E+00	4.77E-08	2.53E-09	5.39E-09	0.00E+00	0.00E+00	7.91E-09
10369	500246.6	3733722	1.732E-08	3.19E-08	0.00E+00	0.00E+00	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.93E-08	2.61E-09	5.56E-09	0.00E+00	0.00E+00	8.17E-09
10370	500237.8	3733725	1.787E-08	3.29E-08	0.00E+00	0.00E+00	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	3.29E-08	0.00E+00	0.00E+00	5.08E-08	2.69E-09	5.74E-09	0.00E+00	0.00E+00	8.43E-09
10371	500228.9	3733729	1.84E-08	3.39E-08	0.00E+00	0.00E+00	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	3.39E-08	0.00E+00	0.00E+00	5.23E-08	2.77E-09	5.91E-09	0.00E+00	0.00E+00	8.68E-09
10372	500220.1	3733732	1.893E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	3.49E-08	0.00E+00	0.00E+00	5.38E-08	2.85E-09	6.08E-09	0.00E+00	0.00E+00	8.93E-09
10373	500393.9	3733544	9.631E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.54E-09
10374	500393.9	3733534	9.652E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-09	1.78E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.10E-09	0.00E+00	0.00E+00	4.55E-09
10375	500393.9	3733524	9.674E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.56E-09
10376	500394	3733514	9.697E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
10377	500394	3733505	9.722E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.59E-09
10378	500394	3733495	9.749E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.60E-09
10379	500394	3733485	9.78E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
10380	500394	3733476	9.814E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.15E-09	0.00E+00	0.00E+00	4.63E-09
10381	500394	3733466	9.852E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.16E-09	0.00E+00	0.00E+00	4.65E-09
10382	500394	3733456	9.895E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
10383	500394	3733446	9.942E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-09	1.83E-08	0.00E+00	0.00E+00	2.83E-08	1.50E-09	3.19E-09	0.00E+00	0.00E+00	4.69E-09
10384	500394	3733437	9.993E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.50E-09	3.21E-09	0.00E+00	0.00E+00	4.71E-09
10385	500394	3733427	1.005E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.85E-08	0.00E+00	0.00E+00	2.86E-08	1.51E-09	3.23E-09	0.00E+00	0.00E+00	4.74E-09
10386	500394.1	3733417	1.011E-08	1.86E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.88E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.77E-09
10387	500394.1	3733407	1.018E-08	1.88E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.27E-09	0.00E+00	0.00E+00	4.80E-09
10388	500394.1	3733398	1.025E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
10389	500394.1	3733388	1.033E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.94E-08	1.55E-09	3.32E-09	0.00E+00	0.00E+00	4.87E-09
10390	500394.1	3733378	1.041E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.34E-09	0.00E+00	0.00E+00	4.91E-09
10391	500394.1	3733369	1.049E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.93E-08	0.00E+00	0.00E+00	2.98E-08	1.58E-09	3.37E-09	0.00E+00	0.00E+00	4.95E-09
10392	500394.1	3733359	1.058E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.59E-09	3.40E-09	0.00E+00	0.00E+00	4.99E-09
10393	500394.1	3733349	1.067E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.03E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.03E-09
10394	500394.1	3733339	1.076E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
10395	500394.1	3733330	1.086E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.00E-08	0.00E+00	0.00E+00	3.09E-08	1.63E-09	3.49E-09	0.00E+00	0.00E+00	5.12E-09
10396	500394.2	3733320	1.095E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.52E-09	0.00E+00	0.00E+00	5.17E-09

10397	500394.2	3733310	1.105E-08	2.04E-08	0.00E+00	0.00E+00	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.04E-08	0.00E+00	0.00E+00	3.14E-08	1.66E-09	3.55E-09	0.00E+00	0.00E+00	5.21E-09
10398	500394.2	3733300	1.115E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.58E-09	0.00E+00	0.00E+00	5.26E-09
10399	500394.2	3733291	1.125E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.61E-09	0.00E+00	0.00E+00	5.31E-09
10400	500394.2	3733281	1.136E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.09E-08	0.00E+00	0.00E+00	3.23E-08	1.71E-09	3.65E-09	0.00E+00	0.00E+00	5.36E-09
10401	500394.2	3733271	1.147E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.11E-08	0.00E+00	0.00E+00	3.26E-08	1.73E-09	3.68E-09	0.00E+00	0.00E+00	5.41E-09
10402	500394.2	3733262	1.157E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.29E-08	1.74E-09	3.72E-09	0.00E+00	0.00E+00	5.46E-09
10403	500394.2	3733252	1.168E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.32E-08	1.76E-09	3.75E-09	0.00E+00	0.00E+00	5.51E-09
10404	500394.2	3733242	1.179E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.79E-09	0.00E+00	0.00E+00	5.56E-09
10405	500420.4	3733552	8.402E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.27E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
10406	500416.8	3733561	8.542E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
10407	500413.2	3733569	8.683E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
10408	500409.7	3733578	8.825E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
10409	500406.1	3733586	8.968E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.88E-09	0.00E+00	0.00E+00	4.23E-09
10410	500402.6	3733595	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.93E-09	0.00E+00	0.00E+00	4.30E-09
10411	500399	3733604	9.252E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-09	1.71E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
10412	500395.5	3733612	9.393E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.02E-09	0.00E+00	0.00E+00	4.43E-09
10413	500391.9	3733621	9.532E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.44E-09	3.06E-09	0.00E+00	0.00E+00	4.50E-09
10414	500388.3	3733629	9.668E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.10E-09	0.00E+00	0.00E+00	4.56E-09
10415	500384.8	3733638	9.801E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-09	1.81E-08	0.00E+00	0.00E+00	2.79E-08	1.48E-09	3.15E-09	0.00E+00	0.00E+00	4.62E-09
10416	500313.5	3733724	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.34E-08	0.00E+00	0.00E+00	3.61E-08	1.91E-09	4.08E-09	0.00E+00	0.00E+00	5.99E-09
10417	500304.9	3733727	1.313E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	1.98E-09	4.22E-09	0.00E+00	0.00E+00	6.19E-09
10418	500296.3	3733731	1.356E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	2.50E-08	0.00E+00	0.00E+00	3.86E-08	2.04E-09	4.36E-09	0.00E+00	0.00E+00	6.40E-09
10419	500423.9	3733544	8.264E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.90E-09
10420	500423.9	3733534	8.272E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.90E-09
10421	500423.9	3733524	8.281E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
10422	500424	3733514	8.291E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
10423	500424	3733505	8.302E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
10424	500424	3733495	8.316E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
10425	500424	3733485	8.332E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.25E-09	2.68E-09	0.00E+00	0.00E+00	3.93E-09
10426	500424	3733476	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
10427	500424	3733466	8.371E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
10428	500424	3733456	8.396E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
10429	500424	3733446	8.424E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-09	1.55E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.97E-09
10430	500424	3733437	8.456E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.72E-09	0.00E+00	0.00E+00	3.99E-09
10431	500424	3733427	8.492E-09	1.57E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.57E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.01E-09
10432	500424.1	3733417	8.533E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
10433	500424.1	3733407	8.577E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.05E-09
10434	500424.1	3733398	8.626E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
10435	500424.1	3733388	8.679E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.09E-09
10436	500424.1	3733378	8.737E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.12E-09
10437	500424.1	3733369	8.798E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.83E-09	0.00E+00	0.00E+00	4.15E-09
10438	500424.1	3733359	8.864E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	1.33E-09	2.85E-09	0.00E+00	0.00E+00	4.18E-09
10439	500424.1	3733349	8.933E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.35E-09	2.87E-09	0.00E+00	0.00E+00	4.21E-09
10440	500424.1	3733339	9.006E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
10441	500424.1	3733330	9.081E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-09	1.67E-08	0.00E+00	0.00E+00	2.58E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.28E-09
10442	500424.2	3733320	9.156E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-09	1.69E-08	0.00E+00	0.00E+00	2.60E-08	1.38E-09	2.94E-09	0.00E+00	0.00E+00	4.32E-09
10443	500424.2	3733310	9.235E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
10444	500424.2	3733301	9.318E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.40E-09
10445	500424.2	3733291	9.407E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.42E-09	3.02E-09	0.00E+00	0.00E+00	4.44E-09
10446	500424.2	3733281	9.497E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
10447	500424.2	3733271	9.59E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.44E-09	3.08E-09	0.00E+00	0.00E+00	4.52E-09
10448	500424.2	3733262	9.684E-09	1.79E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-09	1.79E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
10449	500424.2	3733252	9.78E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-09	1.80E-08	0.00E+00	0.00E+00	2.78E-08	1.47E-09	3.14E-09	0.00E+00	0.00E+00	4.61E-09
10450	500424.2	3733242	9.877E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
10451	500424.2	3733232	9.975E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.50E-09	3.20E-09	0.00E+00	0.00E+00	4.71E-09
10452	500424.3	3733223	1.007E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	1.52E-09	3.24E-09	0.00E+00	0.00E+00	4.75E-09
10453	500424.3	3733213	1.017E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.27E-09	0.00E+00	0.00E+00	4.80E-09
10454	500450.3	3733552	7.286E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
10455	500446.6	3733561	7.408E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.49E-09
10456	500443	3733570	7.532E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
10457	500439.4	3733579	7.657E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
10458	500435.7	3733587	7.782E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
10459	500432.1	3733596	7.907E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
10460	500428.4	3733605	8.033E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.58E-09	0.00E+00	0.00E+00	3.79E-09
10461	500424.8	3733614	8.159E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
10462	500421.2	3733622	8.284E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
10463	500417.5	3733631	8.407E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.27E-09	2.70E-09	0.00E+00	0.00E+00	3.97E-09
10464	500413.9	3733640	8.528E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.02E-09
10465	500272.3	3733771	1.393E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	2.10E-09	4.47E-09	0.00E+00	0.00E+00	6.57E-09
10466	500263.5	3733774	1.431E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.07E-08	2.15E-09	4.60E-09	0.00E+00	0.00E+00	6.75E-09
10467	500254.8	3733778	1.469E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.71E-08	0.00E+00	0.00E+00	4.18E-08	2.21E-09	4.72E-09	0.00E+00	0.00E+00	6.93E-09
10468	500246	3733782	1.506E-08	2.78E-08	0.00E+00	0.00E+00	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	2.78E-08	0.00E+00	0.00E+00	4.28E-08	2.27E-09	4.84E-09	0.00E+00	0.00E+00	7.10E-09
10469	500237.2	3733785	1.543E-08	2.84E-08	0.00E+00	0.00E+00	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.84E-08	0.00E+00	0.00E+00	4.39E-08	2.32E-09	4.96E-09	0.00E+00	0.00E+00	7.28E-09
10470	500228.5	3733789	1.579E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	2.91E-08	0.00E+00	0.00E+00	4.49E-08	2.38E-09	5.07E-09	0.00E+00	0.00E+00	7.45E-09
10471	500453.9	3733544	7.166E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
10472	500453.9	3733534	7.167E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
10473	500453.9	3733524	7.169E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
10474	500454	3733514	7.171E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
10475	500454	3733505	7.176E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.39E-09
10476	500454	3733495	7.183E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
10477	500454	3733485	7.191E-09	1.33E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.33E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
10478	500454	3733476	7.2E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.40E-09
10479	500454	3733466	7.212E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
10480	500454	3733456	7.227E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.41E-09
10481	500454	3733446	7.244E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
10482	500454	3733437	7.264E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.43E-09
10483	500454	3733427	7.288E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
10484	500454.1	3733417	7.316E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
10485	500454.1	3733408	7.346E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-09	1.35E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
10486	500454.1	3733398	7.381E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
10487	500454.1	3733388	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
10488	500454.1	3733378	7.462E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-09	1.38E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.40E-09	0.00E+00	0.00E+00	3.52E-09
10489	500454.1	3733369	7.508E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.41E-09	0.00E+00	0.00E+00	3.54E-09
10490	500454.1	3733359	7.557E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.39E-08	0.00E+00	0.00E+00	2.15E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.56E-09
10491	500454.1	3733349	7.609E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.15E-09	2.44E-09	0.00E+00	0.00E+00	3.59E-09
10492	500454.1	3733339	7.665E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.62E-09
10493	500454.1	3733330	7.724E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.20E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
10494	500454.2	3733320	7.786E-09	1.44E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.44E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
10495	500454.2	3733310	7.852E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.70E-09
10496	500454.2	3733301	7.921E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.74E-09
10497	500454.2	3733291	7.995E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
10498	500454.2	3733281	8.071E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.22E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
10499	500454.2	3733271	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.84E-09
10500	500454.2	3733262	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
10501	500454.2	3733252	8.314E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.67E-09	0.00E+00	0.00E+00	3.92E-09
10502	500454.2	3733242	8.398E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
10503	500454.2	3733232	8.485E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.72E-09	0.00E+00	0.00E+00	4.00E-09
10504	500480.2	3733553	6.378E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.60E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
10505	500476.5	3733562	6.482E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.76E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
10506	500472.8	3733570	6.589E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.92E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
10507	500469.1	3733579	6.698E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
10508	500465.4	3733588	6.808E-09	1.25E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.25E-08	0.00E+00	0.00E+00	1.94E-08	1.02E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
10509	500461.7	3733597	6.919E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
10510	500458	3733606	7.03E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
10511	500454.3	3733615	7.142E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.08E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
10512	500450.6	3733624	7.254E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	1.34E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.33E-09	0.00E+00	0.00E+00	3.42E-09
10513	500446.9	3733633	7.366E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.47E-09
10514	500443.2	3733642	7.476E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
10515	500439.4	3733651	7.583E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
10516	500435.7	3733660	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.63E-09
10517	500432	3733669	7.795E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.44E-08	0.00E+00	0.00E+00	2.22E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.68E-09
10518	500428.3	3733677	7.899E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
10519	500424.6	3733686	7.999E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
10520	500345.1	3733771	1.042E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.92E-09
10521	500336.2	3733775	1.074E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
10522	500327.3	3733778	1.107E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.04E-08	0.00E+00	0.00E+00	3.15E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.22E-09
10523	500318.3	3733782	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.38E-09
10524	500309.4	3733786	1.173E-08	2.16E-08	0.00E+00	0.00E+00	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.16E-08	0.00E+00	0.00E+00	3.34E-08	1.77E-09	3.77E-09	0.00E+00	0.00E+00	5.54E-09
10525	500300.5	3733789	1.207E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.22E-08	0.00E+00	0.00E+00	3.43E-08	1.82E-09	3.88E-09	0.00E+00	0.00E+00	5.69E-09
10526	500291.6	3733793	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.29E-08	0.00E+00	0.00E+00	3.53E-08	1.87E-09	3.98E-09	0.00E+00	0.00E+00	5.85E-09

10527	500282.6	3733797	1.274E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.35E-08	0.00E+00	0.00E+00	3.62E-08	1.92E-09	4.09E-09	0.00E+00	0.00E+00	6.01E-09
10528	500273.7	3733800	1.307E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.41E-08	0.00E+00	0.00E+00	3.72E-08	1.97E-09	4.20E-09	0.00E+00	0.00E+00	6.16E-09
10529	500264.8	3733804	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.81E-08	2.02E-09	4.30E-09	0.00E+00	0.00E+00	6.32E-09
10530	500255.8	3733808	1.372E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.53E-08	0.00E+00	0.00E+00	3.90E-08	2.07E-09	4.41E-09	0.00E+00	0.00E+00	6.47E-09
10531	500246.9	3733811	1.404E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.59E-08	0.00E+00	0.00E+00	3.99E-08	2.11E-09	4.51E-09	0.00E+00	0.00E+00	6.62E-09
10532	500238	3733815	1.435E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	2.64E-08	0.00E+00	0.00E+00	4.08E-08	2.16E-09	4.61E-09	0.00E+00	0.00E+00	6.77E-09
10533	500229.1	3733819	1.465E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	2.70E-08	0.00E+00	0.00E+00	4.17E-08	2.21E-09	4.71E-09	0.00E+00	0.00E+00	6.91E-09
10534	500483.9	3733544	6.274E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.45E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
10535	500483.9	3733534	6.271E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
10536	500483.9	3733524	6.269E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
10537	500484	3733515	6.268E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
10538	500484	3733505	6.268E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
10539	500484	3733495	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
10540	500484	3733485	6.274E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.45E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
10541	500484	3733476	6.278E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.45E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
10542	500484	3733466	6.285E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.46E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
10543	500484	3733456	6.293E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.47E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
10544	500484	3733446	6.304E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.49E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
10545	500484	3733437	6.318E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	9.51E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
10546	500484	3733427	6.334E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.54E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
10547	500484.1	3733417	6.353E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.57E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
10548	500484.1	3733408	6.375E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.18E-08	0.00E+00	0.00E+00	1.81E-08	9.60E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
10549	500484.1	3733398	6.401E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.64E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
10550	500484.1	3733388	6.429E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.68E-10	2.06E-09	0.00E+00	0.00E+00	3.03E-09
10551	500484.1	3733378	6.461E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09
10552	500484.1	3733369	6.496E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.78E-10	2.09E-09	0.00E+00	0.00E+00	3.06E-09
10553	500484.1	3733359	6.534E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.84E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
10554	500484.1	3733349	6.575E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.90E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
10555	500484.1	3733339	6.619E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.97E-10	2.13E-09	0.00E+00	0.00E+00	3.12E-09
10556	500484.1	3733330	6.667E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
10557	500484.2	3733320	6.718E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
10558	500484.2	3733310	6.773E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
10559	500484.2	3733301	6.831E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
10560	500484.2	3733291	6.892E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
10561	500484.2	3733281	6.956E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.28E-09
10562	500484.2	3733271	7.022E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.31E-09
10563	500484.2	3733262	7.091E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.34E-09
10564	500484.2	3733252	7.162E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
10565	500484.2	3733242	7.235E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-09	1.33E-08	0.00E+00	0.00E+00	2.06E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.41E-09
10566	500510.3	3733552	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.48E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
10567	500506.7	3733561	5.717E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
10568	500503.1	3733570	5.806E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.74E-10	1.86E-09	0.00E+00	0.00E+00	2.74E-09
10569	500499.5	3733579	5.896E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
10570	500495.8	3733587	5.988E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
10571	500492.2	3733596	6.081E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.16E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
10572	500488.6	3733605	6.174E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.30E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
10573	500485	3733613	6.268E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.44E-10	2.01E-09	0.00E+00	0.00E+00	2.96E-09
10574	500481.4	3733622	6.363E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.58E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
10575	500477.7	3733631	6.458E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.72E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09
10576	500474.1	3733639	6.553E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.87E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
10577	500470.5	3733648	6.648E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
10578	500466.9	3733657	6.743E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
10579	500463.3	3733666	6.836E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.22E-09
10580	500459.7	3733674	6.928E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.27E-09
10581	500456	3733683	7.019E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
10582	500452.4	3733692	7.108E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.35E-09
10583	500448.8	3733700	7.195E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
10584	500445.2	3733709	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.43E-09
10585	500441.6	3733718	7.362E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
10586	500437.9	3733727	7.442E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
10587	500411.1	3733774	8.031E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.58E-09	0.00E+00	0.00E+00	3.79E-09
10588	500402.4	3733777	8.279E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
10589	500393.7	3733781	8.532E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.02E-09
10590	500385	3733784	8.789E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
10591	500376.3	3733788	9.052E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.91E-09	0.00E+00	0.00E+00	4.27E-09
10592	500367.6	3733792	9.32E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.40E-09
10593	500358.9	3733795	9.592E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-09	1.77E-08	0.00E+00	0.00E+00	2.73E-08	1.44E-09	3.08E-09	0.00E+00	0.00E+00	4.52E-09
10594	500350.1	3733799	9.868E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
10595	500341.4	3733802	1.015E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
10596	500332.7	3733806	1.042E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.92E-09
10597	500324	3733810	1.071E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.05E-09
10598	500315.3	3733813	1.099E-08	2.03E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.53E-09	0.00E+00	0.00E+00	5.18E-09
10599	500306.6	3733817	1.127E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.08E-08	0.00E+00	0.00E+00	3.20E-08	1.70E-09	3.62E-09	0.00E+00	0.00E+00	5.32E-09
10600	500297.9	3733820	1.155E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.13E-08	0.00E+00	0.00E+00	3.28E-08	1.74E-09	3.71E-09	0.00E+00	0.00E+00	5.45E-09
10601	500289.1	3733824	1.183E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.18E-08	0.00E+00	0.00E+00	3.36E-08	1.78E-09	3.80E-09	0.00E+00	0.00E+00	5.58E-09
10602	500280.4	3733827	1.211E-08	2.23E-08	0.00E+00	0.00E+00	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.23E-08	0.00E+00	0.00E+00	3.44E-08	1.82E-09	3.89E-09	0.00E+00	0.00E+00	5.71E-09
10603	500271.7	3733831	1.238E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	2.28E-08	0.00E+00	0.00E+00	3.52E-08	1.86E-09	3.98E-09	0.00E+00	0.00E+00	5.84E-09
10604	500263	3733835	1.266E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	2.33E-08	0.00E+00	0.00E+00	3.60E-08	1.91E-09	4.06E-09	0.00E+00	0.00E+00	5.97E-09
10605	500254.3	3733838	1.292E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	2.38E-08	0.00E+00	0.00E+00	3.67E-08	1.95E-09	4.15E-09	0.00E+00	0.00E+00	6.10E-09
10606	500245.6	3733842	1.319E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	2.43E-08	0.00E+00	0.00E+00	3.75E-08	1.99E-09	4.23E-09	0.00E+00	0.00E+00	6.22E-09
10607	500236.9	3733845	1.344E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.48E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.32E-09	0.00E+00	0.00E+00	6.34E-09
10608	500228.1	3733849	1.369E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	2.52E-08	0.00E+00	0.00E+00	3.89E-08	2.06E-09	4.40E-09	0.00E+00	0.00E+00	6.46E-09
10609	500219.4	3733853	1.393E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	2.57E-08	0.00E+00	0.00E+00	3.96E-08	2.10E-09	4.47E-09	0.00E+00	0.00E+00	6.57E-09
10610	500513.9	3733544	5.544E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.35E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
10611	500513.9	3733534	5.539E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.34E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10612	500513.9	3733524	5.535E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.33E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10613	500514	3733515	5.531E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.33E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10614	500514	3733505	5.529E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.32E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10615	500514	3733495	5.527E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.32E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10616	500514	3733485	5.527E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.32E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10617	500514	3733476	5.529E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.32E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10618	500514	3733466	5.532E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.33E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10619	500514	3733456	5.537E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.34E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10620	500514	3733446	5.545E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.35E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
10621	500514	3733437	5.554E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.36E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
10622	500514	3733427	5.565E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
10623	500514.1	3733417	5.579E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.40E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
10624	500514.1	3733408	5.596E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.43E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
10625	500514.1	3733398	5.615E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.45E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
10626	500514.1	3733388	5.637E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.49E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
10627	500514.1	3733378	5.662E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.52E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
10628	500514.1	3733369	5.689E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.57E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
10629	500514.1	3733359	5.719E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
10630	500514.1	3733349	5.753E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.66E-10	1.85E-09	0.00E+00	0.00E+00	2.71E-09
10631	500514.1	3733340	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.72E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
10632	500514.1	3733330	5.829E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.07E-08	0.00E+00	0.00E+00	1.66E-08	8.78E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
10633	500514.2	3733320	5.871E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.84E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
10634	500514.2	3733310	5.916E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
10635	500514.2	3733301	5.964E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	8.98E-10	1.92E-09	0.00E+00	0.00E+00	2.81E-09
10636	500514.2	3733291	6.014E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.06E-10	1.93E-09	0.00E+00	0.00E+00	2.84E-09
10637	500514.2	3733281	6.068E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.14E-10	1.95E-09	0.00E+00	0.00E+00	2.86E-09
10638	500514.2	3733271	6.123E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.22E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
10639	500514.2	3733262	6.181E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.31E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
10640	500514.2	3733252	6.241E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.40E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
10641	500514.3	3733213	6.502E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.79E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
10642	500514.3	3733203	6.571E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.89E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
10643	500540.3	3733553	5.011E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
10644	500536.6	3733561	5.087E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	7.66E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
10645	500532.9	3733570	5.164E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.52E-09	0.00E+00	0.00E+00	1.47E-08	7.78E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
10646	500529.2	3733579	5.243E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
10647	500525.6	3733588	5.322E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
10648	500521.9	3733597	5.403E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	8.13E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
10649	500518.2	3733606	5.485E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.26E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
10650	500514.5	3733614	5.568E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
10651	500510.9	3733623	5.652E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
10652	500507.2	3733632	5.736E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
10653	500503.5	3733641	5.821E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.76E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
10654	500499.8	3733650	5.907E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
10655	500496.2	3733659	5.994E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.83E-09
10656	500492.5	3733668	6.079E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.15E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09

10657	500488.8	3733676	6.163E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.28E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
10658	500485.1	3733685	6.246E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.15E-08	0.00E+00	0.00E+00	1.78E-08	9.40E-10	2.01E-09	0.00E+00	0.00E+00	2.95E-09
10659	500481.5	3733694	6.329E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.53E-10	2.03E-09	0.00E+00	0.00E+00	2.99E-09
10660	500477.8	3733703	6.409E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.65E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
10661	500474.1	3733712	6.489E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.84E-08	9.77E-10	2.08E-09	0.00E+00	0.00E+00	3.06E-09
10662	500470.4	3733721	6.567E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.89E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
10663	500448.4	3733774	6.986E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.30E-09
10664	500444.7	3733782	7.046E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
10665	500432.2	3733795	7.316E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
10666	500423.3	3733799	7.535E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.55E-09
10667	500414.5	3733802	7.758E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
10668	500405.6	3733806	7.985E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.77E-09
10669	500396.8	3733810	8.217E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
10670	500387.9	3733813	8.452E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-09	1.56E-08	0.00E+00	0.00E+00	2.40E-08	1.27E-09	2.71E-09	0.00E+00	0.00E+00	3.99E-09
10671	500379.1	3733817	8.691E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
10672	500370.2	3733820	8.934E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.35E-09	2.87E-09	0.00E+00	0.00E+00	4.21E-09
10673	500361.4	3733824	9.179E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-09	1.69E-08	0.00E+00	0.00E+00	2.61E-08	1.38E-09	2.95E-09	0.00E+00	0.00E+00	4.33E-09
10674	500352.5	3733828	9.426E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.45E-09
10675	500343.7	3733831	9.674E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.56E-09
10676	500334.8	3733835	9.924E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.19E-09	0.00E+00	0.00E+00	4.68E-09
10677	500326	3733839	1.018E-08	1.88E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.88E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.27E-09	0.00E+00	0.00E+00	4.80E-09
10678	500317.1	3733842	1.043E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.92E-09
10679	500308.3	3733846	1.068E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.97E-08	0.00E+00	0.00E+00	3.04E-08	1.61E-09	3.43E-09	0.00E+00	0.00E+00	5.04E-09
10680	500299.4	3733850	1.092E-08	2.01E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.01E-08	0.00E+00	0.00E+00	3.11E-08	1.64E-09	3.51E-09	0.00E+00	0.00E+00	5.15E-09
10681	500290.6	3733853	1.117E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	1.68E-09	3.59E-09	0.00E+00	0.00E+00	5.27E-09
10682	500281.7	3733857	1.141E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.67E-09	0.00E+00	0.00E+00	5.38E-09
10683	500272.9	3733861	1.165E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.15E-08	0.00E+00	0.00E+00	3.31E-08	1.75E-09	3.74E-09	0.00E+00	0.00E+00	5.50E-09
10684	500264	3733864	1.189E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.19E-08	0.00E+00	0.00E+00	3.38E-08	1.79E-09	3.82E-09	0.00E+00	0.00E+00	5.61E-09
10685	500255.2	3733868	1.212E-08	2.23E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.23E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.89E-09	0.00E+00	0.00E+00	5.72E-09
10686	500246.3	3733872	1.235E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	2.28E-08	0.00E+00	0.00E+00	3.51E-08	1.86E-09	3.97E-09	0.00E+00	0.00E+00	5.83E-09
10687	500237.5	3733875	1.257E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	2.32E-08	0.00E+00	0.00E+00	3.57E-08	1.89E-09	4.04E-09	0.00E+00	0.00E+00	5.93E-09
10688	500228.6	3733879	1.278E-08	2.36E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.36E-08	0.00E+00	0.00E+00	3.63E-08	1.92E-09	4.11E-09	0.00E+00	0.00E+00	6.03E-09
10689	500219.8	3733882	1.299E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	2.39E-08	0.00E+00	0.00E+00	3.69E-08	1.96E-09	4.17E-09	0.00E+00	0.00E+00	6.13E-09
10690	500543.9	3733544	4.937E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
10691	500543.9	3733534	4.931E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
10692	500543.9	3733524	4.926E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10693	500544	3733515	4.921E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10694	500544	3733505	4.918E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10695	500544	3733495	4.916E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10696	500544	3733485	4.914E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10697	500544	3733476	4.914E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10698	500544	3733466	4.916E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.06E-09	0.00E+00	0.00E+00	1.40E-08	7.40E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10699	500544	3733456	4.919E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10700	500544	3733447	4.924E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10701	500544	3733437	4.931E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
10702	500544	3733427	4.939E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	9.10E-09	0.00E+00	0.00E+00	1.40E-08	7.44E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
10703	500544.1	3733417	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.33E-09
10704	500544.1	3733408	4.963E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.47E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
10705	500544.1	3733398	4.978E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
10706	500544.1	3733388	4.995E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.52E-10	1.60E-09	0.00E+00	0.00E+00	2.36E-09
10707	500544.1	3733378	5.015E-09	9.24E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.43E-08	7.55E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
10708	500544.1	3733369	5.037E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.28E-09	0.00E+00	0.00E+00	1.43E-08	7.58E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
10709	500544.1	3733359	5.062E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	7.62E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
10710	500544.1	3733349	5.089E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	7.66E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
10711	500544.1	3733340	5.118E-09	9.43E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.43E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.64E-09	0.00E+00	0.00E+00	2.41E-09
10712	500544.1	3733330	5.151E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	7.75E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
10713	500544.2	3733320	5.185E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
10714	500544.2	3733310	5.223E-09	9.63E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.63E-09	0.00E+00	0.00E+00	1.48E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
10715	500544.2	3733301	5.262E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	7.92E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
10716	500544.2	3733291	5.304E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	7.99E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
10717	500544.2	3733281	5.349E-09	9.86E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.86E-09	0.00E+00	0.00E+00	1.52E-08	8.05E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
10718	500544.2	3733271	5.396E-09	9.95E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.95E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
10719	500544.3	3733223	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.52E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
10720	500544.3	3733213	5.719E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
10721	500544.3	3733203	5.778E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.70E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
10722	500570.2	3733553	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
10723	500566.5	3733562	4.557E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	8.40E-09	0.00E+00	0.00E+00	1.30E-08	6.86E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
10724	500562.8	3733571	4.625E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.49E-09	0.00E+00	0.00E+00	2.18E-09
10725	500559	3733580	4.693E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
10726	500555.3	3733589	4.763E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	8.78E-09	0.00E+00	0.00E+00	1.35E-08	7.17E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
10727	500551.6	3733598	4.833E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.91E-09	0.00E+00	0.00E+00	1.37E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
10728	500547.9	3733606	4.905E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.58E-09	0.00E+00	0.00E+00	2.31E-09
10729	500544.1	3733615	4.978E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
10730	500540.4	3733624	5.053E-09	9.31E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.31E-09	0.00E+00	0.00E+00	1.44E-08	7.61E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
10731	500536.7	3733633	5.128E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
10732	500533	3733642	5.204E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
10733	500529.2	3733651	5.28E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	9.73E-09	0.00E+00	0.00E+00	1.50E-08	7.95E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
10734	500525.5	3733660	5.356E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	8.06E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
10735	500521.8	3733669	5.433E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.00E-08	0.00E+00	0.00E+00	1.54E-08	8.18E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
10736	500518.1	3733678	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.30E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
10737	500514.3	3733687	5.587E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.41E-10	1.79E-09	0.00E+00	0.00E+00	2.64E-09
10738	500510.6	3733696	5.663E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.53E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
10739	500506.9	3733705	5.737E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
10740	500503.2	3733714	5.811E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
10741	500499.5	3733723	5.884E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.86E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
10742	500480.8	3733768	6.223E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.37E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
10743	500477.1	3733777	6.285E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.46E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
10744	500473.4	3733786	6.345E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.55E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
10745	500469.7	3733795	6.403E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.64E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
10746	500465.9	3733804	6.457E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.72E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09
10747	500453.3	3733816	6.699E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
10748	500444.3	3733820	6.893E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
10749	500435.3	3733824	7.091E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.34E-09
10750	500426.3	3733827	7.293E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
10751	500417.4	3733831	7.498E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.41E-09	0.00E+00	0.00E+00	3.54E-09
10752	500408.4	3733835	7.707E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
10753	500399.4	3733838	7.919E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.74E-09
10754	500390.5	3733842	8.133E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.84E-09
10755	500381.5	3733846	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
10756	500372.5	3733849	8.569E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.75E-09	0.00E+00	0.00E+00	4.04E-09
10757	500363.6	3733853	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.32E-09	2.82E-09	0.00E+00	0.00E+00	4.15E-09
10758	500354.6	3733857	9.011E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
10759	500345.6	3733861	9.235E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-09	1.70E-08	0.00E+00	0.00E+00	2.63E-08	1.39E-09	2.97E-09	0.00E+00	0.00E+00	4.36E-09
10760	500336.7	3733864	9.459E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-09	1.74E-08	0.00E+00	0.00E+00	2.69E-08	1.42E-09	3.04E-09	0.00E+00	0.00E+00	4.46E-09
10761	500327.7	3733868	9.683E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-09	1.78E-08	0.00E+00	0.00E+00	2.75E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
10762	500318.7	3733872	9.906E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.18E-09	0.00E+00	0.00E+00	4.67E-09
10763	500309.8	3733875	1.013E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.87E-08	0.00E+00	0.00E+00	2.88E-08	1.52E-09	3.25E-09	0.00E+00	0.00E+00	4.78E-09
10764	500300.8	3733879	1.035E-08	1.91E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.91E-08	0.00E+00	0.00E+00	2.94E-08	1.56E-09	3.32E-09	0.00E+00	0.00E+00	4.88E-09
10765	500291.8	3733883	1.056E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.00E-08	1.59E-09	3.39E-09	0.00E+00	0.00E+00	4.98E-09
10766	500282.9	3733886	1.078E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
10767	500273.9	3733890	1.099E-08	2.03E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.03E-08	0.00E+00	0.00E+00	3.12E-08	1.65E-09	3.53E-09	0.00E+00	0.00E+00	5.18E-09
10768	500264.9	3733894	1.119E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.18E-08	1.69E-09	3.59E-09	0.00E+00	0.00E+00	5.28E-09
10769	500256	3733898	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.38E-09
10770	500247	3733901	1.159E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.14E-08	0.00E+00	0.00E+00	3.30E-08	1.75E-09	3.72E-09	0.00E+00	0.00E+00	5.47E-09
10771	500238	3733905	1.178E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.17E-08	0.00E+00	0.00E+00	3.35E-08	1.77E-09	3.78E-09	0.00E+00	0.00E+00	5.56E-09
10772	500229	3733909	1.197E-08	2.21E-08	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.21E-08	0.00E+00	0.00E+00	3.40E-08	1.80E-09	3.84E-09	0.00E+00	0.00E+00	5.65E-09
10773	500220.1	3733912	1.215E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	2.24E-08	0.00E+00	0.00E+00	3.45E-08	1.83E-09	3.90E-09	0.00E+00	0.00E+00	5.73E-09
10774	500573.9	3733544	4.425E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	6.66E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
10775	500573.9	3733534	4.419E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
10776	500573.9	3733524	4.414E-09	8.14E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.14E-09	0.00E+00	0.00E+00	1.25E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
10777	500574	3733515	4.409E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
10778	500574	3733505	4.406E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10779	500574	3733495	4.403E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10780	500574	3733485	4.401E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10781	500574	3733476	4.401E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10782	500574	3733466	4.401E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10783	500574	3733456	4.403E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.63E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10784	500574	3733447	4.407E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
10785	500574	3733437	4.413E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
10786	500574	3733427	4.42E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09

10787	500574.1	3733417	4.428E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.16E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
10788	500574.1	3733408	4.439E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.43E-09	0.00E+00	0.00E+00	2.09E-09
10789	500574.1	3733398	4.451E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.27E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
10790	500574.1	3733388	4.465E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
10791	500574.1	3733378	4.481E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.26E-09	0.00E+00	0.00E+00	1.27E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
10792	500574.1	3733369	4.499E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.29E-09	0.00E+00	0.00E+00	1.28E-08	6.77E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
10793	500574.1	3733359	4.519E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
10794	500574.1	3733349	4.542E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
10795	500574.1	3733340	4.566E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
10796	500574.1	3733330	4.593E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.17E-09
10797	500574.2	3733320	4.622E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.52E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
10798	500574.2	3733310	4.653E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
10799	500574.2	3733301	4.686E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
10800	500574.2	3733291	4.721E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
10801	500574.2	3733281	4.759E-09	8.77E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	8.77E-09	0.00E+00	0.00E+00	1.35E-08	7.16E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
10802	500574.2	3733233	4.974E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
10803	500574.3	3733223	5.023E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
10804	500574.3	3733213	5.073E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	9.35E-09	0.00E+00	0.00E+00	1.44E-08	7.64E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
10805	500574.3	3733203	5.125E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
10806	500596.6	3733561	4.102E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
10807	500593	3733570	4.159E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.67E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
10808	500589.3	3733579	4.218E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	6.35E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
10809	500585.7	3733588	4.278E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
10810	500582	3733597	4.338E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	8.00E-09	0.00E+00	0.00E+00	1.23E-08	6.53E-10	1.39E-09	0.00E+00	0.00E+00	2.05E-09
10811	500578.4	3733605	4.4E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
10812	500574.7	3733614	4.463E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
10813	500571.1	3733623	4.526E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.34E-09	0.00E+00	0.00E+00	1.29E-08	6.81E-10	1.45E-09	0.00E+00	0.00E+00	2.14E-09
10814	500567.4	3733632	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.17E-09
10815	500563.8	3733640	4.655E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	8.58E-09	0.00E+00	0.00E+00	1.32E-08	7.01E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
10816	500560.1	3733649	4.721E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
10817	500556.4	3733658	4.787E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
10818	500552.8	3733667	4.853E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.95E-09	0.00E+00	0.00E+00	1.38E-08	7.31E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
10819	500549.1	3733676	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	9.07E-09	0.00E+00	0.00E+00	1.40E-08	7.41E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
10820	500545.5	3733684	4.988E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	9.19E-09	0.00E+00	0.00E+00	1.42E-08	7.51E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
10821	500541.8	3733693	5.055E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	7.61E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
10822	500538.2	3733702	5.121E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	9.44E-09	0.00E+00	0.00E+00	1.46E-08	7.71E-10	1.64E-09	0.00E+00	0.00E+00	2.42E-09
10823	500534.5	3733711	5.186E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.56E-09	0.00E+00	0.00E+00	1.47E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
10824	500530.9	3733720	5.251E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
10825	500509	3733772	5.626E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
10826	500505.3	3733781	5.684E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.56E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
10827	500501.7	3733790	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
10828	500498	3733799	5.793E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.72E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
10829	500494.4	3733807	5.845E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
10830	500490.7	3733816	5.896E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
10831	500487.1	3733825	5.944E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.95E-10	1.91E-09	0.00E+00	0.00E+00	2.80E-09
10832	500474.6	3733837	6.156E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.27E-10	1.98E-09	0.00E+00	0.00E+00	2.90E-09
10833	500465.8	3733841	6.325E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.52E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
10834	500457	3733845	6.496E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.78E-10	2.09E-09	0.00E+00	0.00E+00	3.06E-09
10835	500448.2	3733848	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.15E-09
10836	500439.4	3733852	6.847E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
10837	500430.6	3733856	7.027E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.31E-09
10838	500421.8	3733859	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
10839	500413	3733863	7.395E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.38E-09	0.00E+00	0.00E+00	3.49E-09
10840	500404.2	3733866	7.582E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
10841	500395.4	3733870	7.771E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
10842	500386.6	3733874	7.962E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-09	1.47E-08	0.00E+00	0.00E+00	2.26E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.76E-09
10843	500377.8	3733877	8.154E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
10844	500369	3733881	8.347E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
10845	500360.3	3733885	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	1.57E-08	0.00E+00	0.00E+00	2.43E-08	1.29E-09	2.74E-09	0.00E+00	0.00E+00	4.03E-09
10846	500351.5	3733888	8.733E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-09	1.61E-08	0.00E+00	0.00E+00	2.48E-08	1.31E-09	2.80E-09	0.00E+00	0.00E+00	4.12E-09
10847	500342.7	3733892	8.927E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-09	1.65E-08	0.00E+00	0.00E+00	2.54E-08	1.34E-09	2.87E-09	0.00E+00	0.00E+00	4.21E-09
10848	500333.9	3733895	9.12E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.93E-09	0.00E+00	0.00E+00	4.30E-09
10849	500325.1	3733899	9.312E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.39E-09
10850	500316.3	3733903	9.503E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
10851	500307.5	3733906	9.693E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.11E-09	0.00E+00	0.00E+00	4.57E-09
10852	500298.7	3733910	9.881E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
10853	500289.9	3733914	1.007E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.86E-08	1.52E-09	3.23E-09	0.00E+00	0.00E+00	4.75E-09
10854	500281.1	3733917	1.025E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.89E-08	0.00E+00	0.00E+00	2.91E-08	1.54E-09	3.29E-09	0.00E+00	0.00E+00	4.83E-09
10855	500272.3	3733921	1.043E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.92E-08	0.00E+00	0.00E+00	2.96E-08	1.57E-09	3.35E-09	0.00E+00	0.00E+00	4.92E-09
10856	500263.5	3733924	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.60E-09	3.40E-09	0.00E+00	0.00E+00	5.00E-09
10857	500254.7	3733928	1.077E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	1.99E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.46E-09	0.00E+00	0.00E+00	5.08E-09
10858	500245.9	3733932	1.094E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.02E-08	0.00E+00	0.00E+00	3.11E-08	1.65E-09	3.51E-09	0.00E+00	0.00E+00	5.16E-09
10859	500237.1	3733935	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.05E-08	0.00E+00	0.00E+00	3.16E-08	1.67E-09	3.56E-09	0.00E+00	0.00E+00	5.24E-09
10860	500228.3	3733939	1.125E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.07E-08	0.00E+00	0.00E+00	3.20E-08	1.69E-09	3.61E-09	0.00E+00	0.00E+00	5.31E-09
10861	500219.5	3733943	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.10E-08	0.00E+00	0.00E+00	3.24E-08	1.72E-09	3.66E-09	0.00E+00	0.00E+00	5.38E-09
10862	500604.2	3733252	4.369E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
10863	500604.2	3733242	4.408E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
10864	500604.2	3733233	4.448E-09	8.20E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.20E-09	0.00E+00	0.00E+00	1.26E-08	6.70E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
10865	500604.3	3733223	4.491E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.28E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
10866	500604.3	3733213	4.534E-09	8.36E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	8.36E-09	0.00E+00	0.00E+00	1.29E-08	6.83E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
10867	500604.3	3733203	4.579E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-09	8.44E-09	0.00E+00	0.00E+00	1.30E-08	6.89E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
10868	500630.2	3733553	3.671E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
10869	500626.5	3733562	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.60E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
10870	500622.8	3733571	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
10871	500619.1	3733579	3.821E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
10872	500597	3733633	4.151E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.65E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
10873	500593.3	3733642	4.209E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.76E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
10874	500589.6	3733651	4.267E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.87E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
10875	500585.9	3733659	4.326E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	6.51E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
10876	500582.2	3733668	4.386E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
10877	500578.5	3733677	4.445E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
10878	500574.8	3733686	4.506E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
10879	500571.1	3733695	4.566E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.87E-10	1.47E-09	0.00E+00	0.00E+00	2.15E-09
10880	500567.4	3733704	4.626E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	6.96E-10	1.49E-09	0.00E+00	0.00E+00	2.18E-09
10881	500563.7	3733713	4.686E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.64E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
10882	500560	3733722	4.746E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.75E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
10883	500537.8	3733775	5.093E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
10884	500534.1	3733784	5.148E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	9.49E-09	0.00E+00	0.00E+00	1.46E-08	7.75E-10	1.65E-09	0.00E+00	0.00E+00	2.43E-09
10885	500530.5	3733793	5.202E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.59E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
10886	500526.8	3733802	5.254E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	9.68E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
10887	500523.1	3733811	5.305E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	7.99E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
10888	500519.4	3733819	5.355E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.87E-09	0.00E+00	0.00E+00	1.52E-08	8.06E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
10889	500515.7	3733828	5.403E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.96E-09	0.00E+00	0.00E+00	1.54E-08	8.13E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
10890	500512	3733837	5.449E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.20E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
10891	500508.3	3733846	5.493E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
10892	500495.7	3733859	5.684E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.56E-10	1.83E-09	0.00E+00	0.00E+00	2.68E-09
10893	500486.8	3733862	5.835E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
10894	500477.9	3733866	5.989E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.02E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
10895	500469	3733870	6.145E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.25E-10	1.97E-09	0.00E+00	0.00E+00	2.90E-09
10896	500460.1	3733873	6.305E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.49E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
10897	500451.2	3733877	6.468E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.74E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
10898	500442.3	3733881	6.633E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	9.99E-10	2.13E-09	0.00E+00	0.00E+00	3.13E-09
10899	500433.4	3733884	6.799E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.21E-09
10900	500424.5	3733888	6.967E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-09	1.28E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
10901	500415.6	3733892	7.137E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
10902	500406.7	3733895	7.309E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
10903	500397.8	3733899	7.481E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.40E-09	0.00E+00	0.00E+00	3.53E-09
10904	500388.9	3733903	7.654E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
10905	500380	3733906	7.828E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-09	1.44E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.51E-09	0.00E+00	0.00E+00	3.69E-09
10906	500371.1	3733910	8.003E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
10907	500362.2	3733914	8.177E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-09	1.51E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.86E-09
10908	500353.3	3733917	8.351E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-09	1.54E-08	0.00E+00	0.00E+00	2.37E-08	1.26E-09	2.68E-09	0.00E+00	0.00E+00	3.94E-09
10909	500344.4	3733921	8.525E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.02E-09
10910	500335.5	3733925	8.698E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.79E-09	0.00E+00	0.00E+00	4.10E-09
10911	500326.6	3733928	8.869E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-09	1.63E-08	0.00E+00	0.00E+00	2.52E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.18E-09
10912	500317.7	3733932	9.04E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-09	1.67E-08	0.00E+00	0.00E+00	2.57E-08	1.36E-09	2.90E-09	0.00E+00	0.00E+00	4.26E-09
10913	500308.8	3733936	9.209E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.34E-09
10914	500299.9	3733939	9.376E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
10915	500291	3733943	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.44E-09	3.06E-09	0.00E+00	0.00E+00	4.50E-09
10916	500282.1	3733947	9.7E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-09	1.79E-08	0.00E+00	0.00E+00	2.76E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.58E-09

10917	500273.2	3733950	9.857E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-09	1.82E-08	0.00E+00	0.00E+00	2.80E-08	1.48E-09	3.17E-09	0.00E+00	0.00E+00	4.65E-09
10918	500264.3	3733954	1.001E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	1.85E-08	0.00E+00	0.00E+00	2.85E-08	1.51E-09	3.22E-09	0.00E+00	0.00E+00	4.72E-09
10919	500255.4	3733958	1.016E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	1.87E-08	0.00E+00	0.00E+00	2.89E-08	1.53E-09	3.26E-09	0.00E+00	0.00E+00	4.79E-09
10920	500246.5	3733961	1.031E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.31E-09	0.00E+00	0.00E+00	4.86E-09
10921	500237.6	3733965	1.045E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.93E-08	0.00E+00	0.00E+00	2.97E-08	1.57E-09	3.36E-09	0.00E+00	0.00E+00	4.93E-09
10922	500228.7	3733969	1.059E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	1.95E-08	0.00E+00	0.00E+00	3.01E-08	1.59E-09	3.40E-09	0.00E+00	0.00E+00	4.99E-09
10923	500219.8	3733972	1.072E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.05E-08	1.61E-09	3.44E-09	0.00E+00	0.00E+00	5.05E-09
10924	500633.9	3733544	3.623E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
10925	500634.2	3733262	3.909E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
10926	500634.2	3733252	3.941E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
10927	500634.2	3733242	3.973E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.28E-09	0.00E+00	0.00E+00	1.87E-09
10928	500634.2	3733233	4.008E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
10929	500634.3	3733223	4.044E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.09E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
10930	500634.3	3733213	4.081E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
10931	500634.3	3733204	4.119E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	6.20E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
10932	500660.3	3733553	3.346E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.51E-09	5.04E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
10933	500656.7	3733561	3.388E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
10934	500653	3733570	3.431E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
10935	500649.4	3733579	3.475E-09	6.41E-09	0.00E+00	0.00E+00	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.41E-09	0.00E+00	0.00E+00	9.88E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
10936	500645.7	3733588	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
10937	500642.1	3733596	3.566E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
10938	500638.5	3733605	3.613E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
10939	500634.8	3733614	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.51E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
10940	500631.2	3733623	3.709E-09	6.84E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
10941	500627.6	3733631	3.758E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
10942	500623.9	3733640	3.808E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
10943	500620.3	3733649	3.859E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.11E-09	0.00E+00	0.00E+00	1.10E-08	5.81E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
10944	500594.8	3733710	4.225E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
10945	500591.2	3733719	4.279E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
10946	500587.6	3733728	4.332E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
10947	500583.9	3733736	4.385E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.08E-09	0.00E+00	0.00E+00	1.25E-08	6.60E-10	1.41E-09	0.00E+00	0.00E+00	2.07E-09
10948	500569.4	3733771	4.593E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.47E-09	0.00E+00	0.00E+00	2.17E-09
10949	500565.8	3733780	4.644E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.56E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
10950	500562.1	3733789	4.694E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	7.07E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
10951	500558.5	3733798	4.743E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
10952	500554.9	3733806	4.791E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
10953	500551.2	3733815	4.838E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
10954	500547.6	3733824	4.885E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	9.00E-09	0.00E+00	0.00E+00	1.39E-08	7.35E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
10955	500543.9	3733833	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
10956	500540.3	3733841	4.974E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.17E-09	0.00E+00	0.00E+00	1.41E-08	7.49E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
10957	500536.7	3733850	5.016E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	7.55E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
10958	500533	3733859	5.057E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	7.61E-10	1.62E-09	0.00E+00	0.00E+00	2.39E-09
10959	500529.4	3733867	5.097E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
10960	500517	3733880	5.265E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
10961	500508.3	3733883	5.398E-09	9.95E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.95E-09	0.00E+00	0.00E+00	1.53E-08	8.13E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
10962	500499.5	3733887	5.533E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.33E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
10963	500490.7	3733891	5.67E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.05E-08	0.00E+00	0.00E+00	1.61E-08	8.54E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
10964	500482	3733894	5.809E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
10965	500473.2	3733898	5.951E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
10966	500464.5	3733902	6.095E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.18E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
10967	500455.7	3733905	6.242E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.40E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
10968	500447	3733909	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.62E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
10969	500438.2	3733912	6.539E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.85E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
10970	500429.4	3733916	6.689E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
10971	500420.7	3733920	6.841E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
10972	500411.9	3733923	6.994E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.05E-09	2.25E-09	0.00E+00	0.00E+00	3.30E-09
10973	500403.2	3733927	7.147E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.37E-09
10974	500394.4	3733930	7.3E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
10975	500385.7	3733934	7.454E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.52E-09
10976	500376.9	3733938	7.608E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.15E-09	2.44E-09	0.00E+00	0.00E+00	3.59E-09
10977	500368.1	3733941	7.761E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
10978	500359.4	3733945	7.914E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.46E-08	0.00E+00	0.00E+00	2.25E-08	1.19E-09	2.54E-09	0.00E+00	0.00E+00	3.73E-09
10979	500350.6	3733948	8.067E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	1.49E-08	0.00E+00	0.00E+00	2.29E-08	1.21E-09	2.59E-09	0.00E+00	0.00E+00	3.81E-09
10980	500341.9	3733952	8.218E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
10981	500333.1	3733956	8.369E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	1.54E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
10982	500324.4	3733959	8.517E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.74E-09	0.00E+00	0.00E+00	4.02E-09
10983	500315.6	3733963	8.664E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-09	1.60E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.78E-09	0.00E+00	0.00E+00	4.09E-09
10984	500306.8	3733966	8.809E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-09	1.62E-08	0.00E+00	0.00E+00	2.50E-08	1.33E-09	2.83E-09	0.00E+00	0.00E+00	4.16E-09
10985	500298.1	3733970	8.952E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-09	1.65E-08	0.00E+00	0.00E+00	2.55E-08	1.35E-09	2.87E-09	0.00E+00	0.00E+00	4.22E-09
10986	500289.3	3733974	9.092E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.29E-09
10987	500280.6	3733977	9.231E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
10988	500271.8	3733981	9.365E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-09	1.73E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
10989	500263.1	3733985	9.497E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-09	1.75E-08	0.00E+00	0.00E+00	2.70E-08	1.43E-09	3.05E-09	0.00E+00	0.00E+00	4.48E-09
10990	500254.3	3733988	9.625E-09	1.77E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-09	1.77E-08	0.00E+00	0.00E+00	2.74E-08	1.45E-09	3.09E-09	0.00E+00	0.00E+00	4.54E-09
10991	500245.5	3733992	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-09	1.80E-08	0.00E+00	0.00E+00	2.77E-08	1.47E-09	3.13E-09	0.00E+00	0.00E+00	4.60E-09
10992	500236.8	3733995	9.871E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
10993	500228	3733999	9.987E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-09	1.84E-08	0.00E+00	0.00E+00	2.84E-08	1.50E-09	3.21E-09	0.00E+00	0.00E+00	4.71E-09
10994	500219.3	3734003	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	1.86E-08	0.00E+00	0.00E+00	2.87E-08	1.52E-09	3.24E-09	0.00E+00	0.00E+00	4.76E-09
10995	500663.9	3733544	3.306E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.09E-09	0.00E+00	0.00E+00	9.40E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
10996	500664.2	3733272	3.523E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
10997	500664.2	3733262	3.549E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
10998	500664.2	3733252	3.576E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
10999	500664.2	3733242	3.605E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
11000	500664.2	3733233	3.634E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
11001	500664.3	3733223	3.665E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.76E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
11002	500664.3	3733213	3.697E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.57E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
11003	500664.3	3733204	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
11004	500690.3	3733553	3.065E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.65E-09	0.00E+00	0.00E+00	8.72E-09	4.62E-10	9.84E-10	0.00E+00	0.00E+00	1.45E-09
11005	500686.6	3733562	3.102E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.82E-09	4.67E-10	9.96E-10	0.00E+00	0.00E+00	1.46E-09
11006	500682.9	3733570	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
11007	500679.2	3733579	3.178E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
11008	500675.6	3733588	3.218E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	4.85E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
11009	500671.9	3733597	3.259E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
11010	500668.2	3733606	3.301E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.38E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
11011	500664.5	3733615	3.343E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.51E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
11012	500660.9	3733623	3.387E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
11013	500657.2	3733632	3.431E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
11014	500653.5	3733641	3.476E-09	6.41E-09	0.00E+00	0.00E+00	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.41E-09	0.00E+00	0.00E+00	9.88E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
11015	500649.8	3733650	3.521E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	6.49E-09	0.00E+00	0.00E+00	1.00E-08	5.30E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
11016	500646.2	3733659	3.567E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
11017	500642.5	3733668	3.613E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
11018	500638.8	3733677	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.51E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
11019	500635.1	3733685	3.707E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
11020	500631.5	3733694	3.754E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
11021	500627.8	3733703	3.803E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.01E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
11022	500594.7	3733783	4.235E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.20E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
11023	500591	3733791	4.282E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
11024	500587.4	3733800	4.329E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
11025	500583.7	3733809	4.374E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	6.59E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
11026	500580	3733818	4.419E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	6.65E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
11027	500576.3	3733827	4.463E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
11028	500572.7	3733836	4.507E-09	8.31E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	8.31E-09	0.00E+00	0.00E+00	1.28E-08	6.79E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
11029	500569	3733844	4.549E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	6.85E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
11030	500565.3	3733853	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.46E-09	0.00E+00	0.00E+00	1.31E-08	6.91E-10	1.47E-09	0.00E+00	0.00E+00	2.17E-09
11031	500561.6	3733862	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	8.53E-09	0.00E+00	0.00E+00	1.32E-08	6.97E-10	1.49E-09	0.00E+00	0.00E+00	2.18E-09
11032	500558	3733871	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
11033	500554.3	3733880	4.708E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.68E-09	0.00E+00	0.00E+00	1.34E-08	7.09E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
11034	500550.6	3733889	4.744E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
11035	500538.1	3733901	4.897E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.37E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
11036	500529.2	3733905	5.018E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.25E-09	0.00E+00	0.00E+00	1.43E-08	7.55E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
11037	500520.4	3733908	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	7.74E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
11038	500511.5	3733912	5.265E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.70E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
11039	500502.7	3733916	5.391E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.94E-09	0.00E+00	0.00E+00	1.53E-08	8.12E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
11040	500493.8	3733919	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.31E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
11041	500485	3733923	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.81E-09	0.00E+00	0.00E+00	2.67E-09
11042	500476.1	3733927	5.782E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.07E-08	0.00E+00	0.00E+00	1.64E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
11043	500467.3	3733930	5.916E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
11044	500458.4	3733934	6.051E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
11045	500449.6	3733938	6.187E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.32E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
11046	500440.7	3733941	6.324E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.52E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09

11047	500431.9	3733945	6.463E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
11048	500423	3733949	6.602E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.94E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
11049	500414.2	3733952	6.742E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.18E-09
11050	500405.3	3733956	6.882E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
11051	500396.5	3733960	7.023E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.31E-09
11052	500387.6	3733963	7.163E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.30E-09	0.00E+00	0.00E+00	3.38E-09
11053	500378.8	3733967	7.303E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
11054	500369.9	3733970	7.443E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-09	1.37E-08	0.00E+00	0.00E+00	2.12E-08	1.12E-09	2.39E-09	0.00E+00	0.00E+00	3.51E-09
11055	500361.1	3733974	7.581E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.43E-09	0.00E+00	0.00E+00	3.58E-09
11056	500352.2	3733978	7.718E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.42E-08	0.00E+00	0.00E+00	2.19E-08	1.16E-09	2.48E-09	0.00E+00	0.00E+00	3.64E-09
11057	500343.4	3733981	7.855E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.71E-09
11058	500334.5	3733985	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.57E-09	0.00E+00	0.00E+00	3.77E-09
11059	500325.7	3733989	8.123E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-09	1.50E-08	0.00E+00	0.00E+00	2.31E-08	1.22E-09	2.61E-09	0.00E+00	0.00E+00	3.83E-09
11060	500316.8	3733992	8.255E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.89E-09
11061	500308	3733996	8.384E-09	1.55E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-09	1.55E-08	0.00E+00	0.00E+00	2.38E-08	1.26E-09	2.69E-09	0.00E+00	0.00E+00	3.95E-09
11062	500299.1	3734000	8.512E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-09	1.57E-08	0.00E+00	0.00E+00	2.42E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.02E-09
11063	500290.3	3734003	8.637E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-09	1.59E-08	0.00E+00	0.00E+00	2.46E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
11064	500281.4	3734007	8.759E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
11065	500272.6	3734011	8.878E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-09	1.64E-08	0.00E+00	0.00E+00	2.52E-08	1.34E-09	2.85E-09	0.00E+00	0.00E+00	4.19E-09
11066	500263.7	3734014	8.994E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.35E-09	2.89E-09	0.00E+00	0.00E+00	4.24E-09
11067	500254.9	3734018	9.108E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-09	1.68E-08	0.00E+00	0.00E+00	2.59E-08	1.37E-09	2.92E-09	0.00E+00	0.00E+00	4.30E-09
11068	500246	3734022	9.217E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	1.70E-08	0.00E+00	0.00E+00	2.62E-08	1.39E-09	2.96E-09	0.00E+00	0.00E+00	4.35E-09
11069	500237.2	3734025	9.323E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-09	1.72E-08	0.00E+00	0.00E+00	2.65E-08	1.40E-09	2.99E-09	0.00E+00	0.00E+00	4.40E-09
11070	500228.3	3734029	9.426E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-09	1.74E-08	0.00E+00	0.00E+00	2.68E-08	1.42E-09	3.03E-09	0.00E+00	0.00E+00	4.45E-09
11071	500219.5	3734032	9.525E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-09	1.76E-08	0.00E+00	0.00E+00	2.71E-08	1.43E-09	3.06E-09	0.00E+00	0.00E+00	4.49E-09
11072	500693.9	3733544	3.029E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.58E-09	0.00E+00	0.00E+00	8.61E-09	4.56E-10	9.73E-10	0.00E+00	0.00E+00	1.43E-09
11073	500694.2	3733291	3.177E-09	5.86E-09	0.00E+00	0.00E+00	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.03E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
11074	500694.2	3733281	3.197E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
11075	500694.2	3733272	3.218E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.93E-09	0.00E+00	0.00E+00	9.15E-09	4.85E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
11076	500694.2	3733262	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
11077	500694.2	3733252	3.264E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.02E-09	0.00E+00	0.00E+00	9.28E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
11078	500694.2	3733242	3.288E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
11079	500694.2	3733233	3.314E-09	6.11E-09	0.00E+00	0.00E+00	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.11E-09	0.00E+00	0.00E+00	9.42E-09	4.99E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
11080	500694.3	3733223	3.341E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
11081	500694.3	3733213	3.368E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
11082	500694.3	3733204	3.397E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
11083	500730.2	3733553	2.745E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.82E-10	0.00E+00	0.00E+00	1.29E-09
11084	500726.5	3733562	2.776E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.92E-10	0.00E+00	0.00E+00	1.31E-09
11085	500722.9	3733571	2.808E-09	5.18E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.98E-09	4.23E-10	9.02E-10	0.00E+00	0.00E+00	1.32E-09
11086	500719.2	3733579	2.841E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	4.28E-10	9.12E-10	0.00E+00	0.00E+00	1.34E-09
11087	500715.5	3733588	2.875E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
11088	500711.8	3733597	2.909E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
11089	500708.1	3733606	2.945E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	4.43E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
11090	500704.4	3733615	2.981E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.49E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
11091	500700.7	3733624	3.017E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.56E-09	0.00E+00	0.00E+00	8.58E-09	4.54E-10	9.69E-10	0.00E+00	0.00E+00	1.42E-09
11092	500697	3733633	3.055E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
11093	500693.3	3733642	3.093E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.66E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
11094	500689.6	3733651	3.131E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.77E-09	0.00E+00	0.00E+00	8.90E-09	4.71E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
11095	500685.9	3733659	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
11096	500682.2	3733668	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
11097	500678.6	3733677	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
11098	500674.9	3733686	3.291E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
11099	500671.2	3733695	3.332E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
11100	500667.5	3733704	3.374E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
11101	500641.6	3733766	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
11102	500637.9	3733775	3.713E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
11103	500634.3	3733784	3.755E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
11104	500630.6	3733793	3.797E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
11105	500626.9	3733801	3.839E-09	7.08E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.08E-09	0.00E+00	0.00E+00	1.09E-08	5.78E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
11106	500623.2	3733810	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.15E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
11107	500619.5	3733819	3.921E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.11E-08	5.90E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
11108	500615.8	3733828	3.962E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
11109	500612.1	3733837	4.003E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
11110	500590	3733890	4.228E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
11111	500586.3	3733899	4.263E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
11112	500582.6	3733908	4.297E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
11113	500578.9	3733917	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	7.98E-09	0.00E+00	0.00E+00	1.23E-08	6.52E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
11114	500566.3	3733929	4.465E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.11E-09
11115	500557.4	3733933	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.42E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
11116	500548.5	3733937	4.678E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.62E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
11117	500539.6	3733940	4.788E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.82E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
11118	500530.7	3733944	4.899E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
11119	500521.8	3733948	5.012E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	9.24E-09	0.00E+00	0.00E+00	1.42E-08	7.55E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
11120	500512.9	3733951	5.126E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
11121	500504.1	3733955	5.241E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.66E-09	0.00E+00	0.00E+00	1.49E-08	7.89E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
11122	500495.2	3733959	5.358E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	9.88E-09	0.00E+00	0.00E+00	1.52E-08	8.07E-10	1.72E-09	0.00E+00	0.00E+00	2.53E-09
11123	500486.3	3733962	5.476E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.25E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
11124	500477.4	3733966	5.596E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
11125	500468.5	3733970	5.716E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
11126	500459.6	3733973	5.837E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.79E-10	1.87E-09	0.00E+00	0.00E+00	2.75E-09
11127	500450.7	3733977	5.959E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.97E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
11128	500441.8	3733981	6.081E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.16E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
11129	500432.9	3733984	6.204E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.34E-10	1.99E-09	0.00E+00	0.00E+00	2.93E-09
11130	500424	3733988	6.327E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.53E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
11131	500415.1	3733992	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-09	1.19E-08	0.00E+00	0.00E+00	1.83E-08	9.71E-10	2.07E-09	0.00E+00	0.00E+00	3.04E-09
11132	500406.3	3733995	6.574E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.90E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
11133	500397.4	3733999	6.697E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.23E-08	0.00E+00	0.00E+00	1.90E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
11134	500388.5	3734003	6.82E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.22E-09
11135	500379.6	3734006	6.942E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.28E-08	0.00E+00	0.00E+00	1.97E-08	1.05E-09	2.23E-09	0.00E+00	0.00E+00	3.27E-09
11136	500370.7	3734010	7.063E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
11137	500361.8	3734014	7.184E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.32E-08	0.00E+00	0.00E+00	2.04E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
11138	500352.9	3734017	7.303E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.44E-09
11139	500344	3734021	7.421E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.50E-09
11140	500335.1	3734025	7.537E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-09	1.39E-08	0.00E+00	0.00E+00	2.14E-08	1.13E-09	2.42E-09	0.00E+00	0.00E+00	3.56E-09
11141	500326.2	3734028	7.652E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.41E-08	0.00E+00	0.00E+00	2.18E-08	1.15E-09	2.46E-09	0.00E+00	0.00E+00	3.61E-09
11142	500317.3	3734032	7.764E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
11143	500308.4	3734036	7.875E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.45E-08	0.00E+00	0.00E+00	2.24E-08	1.19E-09	2.53E-09	0.00E+00	0.00E+00	3.71E-09
11144	500299.6	3734039	7.984E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-09	1.47E-08	0.00E+00	0.00E+00	2.27E-08	1.20E-09	2.56E-09	0.00E+00	0.00E+00	3.77E-09
11145	500290.7	3734043	8.09E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
11146	500281.8	3734047	8.194E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-09	1.51E-08	0.00E+00	0.00E+00	2.33E-08	1.23E-09	2.63E-09	0.00E+00	0.00E+00	3.87E-09
11147	500272.9	3734050	8.295E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-09	1.53E-08	0.00E+00	0.00E+00	2.36E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.91E-09
11148	500264	3734054	8.394E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-09	1.55E-08	0.00E+00	0.00E+00	2.39E-08	1.26E-09	2.70E-09	0.00E+00	0.00E+00	3.96E-09
11149	500255.1	3734058	8.489E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	1.56E-08	0.00E+00	0.00E+00	2.41E-08	1.28E-09	2.73E-09	0.00E+00	0.00E+00	4.00E-09
11150	500246.2	3734061	8.582E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-09	1.58E-08	0.00E+00	0.00E+00	2.44E-08	1.29E-09	2.76E-09	0.00E+00	0.00E+00	4.05E-09
11151	500237.3	3734065	8.672E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-09	1.60E-08	0.00E+00	0.00E+00	2.47E-08	1.31E-09	2.78E-09	0.00E+00	0.00E+00	4.09E-09
11152	500228.4	3734069	8.758E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-09	1.61E-08	0.00E+00	0.00E+00	2.49E-08	1.32E-09	2.81E-09	0.00E+00	0.00E+00	4.13E-09
11153	500219.5	3734072	8.841E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-09	1.63E-08	0.00E+00	0.00E+00	2.51E-08	1.33E-09	2.84E-09	0.00E+00	0.00E+00	4.17E-09
11154	500733.9	3733544	2.715E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.72E-09	4.09E-10	8.72E-10	0.00E+00	0.00E+00	1.28E-09
11155	500734.2	3733311	2.808E-09	5.18E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.98E-09	4.23E-10	9.02E-10	0.00E+00	0.00E+00	1.32E-09
11156	500734.2	3733301	2.822E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	4.25E-10	9.06E-10	0.00E+00	0.00E+00	1.33E-09
11157	500734.2	3733291	2.838E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	4.27E-10	9.11E-10	0.00E+00	0.00E+00	1.34E-09
11158	500734.2	3733281	2.854E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
11159	500734.2	3733272	2.872E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
11160	500734.2	3733262	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.33E-09	0.00E+00	0.00E+00	8.22E-09	4.35E-10	9.28E-10	0.00E+00	0.00E+00	1.36E-09
11161	500734.2	3733252	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
11162	500734.2	3733243	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.40E-09	0.00E+00	0.00E+00	8.33E-09	4.41E-10	9.41E-10	0.00E+00	0.00E+00	1.38E-09
11163	500734.2	3733233	2.951E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.48E-10	0.00E+00	0.00E+00	1.39E-09
11164	500734.3	3733223	2.974E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	4.48E-10	9.55E-10	0.00E+00	0.00E+00	1.40E-09
11165	500734.3	3733213	2.997E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
11166	500734.3	3733204	3.021E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.59E-09	4.55E-10	9.70E-10	0.00E+00	0.00E+00	1.42E-09
11167	500770.2	3733553	2.476E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	3.73E-10	7.95E-10	0.00E+00	0.00E+00	1.17E-09
11168	500766.5	3733562	2.503E-09	4.61E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.04E-10	0.00E+00	0.00E+00	1.18E-09
11169	500762.8	3733571	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
11170	500759.1	3733580	2.558E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
11171	500755.4	3733589	2.587E-09	4.77E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.31E-10	0.00E+00	0.00E+00	1.22E-09
11172	500751.7	3733597	2.616E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
11173	500748	3733606	2.646E-09	4.88E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.52E-09	3.98E-10	8.50E-10	0.00E+00	0.00E+00	1.25E-09
11174	500744.3	3733615	2.677E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.93E-09	0.00E+00	0.00E+00	7.61E-09	4.03E-10	8.60E-10	0.00E+00	0.00E+00	1.26E-09
11175	500740.6	3733624	2.708E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
11176	500736.9	3733633	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.13E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09

11177	500733.2	3733642	2.773E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09
11178	500729.4	3733651	2.806E-09	5.17E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.17E-09	0.00E+00	0.00E+00	7.98E-09	4.22E-10	9.01E-10	0.00E+00	0.00E+00	1.32E-09
11179	500725.7	3733660	2.839E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.23E-09	0.00E+00	0.00E+00	8.07E-09	4.27E-10	9.12E-10	0.00E+00	0.00E+00	1.34E-09
11180	500722	3733669	2.874E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
11181	500718.3	3733678	2.908E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
11182	500714.6	3733687	2.943E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	4.43E-10	9.45E-10	0.00E+00	0.00E+00	1.39E-09
11183	500710.9	3733696	2.979E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	5.49E-09	0.00E+00	0.00E+00	8.47E-09	4.48E-10	9.57E-10	0.00E+00	0.00E+00	1.41E-09
11184	500707.2	3733704	3.015E-09	5.56E-09	0.00E+00	0.00E+00	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	5.56E-09	0.00E+00	0.00E+00	8.57E-09	4.54E-10	9.68E-10	0.00E+00	0.00E+00	1.42E-09
11185	500681.3	3733767	3.274E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
11186	500677.6	3733776	3.312E-09	6.10E-09	0.00E+00	0.00E+00	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.42E-09	4.99E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
11187	500673.9	3733785	3.349E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.17E-09	0.00E+00	0.00E+00	9.52E-09	5.04E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
11188	500670.1	3733794	3.387E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.24E-09	0.00E+00	0.00E+00	9.63E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
11189	500666.4	3733803	3.424E-09	6.31E-09	0.00E+00	0.00E+00	9.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.74E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
11190	500662.7	3733811	3.462E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
11191	500659	3733820	3.499E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.95E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
11192	500655.3	3733829	3.536E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.52E-09	0.00E+00	0.00E+00	1.01E-08	5.32E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
11193	500651.6	3733838	3.573E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
11194	500647.9	3733847	3.609E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
11195	500644.2	3733856	3.645E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
11196	500640.5	3733865	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
11197	500636.8	3733874	3.715E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
11198	500610.8	3733936	3.943E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	5.94E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
11199	500585.6	3733962	4.185E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
11200	500576.6	3733965	4.279E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
11201	500567.7	3733969	4.375E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	6.59E-10	1.41E-09	0.00E+00	0.00E+00	2.06E-09
11202	500558.8	3733973	4.473E-09	8.24E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	8.24E-09	0.00E+00	0.00E+00	1.27E-08	6.73E-10	1.44E-09	0.00E+00	0.00E+00	2.11E-09
11203	500549.9	3733976	4.572E-09	8.43E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	8.43E-09	0.00E+00	0.00E+00	1.30E-08	6.88E-10	1.47E-09	0.00E+00	0.00E+00	2.16E-09
11204	500540.9	3733980	4.673E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
11205	500532	3733984	4.775E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.80E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
11206	500523.1	3733987	4.878E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	8.99E-09	0.00E+00	0.00E+00	1.39E-08	7.34E-10	1.57E-09	0.00E+00	0.00E+00	2.30E-09
11207	500514.2	3733991	4.983E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
11208	500505.2	3733995	5.088E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.38E-09	0.00E+00	0.00E+00	1.45E-08	7.66E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
11209	500496.3	3733998	5.194E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	7.82E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
11210	500487.4	3734002	5.301E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	7.98E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
11211	500478.4	3734006	5.409E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	9.97E-09	0.00E+00	0.00E+00	1.54E-08	8.14E-10	1.74E-09	0.00E+00	0.00E+00	2.55E-09
11212	500469.5	3734009	5.517E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.31E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
11213	500460.6	3734013	5.625E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
11214	500451.7	3734017	5.734E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.63E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
11215	500442.7	3734020	5.843E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
11216	500433.8	3734024	5.952E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
11217	500424.9	3734028	6.061E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.13E-10	1.95E-09	0.00E+00	0.00E+00	2.86E-09
11218	500416	3734031	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.14E-08	0.00E+00	0.00E+00	1.75E-08	9.29E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
11219	500407	3734035	6.278E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.45E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
11220	500398.1	3734039	6.386E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.62E-10	2.05E-09	0.00E+00	0.00E+00	3.01E-09
11221	500389.2	3734042	6.493E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.78E-10	2.09E-09	0.00E+00	0.00E+00	3.06E-09
11222	500380.3	3734046	6.6E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.94E-10	2.12E-09	0.00E+00	0.00E+00	3.11E-09
11223	500371.3	3734050	6.706E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.15E-09	0.00E+00	0.00E+00	3.16E-09
11224	500362.4	3734053	6.811E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
11225	500353.5	3734057	6.915E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
11226	500344.5	3734061	7.017E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.29E-08	0.00E+00	0.00E+00	1.99E-08	1.06E-09	2.25E-09	0.00E+00	0.00E+00	3.31E-09
11227	500335.6	3734065	7.117E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.36E-09
11228	500326.7	3734068	7.216E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
11229	500317.8	3734072	7.313E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-09	1.35E-08	0.00E+00	0.00E+00	2.08E-08	1.10E-09	2.35E-09	0.00E+00	0.00E+00	3.45E-09
11230	500308.8	3734076	7.408E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-09	1.37E-08	0.00E+00	0.00E+00	2.11E-08	1.12E-09	2.38E-09	0.00E+00	0.00E+00	3.49E-09
11231	500299.9	3734079	7.501E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.38E-08	0.00E+00	0.00E+00	2.13E-08	1.13E-09	2.41E-09	0.00E+00	0.00E+00	3.54E-09
11232	500291	3734083	7.592E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.40E-08	0.00E+00	0.00E+00	2.16E-08	1.14E-09	2.44E-09	0.00E+00	0.00E+00	3.58E-09
11233	500282.1	3734087	7.681E-09	1.42E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.42E-08	0.00E+00	0.00E+00	2.18E-08	1.16E-09	2.47E-09	0.00E+00	0.00E+00	3.62E-09
11234	500273.1	3734090	7.768E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.49E-09	0.00E+00	0.00E+00	3.66E-09
11235	500264.2	3734094	7.852E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.45E-08	0.00E+00	0.00E+00	2.23E-08	1.18E-09	2.52E-09	0.00E+00	0.00E+00	3.70E-09
11236	500255.3	3734098	7.933E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.46E-08	0.00E+00	0.00E+00	2.26E-08	1.19E-09	2.55E-09	0.00E+00	0.00E+00	3.74E-09
11237	500246.3	3734101	8.012E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
11238	500237.4	3734105	8.088E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-09	1.49E-08	0.00E+00	0.00E+00	2.30E-08	1.22E-09	2.60E-09	0.00E+00	0.00E+00	3.82E-09
11239	500228.5	3734109	8.161E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.50E-08	0.00E+00	0.00E+00	2.32E-08	1.23E-09	2.62E-09	0.00E+00	0.00E+00	3.85E-09
11240	500219.6	3734112	8.231E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	1.52E-08	0.00E+00	0.00E+00	2.34E-08	1.24E-09	2.64E-09	0.00E+00	0.00E+00	3.88E-09
11241	500773.9	3733544	2.408E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.85E-09	3.63E-10	7.73E-10	0.00E+00	0.00E+00	1.14E-09
11242	500774.2	3733320	2.518E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.09E-10	0.00E+00	0.00E+00	1.19E-09
11243	500774.2	3733311	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.12E-10	0.00E+00	0.00E+00	1.19E-09
11244	500774.2	3733301	2.542E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.69E-09	0.00E+00	0.00E+00	7.23E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
11245	500774.2	3733291	2.555E-09	4.71E-09	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.71E-09	0.00E+00	0.00E+00	7.26E-09	3.85E-10	8.21E-10	0.00E+00	0.00E+00	1.21E-09
11246	500774.2	3733281	2.569E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.87E-10	8.25E-10	0.00E+00	0.00E+00	1.21E-09
11247	500774.2	3733272	2.584E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.30E-10	0.00E+00	0.00E+00	1.22E-09
11248	500774.2	3733262	2.599E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.91E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
11249	500774.2	3733252	2.615E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.82E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.40E-10	0.00E+00	0.00E+00	1.23E-09
11250	500774.2	3733243	2.632E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	3.96E-10	8.45E-10	0.00E+00	0.00E+00	1.24E-09
11251	500774.2	3733233	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.88E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.51E-10	0.00E+00	0.00E+00	1.25E-09
11252	500774.3	3733223	2.669E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
11253	500774.3	3733213	2.688E-09	4.96E-09	0.00E+00	0.00E+00	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.64E-09	4.05E-10	8.63E-10	0.00E+00	0.00E+00	1.27E-09
11254	500774.3	3733204	2.708E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.70E-09	4.08E-10	8.70E-10	0.00E+00	0.00E+00	1.28E-09
11255	500810.2	3733553	2.202E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	3.32E-10	7.07E-10	0.00E+00	0.00E+00	1.04E-09
11256	500806.5	3733562	2.225E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
11257	500802.8	3733571	2.248E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
11258	500799	3733580	2.273E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.30E-10	0.00E+00	0.00E+00	1.07E-09
11259	500795.3	3733589	2.298E-09	4.24E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
11260	500791.6	3733598	2.325E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	3.50E-10	7.47E-10	0.00E+00	0.00E+00	1.10E-09
11261	500787.9	3733607	2.351E-09	4.33E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.33E-09	0.00E+00	0.00E+00	6.69E-09	3.54E-10	7.55E-10	0.00E+00	0.00E+00	1.11E-09
11262	500784.2	3733616	2.379E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.76E-09	3.58E-10	7.64E-10	0.00E+00	0.00E+00	1.12E-09
11263	500780.4	3733625	2.407E-09	4.44E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.73E-10	0.00E+00	0.00E+00	1.14E-09
11264	500776.7	3733634	2.435E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
11265	500773	3733642	2.463E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	3.71E-10	7.91E-10	0.00E+00	0.00E+00	1.16E-09
11266	500769.3	3733651	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	8.00E-10	0.00E+00	0.00E+00	1.17E-09
11267	500765.6	3733660	2.517E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
11268	500761.9	3733669	2.547E-09	4.69E-09	0.00E+00	0.00E+00	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.69E-09	0.00E+00	0.00E+00	7.24E-09	3.83E-10	8.18E-10	0.00E+00	0.00E+00	1.20E-09
11269	500758.1	3733678	2.578E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.28E-10	0.00E+00	0.00E+00	1.22E-09
11270	500754.4	3733687	2.609E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
11271	500750.7	3733696	2.641E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
11272	500747	3733705	2.673E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.93E-09	0.00E+00	0.00E+00	7.60E-09	4.03E-10	8.59E-10	0.00E+00	0.00E+00	1.26E-09
11273	500720.9	3733768	2.899E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.31E-10	0.00E+00	0.00E+00	1.37E-09
11274	500717.2	3733777	2.933E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	5.41E-09	0.00E+00	0.00E+00	8.34E-09	4.42E-10	9.42E-10	0.00E+00	0.00E+00	1.38E-09
11275	500713.5	3733786	2.967E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.44E-09	4.47E-10	9.53E-10	0.00E+00	0.00E+00	1.40E-09
11276	500709.8	3733795	3.038E-09	5.60E-09	0.00E+00	0.00E+00	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.60E-09	0.00E+00	0.00E+00	8.64E-09	4.57E-10	9.76E-10	0.00E+00	0.00E+00	1.43E-09
11277	500706.1	3733804	3.071E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	5.66E-09	0.00E+00	0.00E+00	8.73E-09	4.62E-10	9.86E-10	0.00E+00	0.00E+00	1.45E-09
11278	500702.3	3733812	3.105E-09	5.72E-09	0.00E+00	0.00E+00	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.83E-09	4.67E-10	9.97E-10	0.00E+00	0.00E+00	1.46E-09
11279	500698.6	3733821	3.138E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
11280	500694.9	3733830	3.171E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
11281	500691.2	3733839	3.204E-09	5.91E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.91E-09	0.00E+00	0.00E+00	9.11E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
11282	500687.5	3733848	3.201E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.10E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
11283	500683.7	3733857	3.234E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
11284	500680	3733866	3.303E-09	6.09E-09	0.00E+00	0.00E+00	9.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.09E-09	0.00E+00	0.00E+00	9.39E-09	4.97E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
11285	500676.3	3733875	3.335E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
11286	500672.6	3733884	3.367E-09	6.21E-09	0.00E+00	0.00E+00	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.57E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
11287	500668.9	3733893	3.399E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
11288	500665.1	3733902	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.32E-09	0.00E+00	0.00E+00	9.75E-09	5.16E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
11289	500661.4	3733911	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
11290	500650.3	3733938	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
11291	500646.5	3733947	3.578E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
11292	500642.8	3733956	3.606E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
11293	500586.9	3734001	4.104E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
11294	500577.9	3734005	4.192E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	6.31E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
11295	500569	3734008	4.281E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
11296	500560	3734012	4.371E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.06E-09	0.00E+00	0.00E+00	1.24E-08	6.58E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
11297	500551	3734016	4.462E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.23E-09	0.00E+00	0.00E+00	1.27E-08	6.72E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
11298	500542.1	3734019	4.555E-09	8.40E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	8.40E-09	0.00E+00	0.00E+00	1.29E-08	6.86E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
11299	500533.1	3734023	4.648E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
11300	500524.2	3734027	4.742E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	8.74E-09	0.00E+00	0.00E+00	1.35E-08	7.14E-10	1.52E-09	0.00E+00	0.00E+00	2.24E-09
11301	500515.2	3734030	4.837E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	8.92E-09	0.00E+00	0.00E+00	1.38E-08	7.28E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
11302	500506.3	3734034	4.933E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.43E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
11303	500497.3	3734038	5.029E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	9.27E-09	0.00E+00	0.00E+00	1.43E-08	7.57E-10	1.62E-09	0.00E+00	0.00E+00	2.37E-09
11304	500488.3	3734042	5.126E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
11305	500479.4	3734045	5.223E-09	9.63E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.63E-09	0.00E+00	0.00E+00	1.48E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
11306	500470.4	3734049	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09

11307	500461.5	3734053	5.418E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
11308	500452.5	3734056	5.515E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.30E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
11309	500443.5	3734060	5.612E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-09	1.03E-08	0.00E+00	0.00E+00	1.60E-08	8.45E-10	1.80E-09	0.00E+00	0.00E+00	2.65E-09
11310	500434.6	3734064	5.708E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.59E-10	1.83E-09	0.00E+00	0.00E+00	2.69E-09
11311	500425.6	3734067	5.805E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.74E-10	1.86E-09	0.00E+00	0.00E+00	2.74E-09
11312	500416.7	3734071	5.901E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.90E-09	0.00E+00	0.00E+00	2.78E-09
11313	500407.7	3734075	5.996E-09	1.11E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-09	1.11E-08	0.00E+00	0.00E+00	1.70E-08	9.03E-10	1.93E-09	0.00E+00	0.00E+00	2.83E-09
11314	500398.7	3734078	6.091E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.17E-10	1.96E-09	0.00E+00	0.00E+00	2.87E-09
11315	500389.8	3734082	6.185E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.31E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
11316	500380.8	3734086	6.278E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.45E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
11317	500371.9	3734090	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.59E-10	2.05E-09	0.00E+00	0.00E+00	3.00E-09
11318	500362.9	3734093	6.461E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.07E-09	0.00E+00	0.00E+00	3.05E-09
11319	500354	3734097	6.551E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	1.21E-08	0.00E+00	0.00E+00	1.86E-08	9.86E-10	2.10E-09	0.00E+00	0.00E+00	3.09E-09
11320	500345	3734101	6.639E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.22E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.13E-09	0.00E+00	0.00E+00	3.13E-09
11321	500336	3734104	6.727E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
11322	500327.1	3734108	6.812E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.26E-08	0.00E+00	0.00E+00	1.94E-08	1.03E-09	2.19E-09	0.00E+00	0.00E+00	3.21E-09
11323	500318.1	3734112	6.896E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.27E-08	0.00E+00	0.00E+00	1.96E-08	1.04E-09	2.21E-09	0.00E+00	0.00E+00	3.25E-09
11324	500309.2	3734115	6.978E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
11325	500300.2	3734119	7.059E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.06E-09	2.27E-09	0.00E+00	0.00E+00	3.33E-09
11326	500291.2	3734123	7.138E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.07E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
11327	500282.3	3734126	7.215E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.09E-09	2.32E-09	0.00E+00	0.00E+00	3.40E-09
11328	500273.3	3734130	7.289E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.34E-08	0.00E+00	0.00E+00	2.07E-08	1.10E-09	2.34E-09	0.00E+00	0.00E+00	3.44E-09
11329	500264.4	3734134	7.361E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-09	1.36E-08	0.00E+00	0.00E+00	2.09E-08	1.11E-09	2.36E-09	0.00E+00	0.00E+00	3.47E-09
11330	500813.9	3733544	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
11331	500813.9	3733534	2.177E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	6.99E-10	0.00E+00	0.00E+00	1.03E-09
11332	500813.9	3733525	2.174E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.03E-09
11333	500814	3733515	2.172E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11334	500814	3733505	2.171E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11335	500814	3733495	2.171E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11336	500814	3733486	2.171E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11337	500814	3733476	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11338	500814	3733466	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11339	500814	3733457	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11340	500814	3733447	2.171E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11341	500814	3733437	2.172E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.02E-09
11342	500814	3733427	2.174E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.01E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.03E-09
11343	500814.1	3733418	2.176E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	6.99E-10	0.00E+00	0.00E+00	1.03E-09
11344	500814.1	3733408	2.179E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
11345	500814.1	3733398	2.182E-09	4.02E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.21E-09	3.29E-10	7.01E-10	0.00E+00	0.00E+00	1.03E-09
11346	500814.1	3733388	2.186E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
11347	500814.1	3733340	2.215E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	3.33E-10	7.11E-10	0.00E+00	0.00E+00	1.04E-09
11348	500814.1	3733330	2.223E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
11349	500814.2	3733320	2.233E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	3.36E-10	7.17E-10	0.00E+00	0.00E+00	1.05E-09
11350	500814.2	3733311	2.244E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.14E-09	0.00E+00	0.00E+00	6.38E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
11351	500814.2	3733301	2.305E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
11352	500814.2	3733291	2.316E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	3.49E-10	7.44E-10	0.00E+00	0.00E+00	1.09E-09
11353	500814.2	3733281	2.327E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.29E-09	0.00E+00	0.00E+00	6.62E-09	3.50E-10	7.47E-10	0.00E+00	0.00E+00	1.10E-09
11354	500814.2	3733272	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	3.52E-10	7.51E-10	0.00E+00	0.00E+00	1.10E-09
11355	500814.2	3733262	2.353E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	3.54E-10	7.56E-10	0.00E+00	0.00E+00	1.11E-09
11356	500814.2	3733252	2.367E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	3.56E-10	7.60E-10	0.00E+00	0.00E+00	1.12E-09
11357	500814.2	3733243	2.381E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.39E-09	0.00E+00	0.00E+00	6.77E-09	3.59E-10	7.65E-10	0.00E+00	0.00E+00	1.12E-09
11358	500814.2	3733233	2.396E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.70E-10	0.00E+00	0.00E+00	1.13E-09
11359	500814.3	3733223	2.412E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
11360	500814.3	3733213	2.429E-09	4.48E-09	0.00E+00	0.00E+00	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.90E-09	3.66E-10	7.80E-10	0.00E+00	0.00E+00	1.15E-09
11361	500814.3	3733204	2.446E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.95E-09	3.68E-10	7.85E-10	0.00E+00	0.00E+00	1.15E-09
11362	500850.2	3733553	2.009E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	3.03E-10	6.45E-10	0.00E+00	0.00E+00	9.48E-10
11363	500846.5	3733562	2.029E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.57E-10
11364	500842.7	3733571	2.049E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	3.09E-10	6.58E-10	0.00E+00	0.00E+00	9.67E-10
11365	500839	3733580	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.89E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.77E-10
11366	500835.3	3733589	2.092E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.86E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.87E-10
11367	500831.5	3733598	2.114E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.97E-10
11368	500827.8	3733607	2.136E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	3.22E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
11369	500824.1	3733616	2.159E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	3.25E-10	6.93E-10	0.00E+00	0.00E+00	1.02E-09
11370	500820.3	3733625	2.182E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.20E-09	3.29E-10	7.01E-10	0.00E+00	0.00E+00	1.03E-09
11371	500816.6	3733634	2.206E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.08E-10	0.00E+00	0.00E+00	1.04E-09
11372	500812.9	3733643	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
11373	500809.2	3733652	2.255E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.40E-10	7.24E-10	0.00E+00	0.00E+00	1.06E-09
11374	500805.4	3733661	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.32E-10	0.00E+00	0.00E+00	1.08E-09
11375	500801.7	3733670	2.306E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
11376	500798	3733679	2.332E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
11377	500794.2	3733688	2.359E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.57E-10	0.00E+00	0.00E+00	1.11E-09
11378	500790.5	3733697	2.386E-09	4.40E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.40E-09	0.00E+00	0.00E+00	6.78E-09	3.59E-10	7.66E-10	0.00E+00	0.00E+00	1.13E-09
11379	500786.8	3733706	2.413E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.45E-09	0.00E+00	0.00E+00	6.86E-09	3.63E-10	7.75E-10	0.00E+00	0.00E+00	1.14E-09
11380	500760.7	3733768	2.611E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
11381	500756.9	3733777	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.97E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
11382	500753.2	3733786	2.669E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
11383	500749.5	3733795	2.699E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.97E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
11384	500745.7	3733804	2.728E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.76E-10	0.00E+00	0.00E+00	1.29E-09
11385	500742	3733813	2.758E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.86E-10	0.00E+00	0.00E+00	1.30E-09
11386	500738.3	3733822	2.788E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.93E-09	4.20E-10	8.95E-10	0.00E+00	0.00E+00	1.32E-09
11387	500734.5	3733831	2.819E-09	5.20E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
11388	500730.8	3733840	2.849E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
11389	500727.1	3733849	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	4.34E-10	9.25E-10	0.00E+00	0.00E+00	1.36E-09
11390	500723.3	3733858	2.909E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
11391	500719.6	3733867	2.937E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	4.42E-10	9.43E-10	0.00E+00	0.00E+00	1.39E-09
11392	500715.9	3733876	2.965E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.47E-09	0.00E+00	0.00E+00	8.43E-09	4.46E-10	9.52E-10	0.00E+00	0.00E+00	1.40E-09
11393	500712.1	3733885	2.994E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
11394	500708.4	3733894	3.024E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	5.57E-09	0.00E+00	0.00E+00	8.60E-09	4.55E-10	9.71E-10	0.00E+00	0.00E+00	1.43E-09
11395	500704.7	3733903	3.054E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.68E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
11396	500701	3733912	3.084E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.68E-09	0.00E+00	0.00E+00	8.77E-09	4.64E-10	9.90E-10	0.00E+00	0.00E+00	1.45E-09
11397	500697.2	3733921	3.113E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.74E-09	0.00E+00	0.00E+00	8.85E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
11398	500693.5	3733930	3.142E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
11399	500689.8	3733939	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.84E-09	0.00E+00	0.00E+00	9.01E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
11400	500686	3733948	3.197E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.89E-09	0.00E+00	0.00E+00	9.09E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
11401	500615	3734029	3.782E-09	6.97E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	6.97E-09	0.00E+00	0.00E+00	1.08E-08	5.69E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
11402	500588	3734040	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	7.41E-09	0.00E+00	0.00E+00	1.14E-08	6.05E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
11403	500579	3734044	4.101E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.56E-09	0.00E+00	0.00E+00	1.17E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
11404	500570	3734048	4.183E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
11405	500561.1	3734052	4.266E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
11406	500552.1	3734055	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	8.02E-09	0.00E+00	0.00E+00	1.24E-08	6.55E-10	1.40E-09	0.00E+00	0.00E+00	2.05E-09
11407	500543.1	3734059	4.434E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
11408	500534.1	3734063	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
11409	500525.1	3734066	4.605E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	6.93E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
11410	500516.1	3734070	4.691E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	8.65E-09	0.00E+00	0.00E+00	1.33E-08	7.06E-10	1.51E-09	0.00E+00	0.00E+00	2.21E-09
11411	500507.1	3734074	4.778E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	8.81E-09	0.00E+00	0.00E+00	1.36E-08	7.19E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
11412	500498.2	3734077	4.865E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.97E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
11413	500489.2	3734081	4.952E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.13E-09	0.00E+00	0.00E+00	1.41E-08	7.46E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
11414	500480.2	3734085	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	7.59E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
11415	500471.2	3734089	5.127E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
11416	500462.2	3734092	5.214E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	9.61E-09	0.00E+00	0.00E+00	1.48E-08	7.85E-10	1.67E-09	0.00E+00	0.00E+00	2.46E-09
11417	500453.2	3734096	5.301E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.77E-09	0.00E+00	0.00E+00	1.51E-08	7.98E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
11418	500444.2	3734100	5.387E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
11419	500435.3	3734103	5.473E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.24E-10	1.76E-09	0.00E+00	0.00E+00	2.58E-09
11420	500426.3	3734107	5.559E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
11421	500417.3	3734111	5.644E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.50E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
11422	500408.3	3734115	5.728E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.62E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
11423	500399.3	3734118	5.811E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.75E-10	1.87E-09	0.00E+00	0.00E+00	2.74E-09
11424	500390.3	3734122	5.894E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.87E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
11425	500381.3	3734126	5.976E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.00E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
11426	500372.3	3734129	6.056E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.12E-10	1.94E-09	0.00E+00	0.00E+00	2.86E-09
11427	500363.4	3734133	6.136E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.24E-10	1.97E-09	0.00E+00	0.00E+00	2.89E-09
11428	500282.5	3734166	6.788E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.25E-08	0.00E+00	0.00E+00	1.93E-08	1.02E-09	2.18E-09	0.00E+00	0.00E+00	3.20E-09
11429	500273.5	3734170	6.852E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.23E-09
11430	500264.5	3734174	6.915E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08	1.04E-09	2.22E-09	0.00E+00	0.00E+00	3.26E-09
11431	500255.5	3734177	6.975E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-09	1.29E-08	0.00E+00	0.00E+00	1.98E-08	1.05E-09	2.24E-09	0.00E+00	0.00E+00	3.29E-09
11432	500246.5	3734181	7.034E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
11433	500237.6	3734185	7.09E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-09	1.31E-08	0.00E+00	0.00E+00	2.02E-08	1.07E-09	2.28E-09	0.00E+00	0.00E+00	3.34E-09
11434	500228.6	3734189	7.143E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.32E-08	0.00E+00	0.00E+00	2.03E-08	1.08E-09	2.29E-09	0.00E+00	0.00E+00	3.37E-09
11435	500219.6	3734192	7.195E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.33E-08	0.00E+00	0.00E+00	2.05E-08	1.08E-09	2.31E-09	0.00E+00	0.00E+00	3.39E-09
11436	500853.9	3733544	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.39E-10	0.00E+00	0.00E+00	9.39E-10

11437	500853.9	3733534	1.988E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.38E-10
11438	500853.9	3733525	1.985E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.36E-10
11439	500854	3733515	1.983E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
11440	500854	3733505	1.982E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.35E-10
11441	500854	3733495	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
11442	500854	3733486	1.979E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
11443	500854	3733476	1.979E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
11444	500854	3733466	1.979E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
11445	500854	3733457	1.979E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
11446	500854	3733447	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
11447	500854	3733437	1.981E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
11448	500854	3733427	1.982E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.64E-09	2.98E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
11449	500854.1	3733418	1.984E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.36E-10
11450	500854.1	3733408	1.987E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.37E-10
11451	500854.1	3733359	2.006E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.46E-10
11452	500854.1	3733350	2.012E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.49E-10
11453	500854.1	3733340	2.018E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.48E-10	0.00E+00	0.00E+00	9.52E-10
11454	500854.1	3733330	2.025E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.76E-09	3.05E-10	6.50E-10	0.00E+00	0.00E+00	9.55E-10
11455	500854.2	3733320	2.033E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	3.06E-10	6.53E-10	0.00E+00	0.00E+00	9.59E-10
11456	500854.2	3733311	2.041E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.63E-10
11457	500854.2	3733301	2.049E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	3.09E-10	6.58E-10	0.00E+00	0.00E+00	9.67E-10
11458	500854.2	3733291	2.058E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
11459	500854.2	3733282	2.068E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.75E-10
11460	500854.2	3733272	2.078E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
11461	500854.2	3733262	2.088E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.14E-10	6.71E-10	0.00E+00	0.00E+00	9.85E-10
11462	500854.2	3733252	2.099E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.74E-10	0.00E+00	0.00E+00	9.90E-10
11463	500854.2	3733243	2.112E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.96E-10
11464	500854.2	3733233	2.126E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	3.20E-10	6.83E-10	0.00E+00	0.00E+00	1.00E-09
11465	500854.3	3733223	2.142E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	3.22E-10	6.88E-10	0.00E+00	0.00E+00	1.01E-09
11466	500854.3	3733213	2.207E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
11467	500854.3	3733204	2.222E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.32E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
11468	500890.3	3733553	1.842E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.77E-10	5.92E-10	0.00E+00	0.00E+00	8.69E-10
11469	500886.6	3733562	1.859E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.77E-10
11470	500882.9	3733571	1.877E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.03E-10	0.00E+00	0.00E+00	8.85E-10
11471	500879.2	3733579	1.894E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.94E-10
11472	500875.6	3733588	1.913E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
11473	500871.9	3733597	1.931E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.11E-10
11474	500868.2	3733606	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.26E-10	0.00E+00	0.00E+00	9.20E-10
11475	500864.5	3733615	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.60E-09	2.97E-10	6.33E-10	0.00E+00	0.00E+00	9.29E-10
11476	500860.9	3733624	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.66E-09	3.00E-10	6.39E-10	0.00E+00	0.00E+00	9.39E-10
11477	500857.2	3733633	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.48E-10
11478	500853.5	3733641	2.031E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.58E-10
11479	500849.8	3733650	2.052E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.83E-09	3.09E-10	6.59E-10	0.00E+00	0.00E+00	9.68E-10
11480	500846.2	3733659	2.074E-09	3.82E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.90E-09	3.12E-10	6.66E-10	0.00E+00	0.00E+00	9.78E-10
11481	500842.5	3733668	2.096E-09	3.86E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.86E-09	0.00E+00	0.00E+00	5.96E-09	3.16E-10	6.73E-10	0.00E+00	0.00E+00	9.88E-10
11482	500838.8	3733677	2.118E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.99E-10
11483	500835.1	3733686	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.09E-09	3.22E-10	6.87E-10	0.00E+00	0.00E+00	1.01E-09
11484	500831.5	3733694	2.163E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.99E-09	0.00E+00	0.00E+00	6.15E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
11485	500827.8	3733703	2.187E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
11486	500824.1	3733712	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.33E-10	7.10E-10	0.00E+00	0.00E+00	1.04E-09
11487	500820.4	3733721	2.234E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	3.36E-10	7.17E-10	0.00E+00	0.00E+00	1.05E-09
11488	500816.8	3733730	2.258E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.07E-09
11489	500794.7	3733783	2.407E-09	4.44E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	4.44E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.73E-10	0.00E+00	0.00E+00	1.14E-09
11490	500791	3733792	2.433E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
11491	500787.4	3733800	2.458E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.99E-09	3.70E-10	7.89E-10	0.00E+00	0.00E+00	1.16E-09
11492	500783.7	3733809	2.484E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.58E-09	0.00E+00	0.00E+00	7.06E-09	3.74E-10	7.98E-10	0.00E+00	0.00E+00	1.17E-09
11493	500780	3733818	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
11494	500776.3	3733827	2.536E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	3.82E-10	8.14E-10	0.00E+00	0.00E+00	1.20E-09
11495	500772.7	3733836	2.562E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	3.86E-10	8.23E-10	0.00E+00	0.00E+00	1.21E-09
11496	500769	3733845	2.588E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	3.90E-10	8.31E-10	0.00E+00	0.00E+00	1.22E-09
11497	500765.3	3733853	2.614E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.82E-09	0.00E+00	0.00E+00	7.43E-09	3.94E-10	8.39E-10	0.00E+00	0.00E+00	1.23E-09
11498	500761.6	3733862	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.97E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
11499	500758	3733871	2.666E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	4.01E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
11500	500754.3	3733880	2.692E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	4.05E-10	8.65E-10	0.00E+00	0.00E+00	1.27E-09
11501	500750.6	3733889	2.718E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.01E-09	0.00E+00	0.00E+00	7.73E-09	4.09E-10	8.73E-10	0.00E+00	0.00E+00	1.28E-09
11502	500746.9	3733898	2.744E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
11503	500743.3	3733907	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09
11504	500739.6	3733915	2.796E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.15E-09	0.00E+00	0.00E+00	7.95E-09	4.21E-10	8.98E-10	0.00E+00	0.00E+00	1.32E-09
11505	500735.9	3733924	2.821E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.02E-09	4.25E-10	9.06E-10	0.00E+00	0.00E+00	1.33E-09
11506	500732.2	3733933	2.847E-09	5.25E-09	0.00E+00	0.00E+00	8.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.09E-09	4.29E-10	9.14E-10	0.00E+00	0.00E+00	1.34E-09
11507	500728.6	3733942	2.872E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.29E-09	0.00E+00	0.00E+00	8.17E-09	4.32E-10	9.22E-10	0.00E+00	0.00E+00	1.35E-09
11508	500724.9	3733951	2.897E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
11509	500679.3	3734043	3.194E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.89E-09	0.00E+00	0.00E+00	9.08E-09	4.81E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
11510	500670.5	3734046	3.259E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
11511	500661.6	3734050	3.325E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.45E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
11512	500652.8	3734054	3.393E-09	6.25E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.65E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
11513	500643.9	3734057	3.462E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	6.38E-09	0.00E+00	0.00E+00	9.84E-09	5.21E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
11514	500635.1	3734061	3.533E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
11515	500626.2	3734065	3.604E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
11516	500617.4	3734068	3.675E-09	6.77E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.77E-09	0.00E+00	0.00E+00	1.05E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
11517	500590.8	3734079	3.896E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
11518	500582	3734083	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.13E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
11519	500573.1	3734087	4.065E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.49E-09	0.00E+00	0.00E+00	1.16E-08	6.12E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
11520	500564.3	3734090	4.139E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
11521	500555.4	3734094	4.215E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	6.35E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
11522	500546.6	3734097	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	7.91E-09	0.00E+00	0.00E+00	1.22E-08	6.46E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
11523	500537.7	3734101	4.366E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	8.05E-09	0.00E+00	0.00E+00	1.24E-08	6.57E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
11524	500528.9	3734105	4.443E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.19E-09	0.00E+00	0.00E+00	1.26E-08	6.69E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
11525	500520	3734108	4.519E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	8.33E-09	0.00E+00	0.00E+00	1.28E-08	6.80E-10	1.45E-09	0.00E+00	0.00E+00	2.13E-09
11526	500511.2	3734112	4.596E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
11527	500502.3	3734116	4.673E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.04E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
11528	500493.5	3734119	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
11529	500484.6	3734123	4.827E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	8.90E-09	0.00E+00	0.00E+00	1.37E-08	7.27E-10	1.55E-09	0.00E+00	0.00E+00	2.28E-09
11530	500475.7	3734127	4.904E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.04E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
11531	500466.9	3734130	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
11532	500458	3734134	5.056E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.32E-09	0.00E+00	0.00E+00	1.44E-08	7.61E-10	1.62E-09	0.00E+00	0.00E+00	2.39E-09
11533	500378.4	3734167	5.717E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.05E-08	0.00E+00	0.00E+00	1.63E-08	8.61E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
11534	500369.5	3734170	5.786E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.71E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
11535	500360.7	3734174	5.854E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.81E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
11536	500351.8	3734178	5.921E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.92E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
11537	500343	3734181	5.987E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.01E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
11538	500334.1	3734185	6.051E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
11539	500325.3	3734189	6.114E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-09	1.13E-08	0.00E+00	0.00E+00	1.74E-08	9.21E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
11540	500316.4	3734192	6.176E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.30E-10	1.98E-09	0.00E+00	0.00E+00	2.91E-09
11541	500307.6	3734196	6.236E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.39E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
11542	500298.7	3734200	6.295E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-09	1.16E-08	0.00E+00	0.00E+00	1.79E-08	9.48E-10	2.02E-09	0.00E+00	0.00E+00	2.97E-09
11543	500289.9	3734203	6.353E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
11544	500281	3734207	6.409E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.18E-08	0.00E+00	0.00E+00	1.82E-08	9.65E-10	2.06E-09	0.00E+00	0.00E+00	3.02E-09
11545	500272.2	3734211	6.464E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.19E-08	0.00E+00	0.00E+00	1.84E-08	9.73E-10	2.08E-09	0.00E+00	0.00E+00	3.05E-09
11546	500263.3	3734214	6.517E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-09	1.20E-08	0.00E+00	0.00E+00	1.85E-08	9.81E-10	2.09E-09	0.00E+00	0.00E+00	3.07E-09
11547	500254.5	3734218	6.568E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.21E-08	0.00E+00	0.00E+00	1.87E-08	9.89E-10	2.11E-09	0.00E+00	0.00E+00	3.10E-09
11548	500245.6	3734222	6.617E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-09	1.22E-08	0.00E+00	0.00E+00	1.88E-08	9.96E-10	2.13E-09	0.00E+00	0.00E+00	3.12E-09
11549	500236.8	3734225	6.665E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.23E-08	0.00E+00	0.00E+00	1.89E-08	1.00E-09	2.14E-09	0.00E+00	0.00E+00	3.14E-09
11550	500227.9	3734229	6.711E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.24E-08	0.00E+00	0.00E+00	1.91E-08	1.01E-09	2.16E-09	0.00E+00	0.00E+00	3.17E-09
11551	500219.1	3734232	6.755E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.25E-08	0.00E+00	0.00E+00	1.92E-08	1.02E-09	2.17E-09	0.00E+00	0.00E+00	3.19E-09
11552	500893.9	3733544	1.825E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.61E-10
11553	500893.9	3733534	1.823E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.86E-10	0.00E+00	0.00E+00	8.60E-10
11554	500893.9	3733525	1.821E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.59E-10
11555	500894	3733515	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
11556	500894	3733505	1.819E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
11557	500894	3733496	1.817E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.57E-10
11558	500894	3733486	1.817E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
11559	500894	3733476	1.816E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
11560	500894	3733466	1.816E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
11561	500894	3733457	1.817E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
11562	500894	3733447	1.817E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.57E-10
11563	500894	3733437	1.818E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.57E-10
11564	500894	3733427	1.819E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
11565	500894.1	3733379	1.833E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
11566	500894.1	3733369	1.837E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.22E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10

11567	500894.1	3733359	1.842E-09	3.39E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.24E-09	2.77E-10	5.91E-10	0.00E+00	0.00E+00	8.69E-10
11568	500894.1	3733350	1.847E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.71E-10
11569	500894.1	3733340	1.852E-09	3.41E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.74E-10
11570	500894.1	3733330	1.858E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.76E-10
11571	500894.2	3733320	1.864E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	2.81E-10	5.99E-10	0.00E+00	0.00E+00	8.79E-10
11572	500894.2	3733311	1.871E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.82E-10
11573	500894.2	3733301	1.878E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.03E-10	0.00E+00	0.00E+00	8.86E-10
11574	500894.2	3733291	1.886E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.48E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.06E-10	0.00E+00	0.00E+00	8.89E-10
11575	500894.2	3733282	1.894E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.93E-10
11576	500894.2	3733272	1.902E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	2.86E-10	6.11E-10	0.00E+00	0.00E+00	8.97E-10
11577	500894.2	3733262	1.911E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
11578	500894.2	3733252	1.921E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.17E-10	0.00E+00	0.00E+00	9.06E-10
11579	500894.2	3733243	1.931E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.11E-10
11580	500894.2	3733233	1.942E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.24E-10	0.00E+00	0.00E+00	9.16E-10
11581	500894.3	3733223	1.953E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.55E-09	2.94E-10	6.27E-10	0.00E+00	0.00E+00	9.21E-10
11582	500894.3	3733213	1.964E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.26E-10
11583	500894.3	3733204	1.976E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	2.97E-10	6.35E-10	0.00E+00	0.00E+00	9.32E-10
11584	500930.2	3733553	1.689E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.97E-10
11585	500926.6	3733562	1.704E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	2.56E-10	5.47E-10	0.00E+00	0.00E+00	8.04E-10
11586	500922.9	3733571	1.719E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
11587	500919.2	3733580	1.735E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.57E-10	0.00E+00	0.00E+00	8.18E-10
11588	500915.5	3733589	1.752E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	2.64E-10	5.63E-10	0.00E+00	0.00E+00	8.26E-10
11589	500911.8	3733597	1.769E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.35E-10
11590	500908.1	3733606	1.787E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.43E-10
11591	500904.4	3733615	1.806E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.52E-10
11592	500900.7	3733624	1.824E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.61E-10
11593	500897.1	3733633	1.843E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.77E-10	5.92E-10	0.00E+00	0.00E+00	8.69E-10
11594	500893.4	3733642	1.861E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.78E-10
11595	500889.7	3733651	1.878E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.03E-10	0.00E+00	0.00E+00	8.86E-10
11596	500886	3733659	1.895E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.39E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.94E-10
11597	500882.3	3733668	1.913E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.03E-10
11598	500878.6	3733677	1.934E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.21E-10	0.00E+00	0.00E+00	9.12E-10
11599	500874.9	3733686	1.955E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	2.94E-10	6.28E-10	0.00E+00	0.00E+00	9.22E-10
11600	500871.2	3733695	1.977E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.32E-10
11601	500867.6	3733704	1.998E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.42E-10
11602	500863.9	3733713	2.019E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.48E-10	0.00E+00	0.00E+00	9.52E-10
11603	500860.2	3733722	2.041E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.63E-10
11604	500856.5	3733730	2.062E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.62E-10	0.00E+00	0.00E+00	9.73E-10
11605	500841.8	3733766	2.148E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.11E-09	3.23E-10	6.90E-10	0.00E+00	0.00E+00	1.01E-09
11606	500838.1	3733775	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11607	500834.4	3733784	2.193E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.04E-10	0.00E+00	0.00E+00	1.03E-09
11608	500830.7	3733793	2.216E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	3.34E-10	7.12E-10	0.00E+00	0.00E+00	1.05E-09
11609	500827	3733801	2.239E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
11610	500823.3	3733810	2.262E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.26E-10	0.00E+00	0.00E+00	1.07E-09
11611	500819.6	3733819	2.285E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	3.44E-10	7.34E-10	0.00E+00	0.00E+00	1.08E-09
11612	500815.9	3733828	2.308E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.41E-10	0.00E+00	0.00E+00	1.09E-09
11613	500812.3	3733837	2.331E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
11614	500793.8	3733881	2.448E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	3.69E-10	7.86E-10	0.00E+00	0.00E+00	1.15E-09
11615	500790.1	3733890	2.471E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.56E-09	0.00E+00	0.00E+00	7.03E-09	3.72E-10	7.94E-10	0.00E+00	0.00E+00	1.17E-09
11616	500786.4	3733899	2.495E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	3.76E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
11617	500782.8	3733908	2.518E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.09E-10	0.00E+00	0.00E+00	1.19E-09
11618	500779.1	3733917	2.542E-09	4.68E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.23E-09	3.83E-10	8.16E-10	0.00E+00	0.00E+00	1.20E-09
11619	500775.4	3733926	2.565E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.73E-09	0.00E+00	0.00E+00	7.29E-09	3.86E-10	8.24E-10	0.00E+00	0.00E+00	1.21E-09
11620	500771.7	3733934	2.588E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	3.90E-10	8.31E-10	0.00E+00	0.00E+00	1.22E-09
11621	500768	3733943	2.611E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.39E-10	0.00E+00	0.00E+00	1.23E-09
11622	500764.3	3733952	2.634E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	3.97E-10	8.46E-10	0.00E+00	0.00E+00	1.24E-09
11623	500727.5	3734041	2.854E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.12E-09	4.30E-10	9.17E-10	0.00E+00	0.00E+00	1.35E-09
11624	500723.8	3734050	2.875E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.30E-09	0.00E+00	0.00E+00	8.17E-09	4.33E-10	9.23E-10	0.00E+00	0.00E+00	1.36E-09
11625	500720.1	3734059	2.895E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.34E-09	0.00E+00	0.00E+00	8.23E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
11626	500707.5	3734071	2.972E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	5.48E-09	0.00E+00	0.00E+00	8.45E-09	4.48E-10	9.55E-10	0.00E+00	0.00E+00	1.40E-09
11627	500698.6	3734075	3.031E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.62E-09	4.56E-10	9.73E-10	0.00E+00	0.00E+00	1.43E-09
11628	500689.8	3734078	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
11629	500680.9	3734082	3.151E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	4.74E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
11630	500672	3734086	3.212E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.84E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
11631	500663.1	3734089	3.275E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
11632	500654.2	3734093	3.338E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
11633	500645.4	3734097	3.402E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
11634	500636.5	3734100	3.467E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.39E-09	0.00E+00	0.00E+00	9.86E-09	5.22E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
11635	500627.6	3734104	3.532E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
11636	500618.7	3734108	3.599E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
11637	500592.1	3734119	3.806E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
11638	500583.2	3734122	3.875E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.14E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
11639	500574.3	3734126	3.944E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.27E-09	0.00E+00	0.00E+00	1.12E-08	5.94E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
11640	500565.4	3734130	4.013E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.40E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
11641	500556.6	3734133	4.098E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.17E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
11642	500476.6	3734166	4.722E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	8.70E-09	0.00E+00	0.00E+00	1.34E-08	7.11E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
11643	500467.8	3734170	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
11644	500458.9	3734174	4.859E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	8.96E-09	0.00E+00	0.00E+00	1.38E-08	7.32E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
11645	500450	3734177	4.926E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.08E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.32E-09
11646	500441.1	3734181	4.993E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	9.20E-09	0.00E+00	0.00E+00	1.42E-08	7.52E-10	1.60E-09	0.00E+00	0.00E+00	2.36E-09
11647	500432.2	3734185	5.06E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	9.33E-09	0.00E+00	0.00E+00	1.44E-08	7.62E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
11648	500423.3	3734188	5.126E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	9.45E-09	0.00E+00	0.00E+00	1.46E-08	7.72E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
11649	500414.5	3734192	5.192E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	7.82E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
11650	500405.6	3734196	5.256E-09	9.69E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	9.69E-09	0.00E+00	0.00E+00	1.49E-08	7.91E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
11651	500396.7	3734199	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	9.81E-09	0.00E+00	0.00E+00	1.51E-08	8.01E-10	1.71E-09	0.00E+00	0.00E+00	2.51E-09
11652	500387.8	3734203	5.383E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	9.92E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
11653	500378.9	3734207	5.445E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.20E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
11654	500370.1	3734210	5.506E-09	1.01E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.01E-08	0.00E+00	0.00E+00	1.57E-08	8.29E-10	1.77E-09	0.00E+00	0.00E+00	2.60E-09
11655	500361.2	3734214	5.566E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.38E-10	1.79E-09	0.00E+00	0.00E+00	2.63E-09
11656	500352.3	3734218	5.625E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
11657	500343.4	3734221	5.682E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.56E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
11658	500334.5	3734225	5.739E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.64E-10	1.84E-09	0.00E+00	0.00E+00	2.71E-09
11659	500325.7	3734228	5.794E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.72E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
11660	500316.8	3734232	5.848E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.81E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
11661	500307.9	3734236	5.901E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.88E-10	1.89E-09	0.00E+00	0.00E+00	2.78E-09
11662	500299	3734239	5.952E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
11663	500290.1	3734243	6.002E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-09	1.11E-08	0.00E+00	0.00E+00	1.71E-08	9.04E-10	1.93E-09	0.00E+00	0.00E+00	2.83E-09
11664	500281.3	3734247	6.051E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.12E-08	0.00E+00	0.00E+00	1.72E-08	9.11E-10	1.94E-09	0.00E+00	0.00E+00	2.85E-09
11665	500272.4	3734250	6.098E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.18E-10	1.96E-09	0.00E+00	0.00E+00	2.88E-09
11666	500263.5	3734254	6.144E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-09	1.13E-08	0.00E+00	0.00E+00	1.75E-08	9.25E-10	1.97E-09	0.00E+00	0.00E+00	2.90E-09
11667	500254.6	3734258	6.189E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-09	1.14E-08	0.00E+00	0.00E+00	1.76E-08	9.32E-10	1.99E-09	0.00E+00	0.00E+00	2.92E-09
11668	500245.7	3734261	6.233E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.15E-08	0.00E+00	0.00E+00	1.77E-08	9.38E-10	2.00E-09	0.00E+00	0.00E+00	2.94E-09
11669	500236.9	3734265	6.275E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.16E-08	0.00E+00	0.00E+00	1.78E-08	9.45E-10	2.02E-09	0.00E+00	0.00E+00	2.96E-09
11670	500228	3734269	6.315E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08	9.51E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
11671	500219.1	3734272	6.353E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-09	1.17E-08	0.00E+00	0.00E+00	1.81E-08	9.56E-10	2.04E-09	0.00E+00	0.00E+00	3.00E-09
11672	500933.9	3733544	1.675E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.90E-10
11673	500933.9	3733534	1.674E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.90E-10
11674	500933.9	3733525	1.674E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.90E-10
11675	500934	3733515	1.674E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.90E-10
11676	500934	3733505	1.673E-09	3.08E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.89E-10
11677	500934	3733496	1.672E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.89E-10
11678	500934	3733486	1.672E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.89E-10
11679	500934	3733476	1.672E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
11680	500934	3733466	1.672E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
11681	500934	3733457	1.672E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.89E-10
11682	500934	3733447	1.671E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
11683	500934.1	3733398	1.684E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	2.53E-10	5.41E-10	0.00E+00	0.00E+00	7.94E-10
11684	500934.1	3733389	1.687E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.80E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.96E-10
11685	500934.1	3733379	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.54E-10	5.43E-10	0.00E+00	0.00E+00	7.97E-10
11686	500934.1	3733369	1.694E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	7.99E-10
11687	500934.1	3733359	1.698E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.83E-09	2.56E-10	5.45E-10	0.00E+00	0.00E+00	8.01E-10
11688	500934.1	3733350	1.702E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	2.56E-10	5.47E-10	0.00E+00	0.00E+00	8.03E-10
11689	500934.1	3733340	1.707E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.05E-10
11690	500934.1	3733330	1.712E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.08E-10
11691	500934.2	3733321	1.718E-09	3.17E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.88E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.10E-10
11692	500934.2	3733311	1.724E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.54E-10	0.00E+00	0.00E+00	8.13E-10
11693	500934.2	3733301	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.60E-10	5.56E-10	0.00E+00	0.00E+00	8.16E-10
11694	500934.2	3733291	1.737E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	2.61E-10	5.58E-10	0.00E+00	0.00E+00	8.19E-10
11695	500934.2	3733282	1.744E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.23E-10
11696	500934.2	3733272	1.751E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.23E-09	0.00E+00	0.00E+00	4.98E-09	2.64E-10	5.62E-10	0.00E+00	0.00E+00	8.26E-10

11697	500934.2	3733262	1.759E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.30E-10
11698	500934.2	3733252	1.768E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.66E-10	5.68E-10	0.00E+00	0.00E+00	8.34E-10
11699	500934.2	3733243	1.777E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.71E-10	0.00E+00	0.00E+00	8.38E-10
11700	500934.2	3733233	1.786E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.29E-09	0.00E+00	0.00E+00	5.08E-09	2.69E-10	5.73E-10	0.00E+00	0.00E+00	8.42E-10
11701	500934.3	3733223	1.795E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.77E-10	0.00E+00	0.00E+00	8.47E-10
11702	500934.3	3733214	1.805E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.52E-10
11703	500934.3	3733204	1.816E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.56E-10
11704	500970.2	3733553	1.562E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.37E-10
11705	500966.5	3733562	1.575E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.48E-09	2.37E-10	5.06E-10	0.00E+00	0.00E+00	7.43E-10
11706	500962.8	3733571	1.588E-09	2.93E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.49E-10
11707	500959.1	3733580	1.602E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.56E-10
11708	500955.4	3733589	1.616E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.59E-09	2.43E-10	5.19E-10	0.00E+00	0.00E+00	7.62E-10
11709	500951.7	3733598	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.64E-09	2.45E-10	5.24E-10	0.00E+00	0.00E+00	7.69E-10
11710	500948	3733606	1.645E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	2.48E-10	5.28E-10	0.00E+00	0.00E+00	7.76E-10
11711	500944.3	3733615	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
11712	500940.6	3733624	1.676E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.90E-10
11713	500936.9	3733633	1.691E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.43E-10	0.00E+00	0.00E+00	7.98E-10
11714	500933.2	3733642	1.707E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.05E-10
11715	500929.5	3733651	1.724E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.60E-10	5.54E-10	0.00E+00	0.00E+00	8.13E-10
11716	500925.8	3733660	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.21E-10
11717	500922.2	3733669	1.757E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.64E-10	0.00E+00	0.00E+00	8.29E-10
11718	500918.5	3733678	1.774E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.70E-10	0.00E+00	0.00E+00	8.37E-10
11719	500914.8	3733687	1.792E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.70E-10	5.75E-10	0.00E+00	0.00E+00	8.45E-10
11720	500911.1	3733695	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.34E-09	0.00E+00	0.00E+00	5.15E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.54E-10
11721	500907.4	3733704	1.828E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.75E-10	5.87E-10	0.00E+00	0.00E+00	8.62E-10
11722	500903.7	3733713	1.846E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.71E-10
11723	500900	3733722	1.864E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.44E-09	0.00E+00	0.00E+00	5.30E-09	2.81E-10	5.99E-10	0.00E+00	0.00E+00	8.79E-10
11724	500896.3	3733731	1.883E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.88E-10
11725	500881.5	3733767	1.962E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.25E-10
11726	500877.8	3733776	1.981E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
11727	500874.1	3733784	2E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.42E-10	0.00E+00	0.00E+00	9.43E-10
11728	500870.4	3733793	2.019E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.48E-10	0.00E+00	0.00E+00	9.52E-10
11729	500866.7	3733802	2.039E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
11730	500863	3733811	2.059E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.86E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
11731	500859.3	3733820	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.81E-10
11732	500855.6	3733829	2.102E-09	3.87E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.98E-09	3.17E-10	6.75E-10	0.00E+00	0.00E+00	9.92E-10
11733	500851.9	3733838	2.124E-09	3.92E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.92E-09	0.00E+00	0.00E+00	6.04E-09	3.20E-10	6.82E-10	0.00E+00	0.00E+00	1.00E-09
11734	500848.2	3733847	2.146E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.96E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
11735	500844.5	3733856	2.167E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	3.26E-10	6.96E-10	0.00E+00	0.00E+00	1.02E-09
11736	500840.8	3733864	2.186E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
11737	500837.1	3733873	2.205E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.08E-10	0.00E+00	0.00E+00	1.04E-09
11738	500833.4	3733882	2.225E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.14E-10	0.00E+00	0.00E+00	1.05E-09
11739	500829.7	3733891	2.246E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.21E-10	0.00E+00	0.00E+00	1.06E-09
11740	500826	3733900	2.269E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
11741	500822.3	3733909	2.291E-09	4.22E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.52E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
11742	500818.6	3733918	2.314E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	3.48E-10	7.43E-10	0.00E+00	0.00E+00	1.09E-09
11743	500814.9	3733927	2.337E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.51E-10	0.00E+00	0.00E+00	1.10E-09
11744	500766.8	3734042	2.605E-09	4.80E-09	0.00E+00	0.00E+00	7.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.80E-09	0.00E+00	0.00E+00	7.41E-09	3.92E-10	8.37E-10	0.00E+00	0.00E+00	1.23E-09
11745	500763.1	3734051	2.623E-09	4.83E-09	0.00E+00	0.00E+00	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.46E-09	3.95E-10	8.42E-10	0.00E+00	0.00E+00	1.24E-09
11746	500759.4	3734060	2.642E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
11747	500755.7	3734069	2.663E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.91E-09	0.00E+00	0.00E+00	7.57E-09	4.01E-10	8.55E-10	0.00E+00	0.00E+00	1.26E-09
11748	500752	3734078	2.683E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
11749	500748.3	3734087	2.702E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.27E-09
11750	500735.7	3734099	2.772E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.88E-09	4.17E-10	8.90E-10	0.00E+00	0.00E+00	1.31E-09
11751	500726.8	3734103	2.825E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	5.21E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
11752	500717.9	3734107	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	4.34E-10	9.25E-10	0.00E+00	0.00E+00	1.36E-09
11753	500709	3734110	2.935E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.41E-09	0.00E+00	0.00E+00	8.35E-09	4.42E-10	9.43E-10	0.00E+00	0.00E+00	1.38E-09
11754	500700.1	3734114	2.991E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.50E-09	4.50E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
11755	500691.2	3734118	3.047E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.62E-09	0.00E+00	0.00E+00	8.66E-09	4.59E-10	9.79E-10	0.00E+00	0.00E+00	1.44E-09
11756	500682.3	3734121	3.104E-09	5.72E-09	0.00E+00	0.00E+00	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	5.72E-09	0.00E+00	0.00E+00	8.83E-09	4.67E-10	9.97E-10	0.00E+00	0.00E+00	1.46E-09
11757	500673.4	3734125	3.162E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
11758	500664.5	3734129	3.221E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	4.85E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
11759	500655.6	3734132	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.33E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
11760	500646.7	3734136	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
11761	500566.5	3734169	3.905E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
11762	500557.6	3734173	3.981E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.34E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
11763	500548.7	3734177	4.033E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.43E-09	0.00E+00	0.00E+00	1.15E-08	6.07E-10	1.30E-09	0.00E+00	0.00E+00	1.90E-09
11764	500539.8	3734180	4.097E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
11765	500530.9	3734184	4.171E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
11766	500522	3734188	4.234E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.80E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
11767	500513	3734191	4.297E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	7.92E-09	0.00E+00	0.00E+00	1.22E-08	6.47E-10	1.38E-09	0.00E+00	0.00E+00	2.03E-09
11768	500504.1	3734195	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
11769	500495.2	3734199	4.422E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	8.15E-09	0.00E+00	0.00E+00	1.26E-08	6.66E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
11770	500486.3	3734202	4.485E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.75E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
11771	500477.4	3734206	4.546E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	8.38E-09	0.00E+00	0.00E+00	1.29E-08	6.85E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
11772	500468.5	3734210	4.608E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	8.49E-09	0.00E+00	0.00E+00	1.31E-08	6.94E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
11773	500459.6	3734213	4.669E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	8.61E-09	0.00E+00	0.00E+00	1.33E-08	7.03E-10	1.50E-09	0.00E+00	0.00E+00	2.20E-09
11774	500450.7	3734217	4.729E-09	8.72E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.72E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
11775	500441.8	3734221	4.789E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	8.83E-09	0.00E+00	0.00E+00	1.36E-08	7.21E-10	1.54E-09	0.00E+00	0.00E+00	2.26E-09
11776	500432.9	3734224	4.849E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	7.30E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
11777	500424	3734228	4.907E-09	9.04E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	9.04E-09	0.00E+00	0.00E+00	1.40E-08	7.39E-10	1.58E-09	0.00E+00	0.00E+00	2.31E-09
11778	500415.1	3734232	4.965E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.15E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
11779	500406.2	3734235	5.023E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	9.26E-09	0.00E+00	0.00E+00	1.43E-08	7.56E-10	1.61E-09	0.00E+00	0.00E+00	2.37E-09
11780	500397.3	3734239	5.079E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.65E-10	1.63E-09	0.00E+00	0.00E+00	2.40E-09
11781	500388.3	3734243	5.135E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
11782	500379.4	3734246	5.19E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	9.57E-09	0.00E+00	0.00E+00	1.48E-08	7.81E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
11783	500370.5	3734250	5.244E-09	9.67E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	9.67E-09	0.00E+00	0.00E+00	1.49E-08	7.90E-10	1.68E-09	0.00E+00	0.00E+00	2.47E-09
11784	500361.6	3734254	5.297E-09	9.76E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	9.76E-09	0.00E+00	0.00E+00	1.51E-08	7.97E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
11785	500352.7	3734257	5.349E-09	9.86E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.86E-09	0.00E+00	0.00E+00	1.52E-08	8.05E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
11786	500343.8	3734261	5.4E-09	9.95E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-09	9.95E-09	0.00E+00	0.00E+00	1.54E-08	8.13E-10	1.73E-09	0.00E+00	0.00E+00	2.55E-09
11787	500334.9	3734265	5.449E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.00E-08	0.00E+00	0.00E+00	1.55E-08	8.20E-10	1.75E-09	0.00E+00	0.00E+00	2.57E-09
11788	500326	3734268	5.498E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.28E-10	1.77E-09	0.00E+00	0.00E+00	2.59E-09
11789	500317.1	3734272	5.545E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.02E-08	0.00E+00	0.00E+00	1.58E-08	8.35E-10	1.78E-09	0.00E+00	0.00E+00	2.62E-09
11790	500308.2	3734276	5.592E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
11791	500299.3	3734279	5.637E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.49E-10	1.81E-09	0.00E+00	0.00E+00	2.66E-09
11792	500290.4	3734283	5.681E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.05E-08	0.00E+00	0.00E+00	1.62E-08	8.55E-10	1.82E-09	0.00E+00	0.00E+00	2.68E-09
11793	500281.5	3734287	5.724E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.06E-08	0.00E+00	0.00E+00	1.63E-08	8.62E-10	1.84E-09	0.00E+00	0.00E+00	2.70E-09
11794	500272.5	3734290	5.765E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.68E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
11795	500263.6	3734294	5.805E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.74E-10	1.86E-09	0.00E+00	0.00E+00	2.74E-09
11796	500254.7	3734298	5.844E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.08E-08	0.00E+00	0.00E+00	1.66E-08	8.80E-10	1.88E-09	0.00E+00	0.00E+00	2.76E-09
11797	500245.8	3734301	5.882E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.08E-08	0.00E+00	0.00E+00	1.67E-08	8.86E-10	1.89E-09	0.00E+00	0.00E+00	2.77E-09
11798	500236.9	3734305	5.918E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.91E-10	1.90E-09	0.00E+00	0.00E+00	2.79E-09
11799	500228	3734309	5.953E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.10E-08	0.00E+00	0.00E+00	1.69E-08	8.96E-10	1.91E-09	0.00E+00	0.00E+00	2.81E-09
11800	500219.1	3734312	5.986E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-09	1.10E-08	0.00E+00	0.00E+00	1.70E-08	9.01E-10	1.92E-09	0.00E+00	0.00E+00	2.82E-09
11801	500973.9	3733544	1.549E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.31E-10
11802	500973.9	3733534	1.547E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.97E-10	0.00E+00	0.00E+00	7.30E-10
11803	500973.9	3733525	1.546E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	2.33E-10	4.96E-10	0.00E+00	0.00E+00	7.29E-10
11804	500974	3733515	1.544E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	2.33E-10	4.96E-10	0.00E+00	0.00E+00	7.28E-10
11805	500974	3733505	1.543E-09	2.84E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.39E-09	2.32E-10	4.96E-10	0.00E+00	0.00E+00	7.28E-10
11806	500974	3733496	1.543E-09	2.84E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.39E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.28E-10
11807	500974	3733486	1.542E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
11808	500974	3733476	1.542E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
11809	500974	3733466	1.542E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
11810	500974	3733457	1.542E-09	2.84E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.39E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.28E-10
11811	500974.1	3733408	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.33E-10	4.98E-10	0.00E+00	0.00E+00	7.31E-10
11812	500974.1	3733398	1.553E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.32E-10
11813	500974.1	3733389	1.556E-09	2.87E-09	0.00E+00	0.00E+00	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.42E-09	2.34E-10	5.00E-10	0.00E+00	0.00E+00	7.34E-10
11814	500974.1	3733379	1.559E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.35E-10
11815	500974.1	3733369	1.562E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.44E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.37E-10
11816	500974.1	3733359	1.565E-09	2.89E-09	0.00E+00	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.45E-09	2.36E-10	5.03E-10	0.00E+00	0.00E+00	7.38E-10
11817	500974.1	3733350	1.569E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.04E-10	0.00E+00	0.00E+00	7.40E-10
11818	500974.1	3733340	1.573E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
11819	500974.1	3733330	1.579E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
11820	500974.2	3733321	1.587E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.92E-09	0.00E+00	0.00E+00	4.51E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.49E-10
11821	500974.2	3733311	1.594E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
11822	500974.2	3733301	1.6E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.95E-09	0.00E+00	0.00E+00	4.55E-09	2.41E-10	5.14E-10	0.00E+00	0.00E+00	7.55E-10
11823	500974.2	3733291	1.606E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
11824	500974.2	3733282	1.612E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.97E-09	0.00E+00	0.00E+00	4.58E-09	2.43E-10	5.18E-10	0.00E+00	0.00E+00	7.61E-10
11825	500974.2	3733272	1.619E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
11826	500974.2	3733262	1.626E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.62E-09	2.45E-10	5.22E-10	0.00E+00	0.00E+00	7.67E-10

11827	500974.2	3733252	1.634E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.25E-10	0.00E+00	0.00E+00	7.71E-10
11828	500974.2	3733243	1.641E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.74E-10
11829	500974.2	3733233	1.649E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	2.48E-10	5.30E-10	0.00E+00	0.00E+00	7.78E-10
11830	500974.3	3733223	1.658E-09	3.06E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.71E-09	2.50E-10	5.32E-10	0.00E+00	0.00E+00	7.82E-10
11831	500974.3	3733214	1.666E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.86E-10
11832	500974.3	3733204	1.676E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.38E-10	0.00E+00	0.00E+00	7.90E-10
11833	500999.1	3733580	1.485E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.00E-10
11834	500995.4	3733589	1.497E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.25E-10	4.81E-10	0.00E+00	0.00E+00	7.06E-10
11835	500991.7	3733598	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.85E-10	0.00E+00	0.00E+00	7.12E-10
11836	500988	3733607	1.523E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
11837	500984.3	3733616	1.537E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.25E-10
11838	500980.5	3733625	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.33E-10	4.98E-10	0.00E+00	0.00E+00	7.31E-10
11839	500976.8	3733633	1.564E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.88E-09	0.00E+00	0.00E+00	4.45E-09	2.35E-10	5.02E-10	0.00E+00	0.00E+00	7.38E-10
11840	500973.1	3733642	1.578E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.07E-10	0.00E+00	0.00E+00	7.45E-10
11841	500969.4	3733651	1.593E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.51E-10
11842	500965.7	3733660	1.608E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
11843	500962	3733669	1.623E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.65E-10
11844	500958.3	3733678	1.638E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.26E-10	0.00E+00	0.00E+00	7.73E-10
11845	500954.6	3733687	1.654E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.05E-09	0.00E+00	0.00E+00	4.70E-09	2.49E-10	5.31E-10	0.00E+00	0.00E+00	7.80E-10
11846	500950.9	3733696	1.669E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.51E-10	5.36E-10	0.00E+00	0.00E+00	7.87E-10
11847	500947.2	3733705	1.685E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
11848	500943.5	3733714	1.701E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.84E-09	2.56E-10	5.46E-10	0.00E+00	0.00E+00	8.03E-10
11849	500939.8	3733723	1.718E-09	3.17E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.88E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.10E-10
11850	500936	3733732	1.734E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.57E-10	0.00E+00	0.00E+00	8.18E-10
11851	500921.2	3733767	1.803E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.50E-10
11852	500917.5	3733776	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.59E-10
11853	500913.8	3733785	1.838E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.39E-09	0.00E+00	0.00E+00	5.23E-09	2.77E-10	5.90E-10	0.00E+00	0.00E+00	8.67E-10
11854	500910.1	3733794	1.856E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.79E-10	5.96E-10	0.00E+00	0.00E+00	8.75E-10
11855	500906.4	3733803	1.873E-09	3.45E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.33E-09	2.82E-10	6.02E-10	0.00E+00	0.00E+00	8.84E-10
11856	500902.7	3733812	1.891E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.07E-10	0.00E+00	0.00E+00	8.92E-10
11857	500899	3733821	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.13E-10	0.00E+00	0.00E+00	9.01E-10
11858	500895.3	3733830	1.928E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
11859	500891.5	3733839	1.946E-09	3.59E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.25E-10	0.00E+00	0.00E+00	9.18E-10
11860	500887.8	3733848	1.965E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.27E-10
11861	500884.1	3733856	1.983E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
11862	500880.4	3733865	2.002E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.43E-10	0.00E+00	0.00E+00	9.44E-10
11863	500876.7	3733874	2.021E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.72E-09	0.00E+00	0.00E+00	5.74E-09	3.04E-10	6.49E-10	0.00E+00	0.00E+00	9.53E-10
11864	500873	3733883	2.039E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
11865	500869.3	3733892	2.058E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.71E-10
11866	500865.6	3733901	2.077E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
11867	500861.9	3733910	2.096E-09	3.86E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.86E-09	0.00E+00	0.00E+00	5.96E-09	3.16E-10	6.73E-10	0.00E+00	0.00E+00	9.89E-10
11868	500858.2	3733919	2.115E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.98E-10
11869	500854.5	3733928	2.134E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	3.21E-10	6.85E-10	0.00E+00	0.00E+00	1.01E-09
11870	500850.8	3733937	2.153E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.02E-09
11871	500847	3733946	2.172E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.18E-09	3.27E-10	6.98E-10	0.00E+00	0.00E+00	1.02E-09
11872	500843.3	3733955	2.191E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.04E-10	0.00E+00	0.00E+00	1.03E-09
11873	500839.6	3733964	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.28E-09	3.33E-10	7.10E-10	0.00E+00	0.00E+00	1.04E-09
11874	500835.9	3733972	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.34E-09	3.36E-10	7.16E-10	0.00E+00	0.00E+00	1.05E-09
11875	500832.2	3733981	2.249E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.39E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
11876	500828.5	3733990	2.268E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.41E-10	7.28E-10	0.00E+00	0.00E+00	1.07E-09
11877	500824.8	3733999	2.287E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	3.44E-10	7.34E-10	0.00E+00	0.00E+00	1.08E-09
11878	500821.1	3734008	2.306E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.25E-09	0.00E+00	0.00E+00	6.56E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
11879	500817.4	3734017	2.324E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	3.50E-10	7.46E-10	0.00E+00	0.00E+00	1.10E-09
11880	500795.1	3734071	2.435E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
11881	500791.4	3734079	2.453E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.52E-09	0.00E+00	0.00E+00	6.97E-09	3.69E-10	7.88E-10	0.00E+00	0.00E+00	1.16E-09
11882	500787.7	3734088	2.471E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	3.72E-10	7.93E-10	0.00E+00	0.00E+00	1.17E-09
11883	500784	3734097	2.488E-09	4.59E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.07E-09	3.75E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
11884	500780.3	3734106	2.506E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.62E-09	0.00E+00	0.00E+00	7.12E-09	3.77E-10	8.05E-10	0.00E+00	0.00E+00	1.18E-09
11885	500776.6	3734115	2.523E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.10E-10	0.00E+00	0.00E+00	1.19E-09
11886	500763.9	3734128	2.587E-09	4.77E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.35E-09	3.89E-10	8.31E-10	0.00E+00	0.00E+00	1.22E-09
11887	500755	3734131	2.635E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.86E-09	0.00E+00	0.00E+00	7.49E-09	3.97E-10	8.46E-10	0.00E+00	0.00E+00	1.24E-09
11888	500746.1	3734135	2.684E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	4.95E-09	0.00E+00	0.00E+00	7.63E-09	4.04E-10	8.62E-10	0.00E+00	0.00E+00	1.27E-09
11889	500665.7	3734168	3.165E-09	5.83E-09	0.00E+00	0.00E+00	9.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	9.00E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.49E-09
11890	500656.8	3734172	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	5.94E-09	0.00E+00	0.00E+00	9.16E-09	4.85E-10	1.03E-09	0.00E+00	0.00E+00	1.52E-09
11891	500647.8	3734176	3.276E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.32E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
11892	500638.9	3734179	3.333E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.48E-09	5.02E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
11893	500630	3734183	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.25E-09	0.00E+00	0.00E+00	9.64E-09	5.10E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
11894	500621	3734187	3.447E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.35E-09	0.00E+00	0.00E+00	9.80E-09	5.19E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
11895	500612.1	3734190	3.504E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.46E-09	0.00E+00	0.00E+00	9.96E-09	5.28E-10	1.13E-09	0.00E+00	0.00E+00	1.65E-09
11896	500585.3	3734201	3.678E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
11897	500576.4	3734205	3.736E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
11898	500567.4	3734209	3.794E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
11899	500558.5	3734212	3.853E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
11900	500549.6	3734216	3.912E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
11901	500540.7	3734220	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
11902	500531.7	3734224	4.028E-09	7.42E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.42E-09	0.00E+00	0.00E+00	1.15E-08	6.06E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
11903	500522.8	3734227	4.086E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
11904	500513.9	3734231	4.143E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.64E-09	0.00E+00	0.00E+00	1.18E-08	6.24E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
11905	500504.9	3734235	4.201E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.74E-09	0.00E+00	0.00E+00	1.19E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
11906	500496	3734238	4.265E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
11907	500487.1	3734242	4.322E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.97E-09	0.00E+00	0.00E+00	1.23E-08	6.51E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
11908	500478.1	3734246	4.377E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	8.07E-09	0.00E+00	0.00E+00	1.24E-08	6.59E-10	1.41E-09	0.00E+00	0.00E+00	2.06E-09
11909	500469.2	3734249	4.432E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	8.17E-09	0.00E+00	0.00E+00	1.26E-08	6.67E-10	1.42E-09	0.00E+00	0.00E+00	2.09E-09
11910	500460.3	3734253	4.487E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	8.27E-09	0.00E+00	0.00E+00	1.28E-08	6.76E-10	1.44E-09	0.00E+00	0.00E+00	2.12E-09
11911	500451.3	3734257	4.541E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	8.37E-09	0.00E+00	0.00E+00	1.29E-08	6.84E-10	1.46E-09	0.00E+00	0.00E+00	2.14E-09
11912	500442.4	3734260	4.595E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
11913	500433.5	3734264	4.648E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	8.57E-09	0.00E+00	0.00E+00	1.32E-08	7.00E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
11914	500424.5	3734268	4.7E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	8.66E-09	0.00E+00	0.00E+00	1.34E-08	7.08E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
11915	500415.6	3734271	4.752E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	8.76E-09	0.00E+00	0.00E+00	1.35E-08	7.15E-10	1.53E-09	0.00E+00	0.00E+00	2.24E-09
11916	500406.7	3734275	4.802E-09	8.85E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	8.85E-09	0.00E+00	0.00E+00	1.37E-08	7.23E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
11917	500397.7	3734279	4.852E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	7.31E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
11918	500388.8	3734282	4.902E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	9.03E-09	0.00E+00	0.00E+00	1.39E-08	7.38E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
11919	500379.9	3734286	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	9.12E-09	0.00E+00	0.00E+00	1.41E-08	7.45E-10	1.59E-09	0.00E+00	0.00E+00	2.34E-09
11920	500370.9	3734290	4.998E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.21E-09	0.00E+00	0.00E+00	1.42E-08	7.53E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
11921	500362	3734293	5.045E-09	9.30E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	9.30E-09	0.00E+00	0.00E+00	1.43E-08	7.60E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
11922	500353.1	3734297	5.092E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	9.39E-09	0.00E+00	0.00E+00	1.45E-08	7.67E-10	1.64E-09	0.00E+00	0.00E+00	2.40E-09
11923	500344.1	3734301	5.137E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	9.47E-09	0.00E+00	0.00E+00	1.46E-08	7.73E-10	1.65E-09	0.00E+00	0.00E+00	2.42E-09
11924	500335.2	3734304	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	9.55E-09	0.00E+00	0.00E+00	1.47E-08	7.80E-10	1.66E-09	0.00E+00	0.00E+00	2.44E-09
11925	500326.3	3734308	5.223E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-09	9.63E-09	0.00E+00	0.00E+00	1.49E-08	7.86E-10	1.68E-09	0.00E+00	0.00E+00	2.46E-09
11926	500317.4	3734312	5.265E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	9.71E-09	0.00E+00	0.00E+00	1.50E-08	7.93E-10	1.69E-09	0.00E+00	0.00E+00	2.48E-09
11927	500308.4	3734316	5.306E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	9.78E-09	0.00E+00	0.00E+00	1.51E-08	7.99E-10	1.70E-09	0.00E+00	0.00E+00	2.50E-09
11928	500299.5	3734319	5.346E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	9.85E-09	0.00E+00	0.00E+00	1.52E-08	8.05E-10	1.72E-09	0.00E+00	0.00E+00	2.52E-09
11929	500290.6	3734323	5.385E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	9.93E-09	0.00E+00	0.00E+00	1.53E-08	8.11E-10	1.73E-09	0.00E+00	0.00E+00	2.54E-09
11930	500281.6	3734327	5.422E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	9.99E-09	0.00E+00	0.00E+00	1.54E-08	8.16E-10	1.74E-09	0.00E+00	0.00E+00	2.56E-09
11931	500272.7	3734330	5.459E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.01E-08	0.00E+00	0.00E+00	1.55E-08	8.22E-10	1.75E-09	0.00E+00	0.00E+00	2.58E-09
11932	500263.8	3734334	5.494E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.01E-08	0.00E+00	0.00E+00	1.56E-08	8.27E-10	1.76E-09	0.00E+00	0.00E+00	2.59E-09
11933	500254.8	3734338	5.529E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.02E-08	0.00E+00	0.00E+00	1.57E-08	8.32E-10	1.78E-09	0.00E+00	0.00E+00	2.61E-09
11934	500245.9	3734341	5.562E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.03E-08	0.00E+00	0.00E+00	1.58E-08	8.37E-10	1.79E-09	0.00E+00	0.00E+00	2.62E-09
11935	500237	3734345	5.594E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.80E-09	0.00E+00	0.00E+00	2.64E-09
11936	500228	3734349	5.624E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.04E-08	0.00E+00	0.00E+00	1.60E-08	8.47E-10	1.81E-09	0.00E+00	0.00E+00	2.65E-09
11937	500219.1	3734352	5.654E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.04E-08	0.00E+00	0.00E+00	1.61E-08	8.51E-10	1.82E-09	0.00E+00	0.00E+00	2.67E-09
11938	501050.2	3733553	1.347E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.32E-10	0.00E+00	0.00E+00	6.35E-10
11939	501046.5	3733562	1.358E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.36E-10	0.00E+00	0.00E+00	6.40E-10
11940	501042.8	3733571	1.369E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	2.06E-10	4.40E-10	0.00E+00	0.00E+00	6.46E-10
11941	501039.1	3733580	1.381E-09	2.54E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.43E-10	0.00E+00	0.00E+00	6.51E-10
11942	501035.3	3733589	1.392E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.57E-10
11943	501031.6	3733598	1.403E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	2.11E-10	4.51E-10	0.00E+00	0.00E+00	6.62E-10
11944	501027.9	3733607	1.415E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.67E-10
11945	501024.2	3733616	1.426E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.73E-10
11946	500994.4	3733687	1.531E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.22E-10
11947	500990.7	3733696	1.545E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	2.33E-10	4.96E-10	0.00E+00	0.00E+00	7.29E-10
11948	500987	3733705	1.559E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.35E-10
11949	500983.3	3733714	1.574E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.90E-09	0.00E+00	0.00E+00	4.47E-09	2.37E-10	5.05E-10	0.00E+00	0.00E+00	7.42E-10
11950	500979.6	3733723	1.589E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.93E-09	0.00E+00	0.00E+00	4.52E-09	2.39E-10	5.10E-10	0.00E+00	0.00E+00	7.49E-10
11951	500975.9	3733732	1.604E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	2.41E-10	5.15E-10	0.00E+00	0.00E+00	7.56E-10
11952	500961	3733768	1.664E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.85E-10
11953	500957.3	3733777	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
11954	500953.5	3733786	1.696E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
11955	500949.8	3733795	1.712E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.07E-10
11956	500946.1	3733804	1.728E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.18E-09	0.00E+00	0.00E+00	4.91E-09	2.60E-10	5.55E-10	0.00E+00	0.00E+00	8.15E-10

11957	500942.4	3733813	1.744E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.23E-10
11958	500938.7	3733822	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.30E-10
11959	500935	3733830	1.776E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.70E-10	0.00E+00	0.00E+00	8.38E-10
11960	500931.2	3733839	1.793E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
11961	500927.5	3733848	1.809E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
11962	500923.8	3733857	1.826E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.36E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.61E-10
11963	500920.1	3733866	1.843E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.77E-10	5.92E-10	0.00E+00	0.00E+00	8.69E-10
11964	500916.4	3733875	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.29E-09	2.80E-10	5.97E-10	0.00E+00	0.00E+00	8.77E-10
11965	500912.7	3733884	1.876E-09	3.46E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.33E-09	2.83E-10	6.03E-10	0.00E+00	0.00E+00	8.85E-10
11966	500908.9	3733893	1.893E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.93E-10
11967	500905.2	3733902	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.43E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.01E-10
11968	500901.5	3733911	1.927E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
11969	500897.8	3733920	1.945E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.24E-10	0.00E+00	0.00E+00	9.17E-10
11970	500894.1	3733929	1.962E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.25E-10
11971	500890.3	3733938	1.979E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.34E-10
11972	500886.6	3733947	1.996E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.68E-09	0.00E+00	0.00E+00	5.68E-09	3.01E-10	6.41E-10	0.00E+00	0.00E+00	9.42E-10
11973	500882.9	3733956	2.014E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.47E-10	0.00E+00	0.00E+00	9.50E-10
11974	500879.2	3733965	2.031E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.74E-09	0.00E+00	0.00E+00	5.77E-09	3.06E-10	6.52E-10	0.00E+00	0.00E+00	9.58E-10
11975	500875.5	3733974	2.048E-09	3.78E-09	0.00E+00	0.00E+00	5.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.82E-09	3.08E-10	6.58E-10	0.00E+00	0.00E+00	9.66E-10
11976	500871.8	3733983	2.066E-09	3.81E-09	0.00E+00	0.00E+00	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.87E-09	3.11E-10	6.63E-10	0.00E+00	0.00E+00	9.74E-10
11977	500868	3733991	2.083E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.83E-10
11978	500864.3	3734000	2.1E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.97E-09	3.16E-10	6.75E-10	0.00E+00	0.00E+00	9.91E-10
11979	500860.6	3734009	2.118E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.99E-10
11980	500856.9	3734018	2.135E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.07E-09	3.21E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
11981	500853.2	3734027	2.152E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.02E-09
11982	500849.5	3734036	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.17E-09	3.27E-10	6.97E-10	0.00E+00	0.00E+00	1.02E-09
11983	500845.7	3734045	2.187E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
11984	500842	3734054	2.204E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.08E-10	0.00E+00	0.00E+00	1.04E-09
11985	500838.3	3734063	2.221E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.09E-09	0.00E+00	0.00E+00	6.31E-09	3.34E-10	7.13E-10	0.00E+00	0.00E+00	1.05E-09
11986	500834.6	3734072	2.238E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
11987	500830.9	3734081	2.255E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.16E-09	0.00E+00	0.00E+00	6.41E-09	3.39E-10	7.24E-10	0.00E+00	0.00E+00	1.06E-09
11988	500827.1	3734090	2.271E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.19E-09	0.00E+00	0.00E+00	6.46E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
11989	500823.4	3734099	2.288E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	3.44E-10	7.35E-10	0.00E+00	0.00E+00	1.08E-09
11990	500819.7	3734108	2.304E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
11991	500765.3	3734167	2.561E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.28E-09	3.86E-10	8.22E-10	0.00E+00	0.00E+00	1.21E-09
11992	500756.4	3734171	2.607E-09	4.80E-09	0.00E+00	0.00E+00	7.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.80E-09	0.00E+00	0.00E+00	7.41E-09	3.92E-10	8.37E-10	0.00E+00	0.00E+00	1.23E-09
11993	500747.4	3734175	2.653E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	4.89E-09	0.00E+00	0.00E+00	7.54E-09	3.99E-10	8.52E-10	0.00E+00	0.00E+00	1.25E-09
11994	500738.4	3734178	2.701E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.27E-09
11995	500729.5	3734182	2.752E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.07E-09	0.00E+00	0.00E+00	7.82E-09	4.14E-10	8.84E-10	0.00E+00	0.00E+00	1.30E-09
11996	500720.5	3734186	2.802E-09	5.16E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.16E-09	0.00E+00	0.00E+00	7.97E-09	4.22E-10	9.00E-10	0.00E+00	0.00E+00	1.32E-09
11997	500711.6	3734189	2.851E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.26E-09	0.00E+00	0.00E+00	8.11E-09	4.29E-10	9.16E-10	0.00E+00	0.00E+00	1.35E-09
11998	500702.6	3734193	2.901E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.35E-09	0.00E+00	0.00E+00	8.25E-09	4.37E-10	9.32E-10	0.00E+00	0.00E+00	1.37E-09
11999	500693.7	3734197	2.952E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.48E-10	0.00E+00	0.00E+00	1.39E-09
12000	500684.7	3734200	3.003E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.54E-09	0.00E+00	0.00E+00	8.54E-09	4.52E-10	9.65E-10	0.00E+00	0.00E+00	1.42E-09
12001	500675.8	3734204	3.055E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	4.60E-10	9.81E-10	0.00E+00	0.00E+00	1.44E-09
12002	500666.8	3734208	3.106E-09	5.73E-09	0.00E+00	0.00E+00	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.83E-09	4.68E-10	9.98E-10	0.00E+00	0.00E+00	1.47E-09
12003	500657.9	3734211	3.158E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.82E-09	0.00E+00	0.00E+00	8.98E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
12004	500648.9	3734215	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.92E-09	0.00E+00	0.00E+00	9.13E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
12005	500639.9	3734219	3.263E-09	6.01E-09	0.00E+00	0.00E+00	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.01E-09	0.00E+00	0.00E+00	9.28E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
12006	500631	3734223	3.315E-09	6.11E-09	0.00E+00	0.00E+00	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.11E-09	0.00E+00	0.00E+00	9.43E-09	4.99E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
12007	500622	3734226	3.368E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
12008	500613.1	3734230	3.421E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	6.31E-09	0.00E+00	0.00E+00	9.73E-09	5.15E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
12009	500586.2	3734241	3.581E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
12010	500577.3	3734245	3.634E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
12011	500568.3	3734248	3.688E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
12012	500559.4	3734252	3.741E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
12013	500550.4	3734256	3.794E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
12014	500541.4	3734259	3.846E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.09E-09	0.00E+00	0.00E+00	1.09E-08	5.79E-10	1.24E-09	0.00E+00	0.00E+00	1.81E-09
12015	500532.5	3734263	3.899E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
12016	500523.5	3734267	3.952E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	7.28E-09	0.00E+00	0.00E+00	1.12E-08	5.95E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
12017	500514.6	3734271	4.004E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
12018	500505.6	3734274	4.056E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
12019	500496.7	3734278	4.107E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	7.57E-09	0.00E+00	0.00E+00	1.17E-08	6.18E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
12020	500487.7	3734282	4.157E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.26E-10	1.34E-09	0.00E+00	0.00E+00	1.96E-09
12021	500478.8	3734285	4.207E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.75E-09	0.00E+00	0.00E+00	1.20E-08	6.33E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
12022	500469.8	3734289	4.264E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	7.86E-09	0.00E+00	0.00E+00	1.21E-08	6.42E-10	1.37E-09	0.00E+00	0.00E+00	2.01E-09
12023	500460.9	3734293	4.313E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	7.95E-09	0.00E+00	0.00E+00	1.23E-08	6.49E-10	1.39E-09	0.00E+00	0.00E+00	2.03E-09
12024	500451.9	3734296	4.362E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.04E-09	0.00E+00	0.00E+00	1.24E-08	6.57E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
12025	500442.9	3734300	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.13E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
12026	500434	3734304	4.457E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	8.22E-09	0.00E+00	0.00E+00	1.27E-08	6.71E-10	1.43E-09	0.00E+00	0.00E+00	2.10E-09
12027	500425	3734307	4.504E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	8.30E-09	0.00E+00	0.00E+00	1.28E-08	6.78E-10	1.45E-09	0.00E+00	0.00E+00	2.12E-09
12028	500416.1	3734311	4.55E-09	8.39E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	8.39E-09	0.00E+00	0.00E+00	1.29E-08	6.85E-10	1.46E-09	0.00E+00	0.00E+00	2.15E-09
12029	500407.1	3734315	4.595E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	8.47E-09	0.00E+00	0.00E+00	1.31E-08	6.92E-10	1.48E-09	0.00E+00	0.00E+00	2.17E-09
12030	500398.2	3734319	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	8.55E-09	0.00E+00	0.00E+00	1.32E-08	6.99E-10	1.49E-09	0.00E+00	0.00E+00	2.19E-09
12031	500389.2	3734322	4.683E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	8.63E-09	0.00E+00	0.00E+00	1.33E-08	7.05E-10	1.50E-09	0.00E+00	0.00E+00	2.21E-09
12032	500380.3	3734326	4.727E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	8.71E-09	0.00E+00	0.00E+00	1.34E-08	7.12E-10	1.52E-09	0.00E+00	0.00E+00	2.23E-09
12033	500371.3	3734330	4.769E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	8.79E-09	0.00E+00	0.00E+00	1.36E-08	7.18E-10	1.53E-09	0.00E+00	0.00E+00	2.25E-09
12034	500362.4	3734333	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	8.87E-09	0.00E+00	0.00E+00	1.37E-08	7.24E-10	1.54E-09	0.00E+00	0.00E+00	2.27E-09
12035	500353.4	3734337	4.851E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	8.94E-09	0.00E+00	0.00E+00	1.38E-08	7.30E-10	1.56E-09	0.00E+00	0.00E+00	2.29E-09
12036	500344.4	3734341	4.891E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	9.01E-09	0.00E+00	0.00E+00	1.39E-08	7.36E-10	1.57E-09	0.00E+00	0.00E+00	2.31E-09
12037	500335.5	3734344	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-09	9.09E-09	0.00E+00	0.00E+00	1.40E-08	7.42E-10	1.58E-09	0.00E+00	0.00E+00	2.33E-09
12038	500326.5	3734348	4.968E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	9.16E-09	0.00E+00	0.00E+00	1.41E-08	7.48E-10	1.60E-09	0.00E+00	0.00E+00	2.34E-09
12039	500317.6	3734352	5.005E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	9.23E-09	0.00E+00	0.00E+00	1.42E-08	7.54E-10	1.61E-09	0.00E+00	0.00E+00	2.36E-09
12040	500308.6	3734355	5.041E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	9.29E-09	0.00E+00	0.00E+00	1.43E-08	7.59E-10	1.62E-09	0.00E+00	0.00E+00	2.38E-09
12041	500299.7	3734359	5.077E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	9.36E-09	0.00E+00	0.00E+00	1.44E-08	7.64E-10	1.63E-09	0.00E+00	0.00E+00	2.39E-09
12042	501053.9	3733544	1.336E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12043	501053.9	3733535	1.336E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12044	501053.9	3733525	1.336E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12045	501054	3733515	1.336E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12046	501054	3733505	1.334E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.29E-10
12047	501054	3733496	1.332E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.28E-10
12048	501054	3733447	1.336E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12049	501054	3733437	1.336E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12050	501054	3733428	1.338E-09	2.47E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.30E-10	0.00E+00	0.00E+00	6.31E-10
12051	501054.1	3733418	1.339E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.30E-10	0.00E+00	0.00E+00	6.32E-10
12052	501054.1	3733408	1.341E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.32E-10
12053	501054.1	3733398	1.343E-09	2.47E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.82E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.33E-10
12054	501054.1	3733389	1.345E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	2.02E-10	4.32E-10	0.00E+00	0.00E+00	6.34E-10
12055	501054.1	3733379	1.347E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.33E-10	0.00E+00	0.00E+00	6.36E-10
12056	501054.1	3733369	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.03E-10	4.34E-10	0.00E+00	0.00E+00	6.37E-10
12057	501054.1	3733360	1.353E-09	2.49E-09	0.00E+00	0.00E+00	3.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.85E-09	2.04E-10	4.35E-10	0.00E+00	0.00E+00	6.38E-10
12058	501054.1	3733340	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.41E-10
12059	501054.1	3733330	1.364E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	2.05E-10	4.38E-10	0.00E+00	0.00E+00	6.43E-10
12060	501054.2	3733321	1.368E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	2.06E-10	4.39E-10	0.00E+00	0.00E+00	6.45E-10
12061	501054.2	3733311	1.372E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.90E-09	2.07E-10	4.41E-10	0.00E+00	0.00E+00	6.47E-10
12062	501054.2	3733301	1.377E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.49E-10
12063	501054.2	3733291	1.381E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.55E-09	0.00E+00	0.00E+00	3.93E-09	2.08E-10	4.44E-10	0.00E+00	0.00E+00	6.52E-10
12064	501054.2	3733282	1.387E-09	2.56E-09	0.00E+00	0.00E+00	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.94E-09	2.09E-10	4.45E-10	0.00E+00	0.00E+00	6.54E-10
12065	501054.2	3733272	1.392E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.57E-10
12066	501054.2	3733262	1.4E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.49E-10	0.00E+00	0.00E+00	6.60E-10
12067	501054.2	3733253	1.407E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.64E-10
12068	501054.2	3733243	1.414E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.67E-10
12069	501054.2	3733233	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.62E-09	0.00E+00	0.00E+00	4.04E-09	2.14E-10	4.56E-10	0.00E+00	0.00E+00	6.70E-10
12070	501054.3	3733223	1.427E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.73E-10
12071	501054.3	3733214	1.433E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.60E-10	0.00E+00	0.00E+00	6.76E-10
12072	501054.3	3733204	1.439E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	2.17E-10	4.62E-10	0.00E+00	0.00E+00	6.79E-10
12073	501090.2	3733553	1.253E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.89E-10	4.02E-10	0.00E+00	0.00E+00	5.91E-10
12074	501086.5	3733562	1.262E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.95E-10
12075	501082.7	3733571	1.272E-09	2.34E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.08E-10	0.00E+00	0.00E+00	6.00E-10
12076	501079	3733580	1.282E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	1.93E-10	4.12E-10	0.00E+00	0.00E+00	6.05E-10
12077	501075.3	3733589	1.292E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.15E-10	0.00E+00	0.00E+00	6.09E-10
12078	501071.6	3733598	1.302E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.14E-10
12079	501067.8	3733607	1.313E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.19E-10
12080	501064.1	3733616	1.324E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.25E-10	0.00E+00	0.00E+00	6.25E-10
12081	501060.4	3733625	1.335E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12082	501056.7	3733634	1.345E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.32E-10	0.00E+00	0.00E+00	6.35E-10
12083	501052.9	3733643	1.357E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.36E-10	0.00E+00	0.00E+00	6.40E-10
12084	501049.2	3733652	1.368E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.52E-09	0.00E+00	0.00E+00	3.89E-09	2.06E-10	4.39E-10	0.00E+00	0.00E+00	6.45E-10
12085	501045.5	3733661	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	2.08E-10	4.43E-10	0.00E+00	0.00E+00	6.51E-10
12086	501041.8	3733670	1.392E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.57E-09	0.00E+00	0.00E+00	3.96E-09	2.10E-10	4.47E-10	0.00E+00	0.00E+00	6.57E-10

12087	501038	3733679	1.405E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.59E-09	0.00E+00	0.00E+00	3.99E-09	2.11E-10	4.51E-10	0.00E+00	0.00E+00	6.63E-10
12088	501034.3	3733688	1.418E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.69E-10
12089	501030.6	3733697	1.431E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.64E-09	0.00E+00	0.00E+00	4.07E-09	2.15E-10	4.60E-10	0.00E+00	0.00E+00	6.75E-10
12090	501026.9	3733706	1.444E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.66E-09	0.00E+00	0.00E+00	4.10E-09	2.17E-10	4.64E-10	0.00E+00	0.00E+00	6.81E-10
12091	500997	3733777	1.552E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.34E-10	4.99E-10	0.00E+00	0.00E+00	7.32E-10
12092	500993.3	3733786	1.567E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	2.89E-09	0.00E+00	0.00E+00	4.46E-09	2.36E-10	5.03E-10	0.00E+00	0.00E+00	7.39E-10
12093	500989.6	3733795	1.581E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.46E-10
12094	500985.9	3733804	1.594E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
12095	500982.1	3733813	1.606E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
12096	500978.4	3733822	1.621E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.65E-10
12097	500974.7	3733831	1.636E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.25E-10	0.00E+00	0.00E+00	7.72E-10
12098	500971	3733840	1.652E-09	3.04E-09	0.00E+00	0.00E+00	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.70E-09	2.49E-10	5.31E-10	0.00E+00	0.00E+00	7.79E-10
12099	500967.2	3733849	1.667E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.07E-09	0.00E+00	0.00E+00	4.74E-09	2.51E-10	5.35E-10	0.00E+00	0.00E+00	7.86E-10
12100	500963.5	3733858	1.682E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.78E-09	2.53E-10	5.40E-10	0.00E+00	0.00E+00	7.93E-10
12101	500959.8	3733867	1.695E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.12E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.44E-10	0.00E+00	0.00E+00	8.00E-10
12102	500956.1	3733876	1.709E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
12103	500952.3	3733885	1.724E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.60E-10	5.54E-10	0.00E+00	0.00E+00	8.13E-10
12104	500948.6	3733894	1.739E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.20E-10
12105	500944.9	3733903	1.756E-09	3.24E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	4.99E-09	2.64E-10	5.64E-10	0.00E+00	0.00E+00	8.28E-10
12106	500941.2	3733912	1.772E-09	3.27E-09	0.00E+00	0.00E+00	5.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.27E-09	0.00E+00	0.00E+00	5.04E-09	2.67E-10	5.69E-10	0.00E+00	0.00E+00	8.36E-10
12107	500937.4	3733921	1.789E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.69E-10	5.74E-10	0.00E+00	0.00E+00	8.44E-10
12108	500933.7	3733930	1.805E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.51E-10
12109	500930	3733939	1.821E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.59E-10
12110	500926.2	3733948	1.836E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.38E-09	0.00E+00	0.00E+00	5.22E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.66E-10
12111	500922.5	3733957	1.849E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.26E-09	2.78E-10	5.94E-10	0.00E+00	0.00E+00	8.72E-10
12112	500918.8	3733966	1.862E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.79E-10
12113	500915.1	3733975	1.879E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.86E-10
12114	500911.3	3733984	1.896E-09	3.50E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.39E-09	2.85E-10	6.09E-10	0.00E+00	0.00E+00	8.94E-10
12115	500907.6	3733993	1.913E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.03E-10
12116	500903.9	3734001	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.56E-09	0.00E+00	0.00E+00	5.49E-09	2.91E-10	6.20E-10	0.00E+00	0.00E+00	9.11E-10
12117	500900.2	3734010	1.948E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.25E-10	0.00E+00	0.00E+00	9.19E-10
12118	500896.4	3734019	1.965E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.27E-10
12119	500892.7	3734028	1.981E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.36E-10	0.00E+00	0.00E+00	9.35E-10
12120	500889	3734037	1.995E-09	3.68E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.68E-09	0.00E+00	0.00E+00	5.67E-09	3.00E-10	6.41E-10	0.00E+00	0.00E+00	9.41E-10
12121	500885.3	3734046	2.008E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	3.02E-10	6.45E-10	0.00E+00	0.00E+00	9.47E-10
12122	500881.5	3734055	2.023E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	3.05E-10	6.50E-10	0.00E+00	0.00E+00	9.54E-10
12123	500877.8	3734064	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
12124	500874.1	3734073	2.057E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.79E-09	0.00E+00	0.00E+00	5.85E-09	3.10E-10	6.61E-10	0.00E+00	0.00E+00	9.70E-10
12125	500870.4	3734082	2.074E-09	3.82E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.82E-09	0.00E+00	0.00E+00	5.90E-09	3.12E-10	6.66E-10	0.00E+00	0.00E+00	9.78E-10
12126	500866.6	3734091	2.091E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.94E-09	3.15E-10	6.71E-10	0.00E+00	0.00E+00	9.86E-10
12127	500862.9	3734100	2.108E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	3.17E-10	6.77E-10	0.00E+00	0.00E+00	9.94E-10
12128	500859.2	3734109	2.124E-09	3.92E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.92E-09	0.00E+00	0.00E+00	6.04E-09	3.20E-10	6.82E-10	0.00E+00	0.00E+00	1.00E-09
12129	500855.4	3734118	2.139E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.94E-09	0.00E+00	0.00E+00	6.08E-09	3.22E-10	6.87E-10	0.00E+00	0.00E+00	1.01E-09
12130	500851.7	3734127	2.152E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.91E-10	0.00E+00	0.00E+00	1.01E-09
12131	500848	3734136	2.165E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	3.99E-09	0.00E+00	0.00E+00	6.16E-09	3.26E-10	6.95E-10	0.00E+00	0.00E+00	1.02E-09
12132	500833.1	3734172	2.228E-09	4.11E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.11E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.15E-10	0.00E+00	0.00E+00	1.05E-09
12133	500820.4	3734184	2.282E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.49E-09	3.44E-10	7.33E-10	0.00E+00	0.00E+00	1.08E-09
12134	500811.4	3734188	2.322E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	3.50E-10	7.46E-10	0.00E+00	0.00E+00	1.10E-09
12135	500802.4	3734192	2.363E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.36E-09	0.00E+00	0.00E+00	6.72E-09	3.56E-10	7.59E-10	0.00E+00	0.00E+00	1.11E-09
12136	500793.5	3734196	2.405E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.43E-09	0.00E+00	0.00E+00	6.84E-09	3.62E-10	7.72E-10	0.00E+00	0.00E+00	1.13E-09
12137	500784.5	3734199	2.447E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	4.51E-09	0.00E+00	0.00E+00	6.96E-09	3.68E-10	7.86E-10	0.00E+00	0.00E+00	1.15E-09
12138	500775.5	3734203	2.489E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	7.99E-10	0.00E+00	0.00E+00	1.17E-09
12139	500766.5	3734207	2.532E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.13E-10	0.00E+00	0.00E+00	1.19E-09
12140	500757.6	3734210	2.576E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.32E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.22E-09
12141	500748.6	3734214	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.45E-09	3.95E-10	8.42E-10	0.00E+00	0.00E+00	1.24E-09
12142	500739.6	3734218	2.665E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	4.01E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
12143	500730.6	3734221	2.711E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	5.00E-09	0.00E+00	0.00E+00	7.71E-09	4.08E-10	8.71E-10	0.00E+00	0.00E+00	1.28E-09
12144	500721.7	3734225	2.757E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.85E-10	0.00E+00	0.00E+00	1.30E-09
12145	500712.7	3734229	2.803E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	5.17E-09	0.00E+00	0.00E+00	7.97E-09	4.22E-10	9.00E-10	0.00E+00	0.00E+00	1.32E-09
12146	500703.7	3734233	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
12147	500694.7	3734236	2.897E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	5.34E-09	0.00E+00	0.00E+00	8.24E-09	4.36E-10	9.30E-10	0.00E+00	0.00E+00	1.37E-09
12148	500685.8	3734240	2.944E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	4.43E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
12149	500676.8	3734244	2.993E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
12150	500667.8	3734247	3.042E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.44E-09
12151	500658.8	3734251	3.091E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.70E-09	0.00E+00	0.00E+00	8.79E-09	4.65E-10	9.93E-10	0.00E+00	0.00E+00	1.46E-09
12152	500649.9	3734255	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
12153	500640.9	3734258	3.189E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	5.88E-09	0.00E+00	0.00E+00	9.07E-09	4.80E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
12154	500631.9	3734262	3.239E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
12155	500622.9	3734266	3.289E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
12156	500614	3734270	3.338E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.15E-09	0.00E+00	0.00E+00	9.49E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
12157	500587	3734281	3.485E-09	6.42E-09	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	6.42E-09	0.00E+00	0.00E+00	9.91E-09	5.25E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
12158	500578.1	3734284	3.533E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
12159	500569.1	3734288	3.582E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
12160	500560.1	3734292	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
12161	500551.1	3734295	3.678E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
12162	500542.2	3734299	3.726E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
12163	500533.2	3734303	3.774E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
12164	500524.2	3734307	3.821E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
12165	500515.2	3734310	3.868E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
12166	500506.3	3734314	3.914E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
12167	500497.3	3734318	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
12168	500488.3	3734321	4.006E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
12169	500479.3	3734325	4.052E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	7.47E-09	0.00E+00	0.00E+00	1.15E-08	6.10E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
12170	500470.4	3734329	4.097E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	7.55E-09	0.00E+00	0.00E+00	1.16E-08	6.17E-10	1.32E-09	0.00E+00	0.00E+00	1.93E-09
12171	500461.4	3734332	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	7.63E-09	0.00E+00	0.00E+00	1.18E-08	6.23E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
12172	500452.4	3734336	4.183E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	7.71E-09	0.00E+00	0.00E+00	1.19E-08	6.30E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
12173	500443.4	3734340	4.226E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.36E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
12174	500434.5	3734344	4.276E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.88E-09	0.00E+00	0.00E+00	1.22E-08	6.44E-10	1.37E-09	0.00E+00	0.00E+00	2.02E-09
12175	500425.5	3734347	4.318E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	7.96E-09	0.00E+00	0.00E+00	1.23E-08	6.50E-10	1.39E-09	0.00E+00	0.00E+00	2.04E-09
12176	500416.5	3734351	4.359E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	8.03E-09	0.00E+00	0.00E+00	1.24E-08	6.56E-10	1.40E-09	0.00E+00	0.00E+00	2.06E-09
12177	500407.5	3734355	4.4E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	8.11E-09	0.00E+00	0.00E+00	1.25E-08	6.62E-10	1.41E-09	0.00E+00	0.00E+00	2.08E-09
12178	500398.6	3734358	4.439E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	8.18E-09	0.00E+00	0.00E+00	1.26E-08	6.68E-10	1.43E-09	0.00E+00	0.00E+00	2.09E-09
12179	501093.9	3733544	1.244E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10
12180	501093.9	3733535	1.244E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.87E-10
12181	501093.9	3733525	1.243E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
12182	501094	3733515	1.243E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
12183	501094	3733505	1.242E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
12184	501094	3733467	1.241E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.85E-10
12185	501094	3733457	1.242E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
12186	501094	3733447	1.243E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
12187	501094	3733437	1.244E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.87E-10
12188	501094	3733428	1.245E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10
12189	501094.1	3733418	1.248E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	1.88E-10	4.01E-10	0.00E+00	0.00E+00	5.88E-10
12190	501094.1	3733408	1.251E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.88E-10	4.02E-10	0.00E+00	0.00E+00	5.90E-10
12191	501094.1	3733398	1.255E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.92E-10
12192	501094.1	3733389	1.257E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.04E-10	0.00E+00	0.00E+00	5.93E-10
12193	501094.1	3733379	1.259E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.04E-10	0.00E+00	0.00E+00	5.94E-10
12194	501094.1	3733369	1.262E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.59E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.95E-10
12195	501094.1	3733360	1.265E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	1.90E-10	4.06E-10	0.00E+00	0.00E+00	5.97E-10
12196	501094.1	3733340	1.271E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	5.99E-10
12197	501094.1	3733330	1.274E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.35E-09	0.00E+00	0.00E+00	3.62E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.01E-10
12198	501094.2	3733321	1.278E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.03E-10
12199	501094.2	3733311	1.282E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	1.93E-10	4.12E-10	0.00E+00	0.00E+00	6.05E-10
12200	501094.2	3733301	1.286E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.13E-10	0.00E+00	0.00E+00	6.07E-10
12201	501094.2	3733282	1.295E-09	2.39E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.11E-10
12202	501094.2	3733272	1.3E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
12203	501094.2	3733262	1.305E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	1.96E-10	4.19E-10	0.00E+00	0.00E+00	6.16E-10
12204	501094.2	3733253	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.97E-10	4.21E-10	0.00E+00	0.00E+00	6.18E-10
12205	501094.2	3733243	1.316E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.23E-10	0.00E+00	0.00E+00	6.21E-10
12206	501094.3	3733223	1.327E-09	2.45E-09	0.00E+00	0.00E+00	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.77E-09	2.00E-10	4.26E-10	0.00E+00	0.00E+00	6.26E-10
12207	501094.3	3733214	1.333E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.46E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.29E-10
12208	501094.3	3733204	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.30E-10	0.00E+00	0.00E+00	6.32E-10
12209	501125.9	3733553	1.181E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.79E-10	0.00E+00	0.00E+00	5.57E-10
12210	501122.2	3733562	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.82E-10	0.00E+00	0.00E+00	5.61E-10
12211	501118.5	3733571	1.198E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.80E-10	3.85E-10	0.00E+00	0.00E+00	5.65E-10
12212	501114.8	3733580	1.207E-09	2.23E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.43E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.69E-10
12213	501111.1	3733589	1.216E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.91E-10	0.00E+00	0.00E+00	5.74E-10
12214	501107.3	3733598	1.226E-09	2.26E-09	0.00E+00	0.00E+00	3.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.48E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.78E-10
12215	501103.6	3733607	1.235E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.97E-10	0.00E+00	0.00E+00	5.83E-10
12216	501099.9	3733616	1.245E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.54E-09	1.87E-10	4.00E-10	0.00E+00	0.00E+00	5.87E-10

12217	501096.2	3733625	1.255E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.03E-10	0.00E+00	0.00E+00	5.92E-10
12218	501092.5	3733634	1.265E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.33E-09	0.00E+00	0.00E+00	3.60E-09	1.90E-10	4.06E-10	0.00E+00	0.00E+00	5.97E-10
12219	501088.8	3733643	1.275E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.09E-10	0.00E+00	0.00E+00	6.01E-10
12220	501085	3733652	1.286E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.13E-10	0.00E+00	0.00E+00	6.06E-10
12221	501081.3	3733661	1.296E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.69E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.11E-10
12222	501077.6	3733670	1.307E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	1.97E-10	4.20E-10	0.00E+00	0.00E+00	6.17E-10
12223	501073.9	3733678	1.318E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.98E-10	4.23E-10	0.00E+00	0.00E+00	6.22E-10
12224	501070.2	3733687	1.329E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.27E-10
12225	501066.4	3733696	1.341E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.32E-10
12226	501062.7	3733705	1.352E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.04E-10	4.34E-10	0.00E+00	0.00E+00	6.38E-10
12227	501059	3733714	1.364E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.88E-09	2.05E-10	4.38E-10	0.00E+00	0.00E+00	6.43E-10
12228	501055.3	3733723	1.376E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.49E-10
12229	501051.6	3733732	1.388E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.55E-10
12230	500995.8	3733866	1.581E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	2.91E-09	0.00E+00	0.00E+00	4.49E-09	2.38E-10	5.08E-10	0.00E+00	0.00E+00	7.46E-10
12231	500992.1	3733875	1.594E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	2.94E-09	0.00E+00	0.00E+00	4.53E-09	2.40E-10	5.12E-10	0.00E+00	0.00E+00	7.52E-10
12232	500988.4	3733884	1.608E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	2.96E-09	0.00E+00	0.00E+00	4.57E-09	2.42E-10	5.16E-10	0.00E+00	0.00E+00	7.58E-10
12233	500984.7	3733893	1.622E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.99E-09	0.00E+00	0.00E+00	4.61E-09	2.44E-10	5.21E-10	0.00E+00	0.00E+00	7.65E-10
12234	500981	3733902	1.635E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.25E-10	0.00E+00	0.00E+00	7.71E-10
12235	500977.2	3733911	1.649E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	2.48E-10	5.30E-10	0.00E+00	0.00E+00	7.78E-10
12236	500973.5	3733920	1.663E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.07E-09	0.00E+00	0.00E+00	4.73E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.84E-10
12237	500969.8	3733929	1.677E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.09E-09	0.00E+00	0.00E+00	4.77E-09	2.52E-10	5.39E-10	0.00E+00	0.00E+00	7.91E-10
12238	500966.1	3733938	1.691E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.12E-09	0.00E+00	0.00E+00	4.81E-09	2.55E-10	5.43E-10	0.00E+00	0.00E+00	7.98E-10
12239	500962.4	3733947	1.705E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.14E-09	0.00E+00	0.00E+00	4.85E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.04E-10
12240	500958.7	3733956	1.719E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
12241	500954.9	3733965	1.733E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.57E-10	0.00E+00	0.00E+00	8.18E-10
12242	500951.2	3733974	1.747E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	2.63E-10	5.61E-10	0.00E+00	0.00E+00	8.24E-10
12243	500947.5	3733983	1.762E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.65E-10	5.66E-10	0.00E+00	0.00E+00	8.31E-10
12244	500943.8	3733991	1.776E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.70E-10	0.00E+00	0.00E+00	8.38E-10
12245	500940.1	3734000	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.70E-10	5.75E-10	0.00E+00	0.00E+00	8.45E-10
12246	500936.4	3734009	1.805E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.80E-10	0.00E+00	0.00E+00	8.51E-10
12247	500932.6	3734018	1.819E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
12248	500928.9	3734027	1.834E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.65E-10
12249	500925.2	3734036	1.848E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.41E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.94E-10	0.00E+00	0.00E+00	8.72E-10
12250	500921.5	3734045	1.863E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.43E-09	0.00E+00	0.00E+00	5.30E-09	2.80E-10	5.98E-10	0.00E+00	0.00E+00	8.79E-10
12251	500917.8	3734054	1.877E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.46E-09	0.00E+00	0.00E+00	5.34E-09	2.83E-10	6.03E-10	0.00E+00	0.00E+00	8.86E-10
12252	500914.1	3734063	1.892E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.92E-10
12253	500910.3	3734072	1.906E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.51E-09	0.00E+00	0.00E+00	5.42E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	8.99E-10
12254	500906.6	3734081	1.921E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.54E-09	0.00E+00	0.00E+00	5.46E-09	2.89E-10	6.17E-10	0.00E+00	0.00E+00	9.06E-10
12255	500902.9	3734090	1.935E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.22E-10	0.00E+00	0.00E+00	9.13E-10
12256	500899.2	3734099	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.94E-10	6.26E-10	0.00E+00	0.00E+00	9.20E-10
12257	500895.5	3734108	1.964E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.27E-10
12258	500891.8	3734117	1.979E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
12259	500888	3734126	1.994E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.40E-10
12260	500884.3	3734135	2.008E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.71E-09	3.02E-10	6.45E-10	0.00E+00	0.00E+00	9.47E-10
12261	500869.4	3734170	2.064E-09	3.80E-09	0.00E+00	0.00E+00	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	3.80E-09	0.00E+00	0.00E+00	5.87E-09	3.11E-10	6.63E-10	0.00E+00	0.00E+00	9.74E-10
12262	500865.7	3734179	2.078E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.91E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
12263	500862	3734188	2.091E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	3.85E-09	0.00E+00	0.00E+00	5.95E-09	3.15E-10	6.72E-10	0.00E+00	0.00E+00	9.87E-10
12264	500858.3	3734197	2.106E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.88E-09	0.00E+00	0.00E+00	5.99E-09	3.17E-10	6.76E-10	0.00E+00	0.00E+00	9.93E-10
12265	500845.6	3734210	2.159E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.98E-09	0.00E+00	0.00E+00	6.14E-09	3.25E-10	6.94E-10	0.00E+00	0.00E+00	1.02E-09
12266	500836.7	3734213	2.199E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.05E-09	0.00E+00	0.00E+00	6.25E-09	3.31E-10	7.06E-10	0.00E+00	0.00E+00	1.04E-09
12267	500827.7	3734217	2.239E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.37E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
12268	500818.8	3734221	2.277E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.47E-09	3.43E-10	7.31E-10	0.00E+00	0.00E+00	1.07E-09
12269	500809.8	3734224	2.315E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.27E-09	0.00E+00	0.00E+00	6.58E-09	3.49E-10	7.44E-10	0.00E+00	0.00E+00	1.09E-09
12270	500800.9	3734228	2.355E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	4.34E-09	0.00E+00	0.00E+00	6.69E-09	3.55E-10	7.56E-10	0.00E+00	0.00E+00	1.11E-09
12271	500791.9	3734232	2.394E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	3.61E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
12272	500783	3734236	2.435E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.49E-09	0.00E+00	0.00E+00	6.92E-09	3.67E-10	7.82E-10	0.00E+00	0.00E+00	1.15E-09
12273	500774	3734239	2.475E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	4.56E-09	0.00E+00	0.00E+00	7.04E-09	3.73E-10	7.95E-10	0.00E+00	0.00E+00	1.17E-09
12274	500765.1	3734243	2.517E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.64E-09	0.00E+00	0.00E+00	7.16E-09	3.79E-10	8.08E-10	0.00E+00	0.00E+00	1.19E-09
12275	500756.1	3734247	2.559E-09	4.72E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.27E-09	3.85E-10	8.22E-10	0.00E+00	0.00E+00	1.21E-09
12276	500747.1	3734250	2.601E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.92E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
12277	500738.2	3734254	2.643E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.52E-09	3.98E-10	8.49E-10	0.00E+00	0.00E+00	1.25E-09
12278	500729.2	3734258	2.686E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.95E-09	0.00E+00	0.00E+00	7.64E-09	4.04E-10	8.63E-10	0.00E+00	0.00E+00	1.27E-09
12279	500720.3	3734261	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.77E-10	0.00E+00	0.00E+00	1.29E-09
12280	500711.3	3734265	2.774E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.91E-10	0.00E+00	0.00E+00	1.31E-09
12281	500702.4	3734269	2.818E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
12282	500693.4	3734272	2.862E-09	5.28E-09	0.00E+00	0.00E+00	8.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	5.28E-09	0.00E+00	0.00E+00	8.14E-09	4.31E-10	9.19E-10	0.00E+00	0.00E+00	1.35E-09
12283	500684.5	3734276	2.907E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.26E-09	4.38E-10	9.33E-10	0.00E+00	0.00E+00	1.37E-09
12284	500675.5	3734280	2.952E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.48E-10	0.00E+00	0.00E+00	1.39E-09
12285	500666.6	3734284	2.997E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	5.52E-09	0.00E+00	0.00E+00	8.52E-09	4.51E-10	9.62E-10	0.00E+00	0.00E+00	1.41E-09
12286	500657.6	3734287	3.042E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	5.61E-09	0.00E+00	0.00E+00	8.65E-09	4.58E-10	9.77E-10	0.00E+00	0.00E+00	1.43E-09
12287	500648.7	3734291	3.088E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	5.69E-09	0.00E+00	0.00E+00	8.78E-09	4.65E-10	9.92E-10	0.00E+00	0.00E+00	1.46E-09
12288	500639.7	3734295	3.134E-09	5.78E-09	0.00E+00	0.00E+00	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	5.78E-09	0.00E+00	0.00E+00	8.91E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
12289	500630.8	3734298	3.181E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.86E-09	0.00E+00	0.00E+00	9.04E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
12290	500621.8	3734302	3.227E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.95E-09	0.00E+00	0.00E+00	9.17E-09	4.86E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
12291	500612.9	3734306	3.272E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.03E-09	0.00E+00	0.00E+00	9.30E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
12292	500586	3734317	3.408E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
12293	500577	3734320	3.452E-09	6.36E-09	0.00E+00	0.00E+00	9.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.82E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
12294	500568.1	3734324	3.497E-09	6.45E-09	0.00E+00	0.00E+00	9.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.94E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
12295	500559.1	3734328	3.541E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
12296	500550.2	3734332	3.585E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
12297	500541.2	3734335	3.629E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.69E-09	0.00E+00	0.00E+00	1.03E-08	5.46E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
12298	500532.3	3734339	3.672E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	6.77E-09	0.00E+00	0.00E+00	1.04E-08	5.53E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
12299	500523.3	3734343	3.715E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
12300	500514.4	3734346	3.757E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
12301	500505.4	3734350	3.799E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
12302	500496.5	3734354	3.841E-09	7.08E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.08E-09	0.00E+00	0.00E+00	1.09E-08	5.78E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
12303	500487.5	3734357	3.882E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
12304	500478.6	3734361	3.923E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
12305	500469.6	3734365	3.962E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.97E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
12306	500460.7	3734368	4.002E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	7.38E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
12307	500451.7	3734372	4.041E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
12308	500442.8	3734376	4.079E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.52E-09	0.00E+00	0.00E+00	1.16E-08	6.14E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
12309	500433.8	3734379	4.117E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	7.59E-09	0.00E+00	0.00E+00	1.17E-08	6.20E-10	1.32E-09	0.00E+00	0.00E+00	1.94E-09
12310	500424.8	3734383	4.154E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	7.66E-09	0.00E+00	0.00E+00	1.18E-08	6.25E-10	1.33E-09	0.00E+00	0.00E+00	1.96E-09
12311	500415.9	3734387	4.191E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	6.31E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
12312	500406.9	3734391	4.238E-09	7.81E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.81E-09	0.00E+00	0.00E+00	1.21E-08	6.38E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
12313	501129.6	3733544	1.173E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.53E-10
12314	501129.6	3733535	1.172E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.53E-10
12315	501129.7	3733525	1.171E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.53E-10
12316	501129.7	3733476	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.52E-10
12317	501129.7	3733467	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.52E-10
12318	501129.7	3733457	1.171E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.52E-10
12319	501129.7	3733447	1.171E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.52E-10
12320	501129.7	3733437	1.172E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.53E-10
12321	501129.8	3733428	1.173E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.53E-10
12322	501129.8	3733418	1.175E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.54E-10
12323	501129.8	3733408	1.176E-09	2.17E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.55E-10
12324	501129.8	3733399	1.178E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.56E-10
12325	501129.8	3733389	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	1.78E-10	3.79E-10	0.00E+00	0.00E+00	5.57E-10
12326	501129.8	3733379	1.182E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
12327	501129.8	3733369	1.184E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.37E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.59E-10
12328	501129.8	3733360	1.188E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.82E-10	0.00E+00	0.00E+00	5.60E-10
12329	501129.8	3733340	1.198E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.80E-10	3.85E-10	0.00E+00	0.00E+00	5.65E-10
12330	501129.9	3733330	1.202E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.67E-10
12331	501129.9	3733321	1.206E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.22E-09	0.00E+00	0.00E+00	3.43E-09	1.82E-10	3.87E-10	0.00E+00	0.00E+00	5.69E-10
12332	501129.9	3733311	1.209E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.70E-10
12333	501129.9	3733301	1.213E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.72E-10
12334	501129.9	3733282	1.222E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.76E-10
12335	501129.9	3733272	1.226E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.78E-10
12336	501129.9	3733262	1.231E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.80E-10
12337	501129.9	3733253	1.235E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.97E-10	0.00E+00	0.00E+00	5.83E-10
12338	501129.9	3733243	1.241E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
12339	501130	3733223	1.251E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.88E-10	4.02E-10	0.00E+00	0.00E+00	5.90E-10
12340	501130	3733214	1.257E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.04E-10	0.00E+00	0.00E+00	5.93E-10
12341	501161.6	3733553	1.115E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.26E-10
12342	501157.9	3733562	1.121E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.29E-10
12343	501154.2	3733571	1.128E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
12344	501150.5	3733580	1.137E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
12345	501146.8	3733589	1.146E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	1.73E-10	3.68E-10	0.00E+00	0.00E+00	5.41E-10
12346	501143.1	3733598	1.156E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.71E-10	0.00E+00	0.00E+00	5.45E-10

12347	501139.4	3733607	1.165E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.49E-10
12348	501135.7	3733616	1.174E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.54E-10
12349	501132	3733625	1.183E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
12350	501128.3	3733634	1.192E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.79E-10	3.83E-10	0.00E+00	0.00E+00	5.62E-10
12351	501124.6	3733643	1.201E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.67E-10
12352	501120.9	3733651	1.211E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.89E-10	0.00E+00	0.00E+00	5.71E-10
12353	501117.1	3733660	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.76E-10
12354	501113.4	3733669	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.80E-10
12355	501109.7	3733678	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
12356	501106	3733687	1.251E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.31E-09	0.00E+00	0.00E+00	3.56E-09	1.88E-10	4.02E-10	0.00E+00	0.00E+00	5.90E-10
12357	501102.3	3733696	1.261E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.95E-10
12358	501098.6	3733705	1.271E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	6.00E-10
12359	501094.9	3733714	1.282E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	1.93E-10	4.12E-10	0.00E+00	0.00E+00	6.05E-10
12360	501091.2	3733723	1.293E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.15E-10	0.00E+00	0.00E+00	6.10E-10
12361	501087.5	3733732	1.304E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	1.96E-10	4.19E-10	0.00E+00	0.00E+00	6.15E-10
12362	500994.8	3733955	1.605E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	2.96E-09	0.00E+00	0.00E+00	4.56E-09	2.42E-10	5.15E-10	0.00E+00	0.00E+00	7.57E-10
12363	500991.1	3733964	1.618E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.63E-10
12364	500987.3	3733973	1.631E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.24E-10	0.00E+00	0.00E+00	7.69E-10
12365	500983.6	3733982	1.644E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.03E-09	0.00E+00	0.00E+00	4.67E-09	2.47E-10	5.28E-10	0.00E+00	0.00E+00	7.75E-10
12366	500979.9	3733990	1.657E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.05E-09	0.00E+00	0.00E+00	4.71E-09	2.49E-10	5.32E-10	0.00E+00	0.00E+00	7.82E-10
12367	500976.2	3733999	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.51E-10	5.36E-10	0.00E+00	0.00E+00	7.88E-10
12368	500972.5	3734008	1.683E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	2.53E-10	5.41E-10	0.00E+00	0.00E+00	7.94E-10
12369	500968.8	3734017	1.696E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
12370	500965.1	3734026	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
12371	500961.4	3734035	1.723E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.18E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.13E-10
12372	500957.7	3734044	1.736E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.20E-09	0.00E+00	0.00E+00	4.94E-09	2.61E-10	5.58E-10	0.00E+00	0.00E+00	8.19E-10
12373	500954	3734053	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	2.63E-10	5.62E-10	0.00E+00	0.00E+00	8.25E-10
12374	500950.3	3734062	1.763E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.25E-09	0.00E+00	0.00E+00	5.01E-09	2.65E-10	5.66E-10	0.00E+00	0.00E+00	8.32E-10
12375	500946.5	3734071	1.776E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.27E-09	0.00E+00	0.00E+00	5.05E-09	2.67E-10	5.71E-10	0.00E+00	0.00E+00	8.38E-10
12376	500942.8	3734080	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.09E-09	2.69E-10	5.75E-10	0.00E+00	0.00E+00	8.44E-10
12377	500939.1	3734089	1.803E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.32E-09	0.00E+00	0.00E+00	5.13E-09	2.71E-10	5.79E-10	0.00E+00	0.00E+00	8.51E-10
12378	500935.4	3734098	1.817E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.83E-10	0.00E+00	0.00E+00	8.57E-10
12379	500931.7	3734106	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.20E-09	2.76E-10	5.88E-10	0.00E+00	0.00E+00	8.63E-10
12380	500928	3734115	1.844E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.78E-10	5.92E-10	0.00E+00	0.00E+00	8.70E-10
12381	500924.3	3734124	1.857E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.96E-10	0.00E+00	0.00E+00	8.76E-10
12382	500920.6	3734133	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.82E-10
12383	500905.8	3734169	1.923E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	3.55E-09	0.00E+00	0.00E+00	5.47E-09	2.90E-10	6.18E-10	0.00E+00	0.00E+00	9.07E-10
12384	500902	3734178	1.937E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.51E-09	2.92E-10	6.22E-10	0.00E+00	0.00E+00	9.13E-10
12385	500898.3	3734187	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.94E-10	6.26E-10	0.00E+00	0.00E+00	9.20E-10
12386	500894.6	3734196	1.962E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.58E-09	2.95E-10	6.30E-10	0.00E+00	0.00E+00	9.26E-10
12387	500890.9	3734205	1.975E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	2.97E-10	6.34E-10	0.00E+00	0.00E+00	9.32E-10
12388	500887.2	3734213	1.988E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.66E-09	0.00E+00	0.00E+00	5.65E-09	2.99E-10	6.38E-10	0.00E+00	0.00E+00	9.38E-10
12389	500883.5	3734222	2.001E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.43E-10	0.00E+00	0.00E+00	9.44E-10
12390	500870.9	3734235	2.047E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.77E-09	0.00E+00	0.00E+00	5.82E-09	3.08E-10	6.57E-10	0.00E+00	0.00E+00	9.65E-10
12391	500861.9	3734239	2.081E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.13E-10	6.68E-10	0.00E+00	0.00E+00	9.82E-10
12392	500853	3734242	2.117E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	3.90E-09	0.00E+00	0.00E+00	6.02E-09	3.19E-10	6.80E-10	0.00E+00	0.00E+00	9.99E-10
12393	500844.1	3734246	2.154E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	3.97E-09	0.00E+00	0.00E+00	6.12E-09	3.24E-10	6.92E-10	0.00E+00	0.00E+00	1.02E-09
12394	500835.1	3734250	2.191E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.04E-09	0.00E+00	0.00E+00	6.23E-09	3.30E-10	7.03E-10	0.00E+00	0.00E+00	1.03E-09
12395	500826.2	3734253	2.226E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	4.10E-09	0.00E+00	0.00E+00	6.33E-09	3.35E-10	7.15E-10	0.00E+00	0.00E+00	1.05E-09
12396	500817.3	3734257	2.262E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.17E-09	0.00E+00	0.00E+00	6.43E-09	3.41E-10	7.26E-10	0.00E+00	0.00E+00	1.07E-09
12397	500808.3	3734261	2.298E-09	4.24E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.53E-09	3.46E-10	7.38E-10	0.00E+00	0.00E+00	1.08E-09
12398	500799.4	3734264	2.335E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.30E-09	0.00E+00	0.00E+00	6.64E-09	3.52E-10	7.50E-10	0.00E+00	0.00E+00	1.10E-09
12399	500790.5	3734268	2.375E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	3.58E-10	7.63E-10	0.00E+00	0.00E+00	1.12E-09
12400	500781.5	3734272	2.416E-09	4.45E-09	0.00E+00	0.00E+00	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	4.45E-09	0.00E+00	0.00E+00	6.87E-09	3.64E-10	7.76E-10	0.00E+00	0.00E+00	1.14E-09
12401	500772.6	3734276	2.456E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.53E-09	0.00E+00	0.00E+00	6.98E-09	3.70E-10	7.89E-10	0.00E+00	0.00E+00	1.16E-09
12402	500763.7	3734279	2.495E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.09E-09	3.76E-10	8.01E-10	0.00E+00	0.00E+00	1.18E-09
12403	500754.7	3734283	2.535E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.67E-09	0.00E+00	0.00E+00	7.21E-09	3.82E-10	8.14E-10	0.00E+00	0.00E+00	1.20E-09
12404	500745.8	3734287	2.577E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.75E-09	0.00E+00	0.00E+00	7.33E-09	3.88E-10	8.27E-10	0.00E+00	0.00E+00	1.22E-09
12405	500736.9	3734290	2.618E-09	4.83E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	4.83E-09	0.00E+00	0.00E+00	7.44E-09	3.94E-10	8.41E-10	0.00E+00	0.00E+00	1.23E-09
12406	500727.9	3734294	2.659E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	4.00E-10	8.54E-10	0.00E+00	0.00E+00	1.25E-09
12407	500719	3734298	2.7E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
12408	500710.1	3734301	2.741E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.13E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09
12409	500701.1	3734305	2.782E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	4.19E-10	8.94E-10	0.00E+00	0.00E+00	1.31E-09
12410	500692.2	3734309	2.824E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.20E-09	0.00E+00	0.00E+00	8.03E-09	4.25E-10	9.07E-10	0.00E+00	0.00E+00	1.33E-09
12411	500683.3	3734312	2.866E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	5.28E-09	0.00E+00	0.00E+00	8.15E-09	4.31E-10	9.20E-10	0.00E+00	0.00E+00	1.35E-09
12412	500674.4	3734316	2.908E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.36E-09	0.00E+00	0.00E+00	8.27E-09	4.38E-10	9.34E-10	0.00E+00	0.00E+00	1.37E-09
12413	500665.4	3734320	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	5.44E-09	0.00E+00	0.00E+00	8.39E-09	4.44E-10	9.47E-10	0.00E+00	0.00E+00	1.39E-09
12414	500656.5	3734323	2.992E-09	5.51E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.51E-09	0.00E+00	0.00E+00	8.51E-09	4.50E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
12415	500647.6	3734327	3.034E-09	5.59E-09	0.00E+00	0.00E+00	8.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	5.59E-09	0.00E+00	0.00E+00	8.63E-09	4.57E-10	9.74E-10	0.00E+00	0.00E+00	1.43E-09
12416	500638.6	3734331	3.076E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
12417	500629.7	3734334	3.118E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	5.75E-09	0.00E+00	0.00E+00	8.87E-09	4.69E-10	1.00E-09	0.00E+00	0.00E+00	1.47E-09
12418	500620.8	3734338	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	5.83E-09	0.00E+00	0.00E+00	8.99E-09	4.76E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
12419	500611.8	3734342	3.203E-09	5.90E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.90E-09	0.00E+00	0.00E+00	9.11E-09	4.82E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
12420	500585	3734353	3.329E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
12421	500576.1	3734357	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.21E-09	0.00E+00	0.00E+00	9.58E-09	5.07E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
12422	500567.2	3734360	3.411E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.70E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
12423	500558.2	3734364	3.452E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.36E-09	0.00E+00	0.00E+00	9.81E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
12424	500549.3	3734368	3.492E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
12425	500540.4	3734371	3.532E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
12426	500531.4	3734375	3.571E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.58E-09	0.00E+00	0.00E+00	1.02E-08	5.38E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
12427	500522.5	3734379	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
12428	500513.6	3734382	3.649E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
12429	500504.6	3734386	3.687E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.80E-09	0.00E+00	0.00E+00	1.05E-08	5.55E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
12430	500495.7	3734390	3.725E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.87E-09	0.00E+00	0.00E+00	1.06E-08	5.61E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
12431	500486.8	3734393	3.762E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
12432	500477.8	3734397	3.799E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	7.00E-09	0.00E+00	0.00E+00	1.08E-08	5.72E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
12433	500468.9	3734401	3.835E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	5.77E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
12434	500460	3734404	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.83E-10	1.24E-09	0.00E+00	0.00E+00	1.83E-09
12435	500451	3734408	3.905E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
12436	500442.1	3734412	3.939E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
12437	500433.2	3734415	3.974E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	7.32E-09	0.00E+00	0.00E+00	1.13E-08	5.98E-10	1.28E-09	0.00E+00	0.00E+00	1.87E-09
12438	500424.2	3734419	4.008E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.03E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
12439	500415.3	3734423	4.041E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.08E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
12440	500406.4	3734426	4.085E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	7.53E-09	0.00E+00	0.00E+00	1.16E-08	6.15E-10	1.31E-09	0.00E+00	0.00E+00	1.93E-09
12441	501165.4	3733544	1.108E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
12442	501165.4	3733496	1.106E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.55E-10	0.00E+00	0.00E+00	5.21E-10
12443	501165.4	3733486	1.106E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.55E-10	0.00E+00	0.00E+00	5.22E-10
12444	501165.4	3733476	1.106E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.55E-10	0.00E+00	0.00E+00	5.22E-10
12445	501165.4	3733467	1.106E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.55E-10	0.00E+00	0.00E+00	5.22E-10
12446	501165.4	3733457	1.107E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.55E-10	0.00E+00	0.00E+00	5.22E-10
12447	501165.5	3733447	1.107E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.22E-10
12448	501165.5	3733437	1.108E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
12449	501165.5	3733428	1.109E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
12450	501165.5	3733418	1.111E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.67E-10	3.57E-10	0.00E+00	0.00E+00	5.24E-10
12451	501165.5	3733408	1.112E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.67E-10	3.57E-10	0.00E+00	0.00E+00	5.25E-10
12452	501165.5	3733399	1.114E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.25E-10
12453	501165.5	3733389	1.115E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.26E-10
12454	501165.5	3733379	1.118E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.27E-10
12455	501165.5	3733369	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.28E-10
12456	501165.5	3733360	1.122E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.29E-10
12457	501165.6	3733340	1.128E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
12458	501165.6	3733330	1.131E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
12459	501165.6	3733321	1.134E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
12460	501165.6	3733311	1.137E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
12461	501165.6	3733301	1.141E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	1.72E-10	3.66E-10	0.00E+00	0.00E+00	5.38E-10
12462	501165.6	3733282	1.148E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.42E-10
12463	501165.6	3733272	1.153E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	1.74E-10	3.70E-10	0.00E+00	0.00E+00	5.44E-10
12464	501165.6	3733262	1.159E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	1.75E-10	3.72E-10	0.00E+00	0.00E+00	5.47E-10
12465	501165.7	3733253	1.165E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.50E-10
12466	501165.7	3733243	1.171E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.76E-10	3.76E-10	0.00E+00	0.00E+00	5.52E-10
12467	501165.7	3733214	1.186E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.59E-10
12468	501165.7	3733204	1.191E-09	2.19E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.39E-09	1.79E-10	3.82E-10	0.00E+00	0.00E+00	5.62E-10
12469	501197.4	3733553	1.052E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.38E-10	0.00E+00	0.00E+00	4.96E-10
12470	501193.7	3733562	1.059E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.59E-10	3.40E-10	0.00E+00	0.00E+00	4.99E-10
12471	501190	3733571	1.066E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.03E-10
12472	501186.3	3733580	1.073E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.06E-10
12473	501182.6	3733589	1.081E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
12474	501178.9	3733598	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.14E-10
12475	501175.2	3733607	1.098E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.53E-10	0.00E+00	0.00E+00	5.18E-10
12476	501171.5	3733616	1.107E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.22E-10

12477	501167.8	3733625	1.116E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.17E-09	1.68E-10	3.58E-10	0.00E+00	0.00E+00	5.26E-10
12478	501164.1	3733633	1.125E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.31E-10
12479	501160.4	3733642	1.133E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.34E-10
12480	501156.7	3733651	1.141E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.24E-09	1.72E-10	3.66E-10	0.00E+00	0.00E+00	5.38E-10
12481	501153	3733660	1.149E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.69E-10	0.00E+00	0.00E+00	5.42E-10
12482	501149.3	3733669	1.158E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.13E-09	0.00E+00	0.00E+00	3.29E-09	1.74E-10	3.72E-10	0.00E+00	0.00E+00	5.46E-10
12483	501145.6	3733678	1.167E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	1.76E-10	3.75E-10	0.00E+00	0.00E+00	5.51E-10
12484	501141.9	3733687	1.177E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.55E-10
12485	501138.2	3733696	1.187E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.38E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
12486	501134.5	3733705	1.197E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.85E-10	0.00E+00	0.00E+00	5.65E-10
12487	501130.8	3733714	1.208E-09	2.23E-09	0.00E+00	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.43E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.70E-10
12488	501127.1	3733722	1.217E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.91E-10	0.00E+00	0.00E+00	5.74E-10
12489	501123.4	3733731	1.227E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.79E-10
12490	501108.6	3733767	1.268E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.98E-10
12491	501104.8	3733776	1.278E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.03E-10
12492	501101.1	3733785	1.289E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
12493	501097.4	3733794	1.3E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
12494	501093.7	3733803	1.311E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.97E-10	4.21E-10	0.00E+00	0.00E+00	6.18E-10
12495	501090	3733812	1.321E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.23E-10
12496	501086.3	3733820	1.332E-09	2.45E-09	0.00E+00	0.00E+00	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.79E-09	2.01E-10	4.28E-10	0.00E+00	0.00E+00	6.28E-10
12497	501082.6	3733829	1.342E-09	2.47E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.82E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.33E-10
12498	501027.1	3733963	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.85E-10	0.00E+00	0.00E+00	7.12E-10
12499	501023.4	3733972	1.523E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
12500	501019.7	3733981	1.535E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.83E-09	0.00E+00	0.00E+00	4.37E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.24E-10
12501	500993.8	3734043	1.619E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	2.98E-09	0.00E+00	0.00E+00	4.60E-09	2.44E-10	5.20E-10	0.00E+00	0.00E+00	7.64E-10
12502	500990.1	3734052	1.632E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.64E-09	2.46E-10	5.24E-10	0.00E+00	0.00E+00	7.70E-10
12503	500986.4	3734061	1.645E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.03E-09	0.00E+00	0.00E+00	4.68E-09	2.48E-10	5.28E-10	0.00E+00	0.00E+00	7.76E-10
12504	500982.7	3734070	1.659E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.82E-10
12505	500979	3734079	1.672E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.75E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.88E-10
12506	500975.3	3734087	1.684E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.94E-10
12507	500971.6	3734096	1.696E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
12508	500967.9	3734105	1.709E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
12509	500964.2	3734114	1.721E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
12510	500960.5	3734123	1.733E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.57E-10	0.00E+00	0.00E+00	8.17E-10
12511	500956.8	3734132	1.745E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.96E-09	2.63E-10	5.60E-10	0.00E+00	0.00E+00	8.23E-10
12512	500953.1	3734141	1.758E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.29E-10
12513	500938.3	3734177	1.808E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	3.33E-09	0.00E+00	0.00E+00	5.14E-09	2.72E-10	5.81E-10	0.00E+00	0.00E+00	8.53E-10
12514	500934.6	3734185	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.36E-09	0.00E+00	0.00E+00	5.18E-09	2.74E-10	5.85E-10	0.00E+00	0.00E+00	8.59E-10
12515	500930.9	3734194	1.833E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.38E-09	0.00E+00	0.00E+00	5.21E-09	2.76E-10	5.89E-10	0.00E+00	0.00E+00	8.64E-10
12516	500927.2	3734203	1.845E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	3.40E-09	0.00E+00	0.00E+00	5.24E-09	2.78E-10	5.92E-10	0.00E+00	0.00E+00	8.70E-10
12517	500923.5	3734212	1.857E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.28E-09	2.80E-10	5.96E-10	0.00E+00	0.00E+00	8.76E-10
12518	500919.8	3734221	1.869E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.44E-09	0.00E+00	0.00E+00	5.31E-09	2.81E-10	6.00E-10	0.00E+00	0.00E+00	8.82E-10
12519	500916.1	3734230	1.881E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.83E-10	6.04E-10	0.00E+00	0.00E+00	8.87E-10
12520	500912.4	3734239	1.893E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	3.49E-09	0.00E+00	0.00E+00	5.38E-09	2.85E-10	6.08E-10	0.00E+00	0.00E+00	8.93E-10
12521	500908.7	3734248	1.904E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.51E-09	0.00E+00	0.00E+00	5.41E-09	2.87E-10	6.12E-10	0.00E+00	0.00E+00	8.98E-10
12522	500896.1	3734260	1.947E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.59E-09	0.00E+00	0.00E+00	5.54E-09	2.93E-10	6.25E-10	0.00E+00	0.00E+00	9.18E-10
12523	500887.2	3734264	1.979E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.65E-09	0.00E+00	0.00E+00	5.63E-09	2.98E-10	6.35E-10	0.00E+00	0.00E+00	9.33E-10
12524	500878.3	3734268	2.011E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.49E-10
12525	500869.4	3734271	2.043E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.77E-09	0.00E+00	0.00E+00	5.81E-09	3.08E-10	6.56E-10	0.00E+00	0.00E+00	9.64E-10
12526	500860.4	3734275	2.077E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.83E-09	0.00E+00	0.00E+00	5.90E-09	3.13E-10	6.67E-10	0.00E+00	0.00E+00	9.80E-10
12527	500851.5	3734279	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.89E-09	0.00E+00	0.00E+00	6.00E-09	3.18E-10	6.78E-10	0.00E+00	0.00E+00	9.95E-10
12528	500842.6	3734282	2.144E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
12529	500833.7	3734286	2.179E-09	4.02E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.02E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	7.00E-10	0.00E+00	0.00E+00	1.03E-09
12530	500824.8	3734290	2.213E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.08E-09	0.00E+00	0.00E+00	6.29E-09	3.33E-10	7.11E-10	0.00E+00	0.00E+00	1.04E-09
12531	500815.9	3734293	2.249E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.39E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
12532	500807	3734297	2.285E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.21E-09	0.00E+00	0.00E+00	6.50E-09	3.44E-10	7.34E-10	0.00E+00	0.00E+00	1.08E-09
12533	500798.1	3734301	2.321E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.60E-09	3.49E-10	7.45E-10	0.00E+00	0.00E+00	1.09E-09
12534	500789.1	3734304	2.357E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.34E-09	0.00E+00	0.00E+00	6.70E-09	3.55E-10	7.57E-10	0.00E+00	0.00E+00	1.11E-09
12535	500780.2	3734308	2.394E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.81E-09	3.60E-10	7.69E-10	0.00E+00	0.00E+00	1.13E-09
12536	500771.3	3734312	2.431E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
12537	500762.4	3734315	2.471E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.02E-09	3.72E-10	7.93E-10	0.00E+00	0.00E+00	1.17E-09
12538	500753.5	3734319	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	4.63E-09	0.00E+00	0.00E+00	7.14E-09	3.78E-10	8.06E-10	0.00E+00	0.00E+00	1.18E-09
12539	500744.6	3734323	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	3.84E-10	8.19E-10	0.00E+00	0.00E+00	1.20E-09
12540	500735.7	3734326	2.589E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.77E-09	0.00E+00	0.00E+00	7.36E-09	3.90E-10	8.32E-10	0.00E+00	0.00E+00	1.22E-09
12541	500726.7	3734330	2.628E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	3.96E-10	8.44E-10	0.00E+00	0.00E+00	1.24E-09
12542	500717.8	3734334	2.666E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	4.01E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
12543	500708.9	3734337	2.705E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.69E-10	0.00E+00	0.00E+00	1.28E-09
12544	500700	3734341	2.744E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.06E-09	0.00E+00	0.00E+00	7.80E-09	4.13E-10	8.81E-10	0.00E+00	0.00E+00	1.29E-09
12545	500691.1	3734345	2.783E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.13E-09	0.00E+00	0.00E+00	7.91E-09	4.19E-10	8.94E-10	0.00E+00	0.00E+00	1.31E-09
12546	500628.7	3734371	3.057E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	5.63E-09	0.00E+00	0.00E+00	8.69E-09	4.60E-10	9.82E-10	0.00E+00	0.00E+00	1.44E-09
12547	500584.1	3734389	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	5.99E-09	0.00E+00	0.00E+00	9.24E-09	4.89E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
12548	500575.2	3734393	3.288E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.06E-09	0.00E+00	0.00E+00	9.35E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
12549	500566.3	3734396	3.326E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
12550	500557.4	3734400	3.363E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	6.20E-09	0.00E+00	0.00E+00	9.56E-09	5.06E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
12551	500548.5	3734404	3.4E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.27E-09	0.00E+00	0.00E+00	9.67E-09	5.12E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
12552	500539.6	3734407	3.436E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
12553	500530.6	3734411	3.472E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
12554	500521.7	3734415	3.508E-09	6.47E-09	0.00E+00	0.00E+00	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.97E-09	5.28E-10	1.13E-09	0.00E+00	0.00E+00	1.65E-09
12555	500512.8	3734418	3.543E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	6.53E-09	0.00E+00	0.00E+00	1.01E-08	5.33E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
12556	500503.9	3734422	3.577E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.59E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
12557	500495	3734426	3.612E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
12558	500486.1	3734429	3.645E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
12559	500477.2	3734433	3.678E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
12560	500468.3	3734437	3.711E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.84E-09	0.00E+00	0.00E+00	1.06E-08	5.59E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
12561	500459.3	3734440	3.743E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
12562	500450.4	3734444	3.775E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.96E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
12563	500441.5	3734448	3.806E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
12564	500432.6	3734451	3.837E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	5.78E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
12565	500423.7	3734455	3.868E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
12566	500414.8	3734459	3.898E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
12567	500405.9	3734462	3.938E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.26E-09	0.00E+00	0.00E+00	1.86E-09
12568	501201.1	3733515	1.043E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
12569	501201.1	3733506	1.043E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
12570	501201.1	3733496	1.044E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.93E-10
12571	501201.1	3733486	1.045E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.36E-10	0.00E+00	0.00E+00	4.93E-10
12572	501201.1	3733476	1.046E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.36E-10	0.00E+00	0.00E+00	4.93E-10
12573	501201.1	3733467	1.046E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.36E-10	0.00E+00	0.00E+00	4.93E-10
12574	501201.2	3733457	1.046E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.58E-10	3.36E-10	0.00E+00	0.00E+00	4.94E-10
12575	501201.2	3733447	1.048E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.36E-10	0.00E+00	0.00E+00	4.94E-10
12576	501201.2	3733437	1.049E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.95E-10
12577	501201.2	3733428	1.051E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.96E-10
12578	501201.2	3733418	1.052E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.38E-10	0.00E+00	0.00E+00	4.96E-10
12579	501201.2	3733408	1.053E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.59E-10	3.38E-10	0.00E+00	0.00E+00	4.97E-10
12580	501201.2	3733399	1.055E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.39E-10	0.00E+00	0.00E+00	4.98E-10
12581	501201.2	3733389	1.057E-09	1.95E-09	0.00E+00	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.00E-09	1.59E-10	3.39E-10	0.00E+00	0.00E+00	4.98E-10
12582	501201.2	3733379	1.059E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.59E-10	3.40E-10	0.00E+00	0.00E+00	4.99E-10
12583	501201.2	3733369	1.061E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	1.60E-10	3.41E-10	0.00E+00	0.00E+00	5.00E-10
12584	501201.3	3733360	1.063E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.96E-09	0.00E+00	0.00E+00	3.02E-09	1.60E-10	3.41E-10	0.00E+00	0.00E+00	5.01E-10
12585	501201.3	3733340	1.068E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.04E-10
12586	501201.3	3733331	1.071E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.44E-10	0.00E+00	0.00E+00	5.05E-10
12587	501201.3	3733321	1.074E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
12588	501201.3	3733311	1.077E-09	1.99E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
12589	501201.3	3733301	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
12590	501201.3	3733292	1.084E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
12591	501201.3	3733282	1.088E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.00E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.49E-10	0.00E+00	0.00E+00	5.13E-10
12592	501201.3	3733272	1.091E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.15E-10
12593	501201.4	3733262	1.095E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.17E-10
12594	501201.4	3733253	1.099E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.53E-10	0.00E+00	0.00E+00	5.19E-10
12595	501201.4	3733243	1.104E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.54E-10	0.00E+00	0.00E+00	5.21E-10
12596	501201.4	3733233	1.108E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
12597	501201.4	3733224	1.113E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.68E-10	3.57E-10	0.00E+00	0.00E+00	5.25E-10
12598	501225.7	3733571	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.76E-10
12599	501222	3733580	1.017E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.80E-10
12600	501218.3	3733589	1.024E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.83E-10
12601	501214.6	3733598	1.031E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.93E-09	1.55E-10	3.31E-10	0.00E+00	0.00E+00	4.86E-10
12602	501210.9	3733607	1.038E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.95E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.90E-10
12603	501207.2	3733616	1.045E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.36E-10	0.00E+00	0.00E+00	4.93E-10
12604	501203.5	3733624	1.053E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.38E-10	0.00E+00	0.00E+00	4.97E-10
12605	501199.8	3733633	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.60E-10	3.41E-10	0.00E+00	0.00E+00	5.00E-10
12606	501196.2	3733642	1.068E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.04E-10

12607	501192.5	3733651	1.076E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
12608	501188.8	3733660	1.084E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.12E-10
12609	501185.1	3733669	1.093E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.51E-10	0.00E+00	0.00E+00	5.15E-10
12610	501181.4	3733678	1.101E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.54E-10	0.00E+00	0.00E+00	5.19E-10
12611	501177.7	3733687	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
12612	501174	3733696	1.118E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.27E-10
12613	501170.3	3733704	1.127E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.20E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
12614	501166.6	3733713	1.136E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.09E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
12615	501162.9	3733722	1.145E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.68E-10	0.00E+00	0.00E+00	5.40E-10
12616	501159.2	3733731	1.154E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	1.74E-10	3.71E-10	0.00E+00	0.00E+00	5.44E-10
12617	501155.5	3733740	1.164E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.15E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.49E-10
12618	501144.4	3733767	1.193E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.80E-10	3.83E-10	0.00E+00	0.00E+00	5.63E-10
12619	501140.8	3733775	1.202E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.67E-10
12620	501137.1	3733784	1.211E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.89E-10	0.00E+00	0.00E+00	5.71E-10
12621	501133.4	3733793	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.76E-10
12622	501129.7	3733802	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.80E-10
12623	501126	3733811	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
12624	501122.3	3733820	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.56E-09	1.88E-10	4.02E-10	0.00E+00	0.00E+00	5.90E-10
12625	501118.6	3733829	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.05E-10	0.00E+00	0.00E+00	5.95E-10
12626	501114.9	3733838	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.61E-09	1.91E-10	4.08E-10	0.00E+00	0.00E+00	5.99E-10
12627	501111.2	3733847	1.279E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.36E-09	0.00E+00	0.00E+00	3.64E-09	1.93E-10	4.11E-10	0.00E+00	0.00E+00	6.03E-10
12628	501107.5	3733855	1.289E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.67E-09	1.94E-10	4.14E-10	0.00E+00	0.00E+00	6.08E-10
12629	501103.8	3733864	1.3E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.17E-10	0.00E+00	0.00E+00	6.13E-10
12630	501100.1	3733873	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.72E-09	1.97E-10	4.21E-10	0.00E+00	0.00E+00	6.18E-10
12631	501096.4	3733882	1.321E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.43E-09	0.00E+00	0.00E+00	3.75E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.23E-10
12632	501092.7	3733891	1.331E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.28E-10
12633	501089	3733900	1.341E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.33E-10
12634	501085.4	3733909	1.351E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.03E-10	4.34E-10	0.00E+00	0.00E+00	6.37E-10
12635	501081.7	3733918	1.361E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
12636	501063.2	3733962	1.414E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.61E-09	0.00E+00	0.00E+00	4.02E-09	2.13E-10	4.54E-10	0.00E+00	0.00E+00	6.67E-10
12637	501059.5	3733971	1.425E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	2.14E-10	4.58E-10	0.00E+00	0.00E+00	6.72E-10
12638	501055.8	3733980	1.435E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.77E-10
12639	501052.1	3733989	1.446E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.64E-10	0.00E+00	0.00E+00	6.82E-10
12640	501048.4	3733998	1.457E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	2.19E-10	4.68E-10	0.00E+00	0.00E+00	6.87E-10
12641	501044.7	3734006	1.468E-09	2.71E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.92E-10
12642	501041	3734015	1.479E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.73E-09	0.00E+00	0.00E+00	4.20E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.98E-10
12643	501037.3	3734024	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.24E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.03E-10
12644	501033.6	3734033	1.501E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.82E-10	0.00E+00	0.00E+00	7.08E-10
12645	501030	3734042	1.512E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.13E-10
12646	501026.3	3734051	1.523E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
12647	501022.6	3734060	1.534E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.83E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.93E-10	0.00E+00	0.00E+00	7.24E-10
12648	501018.9	3734069	1.546E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.85E-09	0.00E+00	0.00E+00	4.39E-09	2.33E-10	4.96E-10	0.00E+00	0.00E+00	7.29E-10
12649	500993	3734131	1.628E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	2.45E-10	5.23E-10	0.00E+00	0.00E+00	7.68E-10
12650	500989.3	3734140	1.638E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.26E-10	0.00E+00	0.00E+00	7.73E-10
12651	500974.5	3734175	1.684E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.10E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
12652	500970.9	3734184	1.697E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
12653	500967.2	3734193	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.49E-10	0.00E+00	0.00E+00	8.06E-10
12654	500963.5	3734202	1.722E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.90E-09	2.59E-10	5.53E-10	0.00E+00	0.00E+00	8.12E-10
12655	500959.8	3734211	1.734E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.20E-09	0.00E+00	0.00E+00	4.93E-09	2.61E-10	5.57E-10	0.00E+00	0.00E+00	8.18E-10
12656	500956.1	3734220	1.747E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	3.22E-09	0.00E+00	0.00E+00	4.97E-09	2.63E-10	5.61E-10	0.00E+00	0.00E+00	8.24E-10
12657	500952.4	3734229	1.759E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	3.24E-09	0.00E+00	0.00E+00	5.00E-09	2.65E-10	5.65E-10	0.00E+00	0.00E+00	8.30E-10
12658	500948.7	3734237	1.771E-09	3.26E-09	0.00E+00	0.00E+00	5.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.04E-09	2.67E-10	5.69E-10	0.00E+00	0.00E+00	8.35E-10
12659	500945	3734246	1.782E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	3.28E-09	0.00E+00	0.00E+00	5.07E-09	2.68E-10	5.72E-10	0.00E+00	0.00E+00	8.41E-10
12660	500941.3	3734255	1.793E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.31E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.46E-10
12661	500937.6	3734264	1.804E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.33E-09	0.00E+00	0.00E+00	5.13E-09	2.72E-10	5.79E-10	0.00E+00	0.00E+00	8.51E-10
12662	500933.9	3734273	1.815E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.16E-09	2.73E-10	5.83E-10	0.00E+00	0.00E+00	8.56E-10
12663	500921.3	3734286	1.855E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.96E-10	0.00E+00	0.00E+00	8.75E-10
12664	500912.4	3734289	1.884E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.36E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.89E-10
12665	500903.5	3734293	1.914E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.53E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.15E-10	0.00E+00	0.00E+00	9.03E-10
12666	500894.6	3734297	1.944E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.53E-09	2.93E-10	6.24E-10	0.00E+00	0.00E+00	9.17E-10
12667	500885.7	3734300	1.975E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.64E-09	0.00E+00	0.00E+00	5.62E-09	2.97E-10	6.34E-10	0.00E+00	0.00E+00	9.32E-10
12668	500876.9	3734304	2.006E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.70E-09	0.00E+00	0.00E+00	5.70E-09	3.02E-10	6.44E-10	0.00E+00	0.00E+00	9.46E-10
12669	500868	3734308	2.038E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.79E-09	3.07E-10	6.54E-10	0.00E+00	0.00E+00	9.61E-10
12670	500859.1	3734311	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.12E-10	6.65E-10	0.00E+00	0.00E+00	9.76E-10
12671	500850.2	3734315	2.102E-09	3.87E-09	0.00E+00	0.00E+00	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.98E-09	3.16E-10	6.75E-10	0.00E+00	0.00E+00	9.91E-10
12672	500841.3	3734319	2.135E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.93E-09	0.00E+00	0.00E+00	6.07E-09	3.21E-10	6.86E-10	0.00E+00	0.00E+00	1.01E-09
12673	500832.4	3734322	2.168E-09	4.00E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	4.00E-09	0.00E+00	0.00E+00	6.16E-09	3.26E-10	6.96E-10	0.00E+00	0.00E+00	1.02E-09
12674	500823.5	3734326	2.201E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	4.06E-09	0.00E+00	0.00E+00	6.26E-09	3.31E-10	7.07E-10	0.00E+00	0.00E+00	1.04E-09
12675	500814.6	3734330	2.235E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.12E-09	0.00E+00	0.00E+00	6.35E-09	3.37E-10	7.18E-10	0.00E+00	0.00E+00	1.05E-09
12676	500805.7	3734333	2.269E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
12677	500796.8	3734337	2.304E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.25E-09	0.00E+00	0.00E+00	6.55E-09	3.47E-10	7.40E-10	0.00E+00	0.00E+00	1.09E-09
12678	500787.9	3734341	2.338E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	3.52E-10	7.51E-10	0.00E+00	0.00E+00	1.10E-09
12679	500779	3734344	2.374E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.38E-09	0.00E+00	0.00E+00	6.75E-09	3.57E-10	7.62E-10	0.00E+00	0.00E+00	1.12E-09
12680	500716.7	3734370	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.85E-09	0.00E+00	0.00E+00	7.48E-09	3.96E-10	8.45E-10	0.00E+00	0.00E+00	1.24E-09
12681	500707.8	3734374	2.666E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.91E-09	0.00E+00	0.00E+00	7.58E-09	4.01E-10	8.56E-10	0.00E+00	0.00E+00	1.26E-09
12682	500698.9	3734377	2.703E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.68E-09	4.07E-10	8.68E-10	0.00E+00	0.00E+00	1.27E-09
12683	500690	3734381	2.739E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.12E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09
12684	500681.1	3734385	2.776E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	5.12E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.91E-10	0.00E+00	0.00E+00	1.31E-09
12685	500672.2	3734388	2.812E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	8.00E-09	4.23E-10	9.03E-10	0.00E+00	0.00E+00	1.33E-09
12686	500663.3	3734392	2.849E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
12687	500654.5	3734396	2.885E-09	5.32E-09	0.00E+00	0.00E+00	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	5.32E-09	0.00E+00	0.00E+00	8.20E-09	4.34E-10	9.27E-10	0.00E+00	0.00E+00	1.36E-09
12688	500645.6	3734399	2.921E-09	5.38E-09	0.00E+00	0.00E+00	8.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	5.38E-09	0.00E+00	0.00E+00	8.31E-09	4.40E-10	9.38E-10	0.00E+00	0.00E+00	1.38E-09
12689	500636.7	3734403	2.958E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	5.45E-09	0.00E+00	0.00E+00	8.41E-09	4.45E-10	9.50E-10	0.00E+00	0.00E+00	1.40E-09
12690	500627.8	3734407	2.994E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	5.52E-09	0.00E+00	0.00E+00	8.51E-09	4.51E-10	9.61E-10	0.00E+00	0.00E+00	1.41E-09
12691	500592.2	3734421	3.136E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.78E-09	0.00E+00	0.00E+00	8.92E-09	4.72E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
12692	500583.3	3734425	3.171E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.77E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
12693	500574.4	3734429	3.206E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
12694	500565.5	3734432	3.241E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.97E-09	0.00E+00	0.00E+00	9.21E-09	4.88E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
12695	500556.6	3734436	3.275E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.04E-09	0.00E+00	0.00E+00	9.31E-09	4.93E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
12696	500547.7	3734440	3.309E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.41E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
12697	500538.8	3734443	3.342E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	6.16E-09	0.00E+00	0.00E+00	9.50E-09	5.03E-10	1.07E-09	0.00E+00	0.00E+00	1.58E-09
12698	500529.9	3734447	3.375E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
12699	500521	3734451	3.407E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.28E-09	0.00E+00	0.00E+00	9.69E-09	5.13E-10	1.09E-09	0.00E+00	0.00E+00	1.61E-09
12700	500512.1	3734454	3.439E-09	6.34E-09	0.00E+00	0.00E+00	9.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	6.34E-09	0.00E+00	0.00E+00	9.78E-09	5.18E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
12701	500503.2	3734458	3.471E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.87E-09	5.23E-10	1.11E-09	0.00E+00	0.00E+00	1.64E-09
12702	500494.3	3734462	3.502E-09	6.45E-09	0.00E+00	0.00E+00	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.45E-09	0.00E+00	0.00E+00	9.96E-09	5.27E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
12703	500485.4	3734465	3.532E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
12704	500476.5	3734469	3.562E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.36E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
12705	500467.6	3734473	3.592E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	6.62E-09	0.00E+00	0.00E+00	1.02E-08	5.41E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
12706	500458.7	3734476	3.622E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.68E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
12707	500449.8	3734480	3.651E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.73E-09	0.00E+00	0.00E+00	1.04E-08	5.50E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
12708	500441	3734484	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
12709	500432.1	3734487	3.717E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.85E-09	0.00E+00	0.00E+00	1.06E-08	5.60E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
12710	500245.2	3734564	4.196E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	7.73E-09	0.00E+00	0.00E+00	1.19E-08	6.32E-10	1.35E-09	0.00E+00	0.00E+00	1.98E-09
12711	500236.3	3734568	4.213E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	7.77E-09	0.00E+00	0.00E+00	1.20E-08	6.34E-10	1.35E-09	0.00E+00	0.00E+00	1.99E-09
12712	500227.4	3734572	4.229E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	7.79E-09	0.00E+00	0.00E+00	1.20E-08	6.37E-10	1.36E-09	0.00E+00	0.00E+00	1.99E-09
12713	500218.6	3734575	4.245E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-09	7.82E-09	0.00E+00	0.00E+00	1.21E-08	6.39E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
12714	501236.8	3733525	9.896E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
12715	501236.8	3733515	9.891E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
12716	501236.8	3733506	9.888E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.66E-10
12717	501236.8	3733496	9.886E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.66E-10
12718	501236.8	3733486	9.886E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.66E-10
12719	501236.9	3733476	9.888E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.66E-10
12720	501236.9	3733467	9.892E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
12721	501236.9	3733457	9.896E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
12722	501236.9	3733447	9.909E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
12723	501236.9	3733438	9.924E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.19E-10	0.00E+00	0.00E+00	4.68E-10
12724	501236.9	3733428	9.942E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
12725	501236.9	3733418	9.962E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
12726	501236.9	3733408	9.984E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
12727	501236.9	3733399	1.001E-09	1.84E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.84E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.21E-10	0.00E+00	0.00E+00	4.72E-10
12728	501236.9	3733389	1.003E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.85E-09	1.51E-10	3.22E-10	0.00E+00	0.00E+00	4.73E-10
12729	501237	3733379	1.005E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
12730	501237	3733369	1.007E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.86E-09	1.52E-10	3.23E-10	0.00E+00	0.00E+00	4.75E-10
12731	501237	3733360	1.009E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.87E-09	1.52E-10	3.24E-10	0.00E+00	0.00E+00	4.76E-10
12732	501237	3733340	1.014E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.78E-10
12733	501237	3733331	1.016E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.87E-09	0.00E+00	0.00E+00	2.89E-09	1.53E-10	3.26E-10	0.00E+00	0.00E+00	4.79E-10
12734	501237	3733321	1.019E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.81E-10
12735	501237	3733311	1.022E-09	1.88E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.28E-10	0.00E+00	0.00E+00	4.82E-10
12736	501237	3733301	1.025E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.91E-09	1.54E-10	3.29E-10	0.00E+00	0.00E+00	4.84E-10

12737	501253.8	3733589	9.713E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.58E-10
12738	501250.1	3733598	9.781E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-10	1.80E-09	0.00E+00	0.00E+00	2.78E-09	1.47E-10	3.14E-10	0.00E+00	0.00E+00	4.61E-10
12739	501246.4	3733607	9.848E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-10	1.82E-09	0.00E+00	0.00E+00	2.80E-09	1.48E-10	3.16E-10	0.00E+00	0.00E+00	4.65E-10
12740	501242.7	3733616	9.916E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.68E-10
12741	501238.9	3733625	9.986E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-10	1.84E-09	0.00E+00	0.00E+00	2.84E-09	1.50E-10	3.21E-10	0.00E+00	0.00E+00	4.71E-10
12742	501235.2	3733634	1.006E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
12743	501231.5	3733643	1.013E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.87E-09	0.00E+00	0.00E+00	2.88E-09	1.53E-10	3.25E-10	0.00E+00	0.00E+00	4.78E-10
12744	501227.7	3733652	1.021E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.54E-10	3.28E-10	0.00E+00	0.00E+00	4.81E-10
12745	501224	3733661	1.028E-09	1.90E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.90E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.85E-10
12746	501220.3	3733670	1.036E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.33E-10	0.00E+00	0.00E+00	4.89E-10
12747	501216.5	3733679	1.044E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
12748	501212.8	3733688	1.052E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.94E-09	0.00E+00	0.00E+00	2.99E-09	1.58E-10	3.38E-10	0.00E+00	0.00E+00	4.96E-10
12749	501209.1	3733697	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.60E-10	3.40E-10	0.00E+00	0.00E+00	5.00E-10
12750	501205.4	3733706	1.068E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.04E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.04E-10
12751	501201.6	3733715	1.076E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.46E-10	0.00E+00	0.00E+00	5.08E-10
12752	501197.9	3733724	1.085E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.12E-10
12753	501194.2	3733733	1.093E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.11E-09	1.65E-10	3.51E-10	0.00E+00	0.00E+00	5.16E-10
12754	501179.2	3733769	1.128E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.62E-10	0.00E+00	0.00E+00	5.32E-10
12755	501175.5	3733778	1.137E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
12756	501171.8	3733787	1.146E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.11E-09	0.00E+00	0.00E+00	3.26E-09	1.72E-10	3.68E-10	0.00E+00	0.00E+00	5.40E-10
12757	501168.1	3733796	1.155E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.13E-09	0.00E+00	0.00E+00	3.28E-09	1.74E-10	3.71E-10	0.00E+00	0.00E+00	5.45E-10
12758	501164.3	3733805	1.164E-09	2.14E-09	0.00E+00	0.00E+00	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.31E-09	1.75E-10	3.74E-10	0.00E+00	0.00E+00	5.49E-10
12759	501160.6	3733814	1.173E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.16E-09	0.00E+00	0.00E+00	3.33E-09	1.77E-10	3.77E-10	0.00E+00	0.00E+00	5.53E-10
12760	501156.9	3733823	1.182E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
12761	501153.1	3733832	1.191E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.79E-10	3.83E-10	0.00E+00	0.00E+00	5.62E-10
12762	501149.4	3733841	1.201E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.86E-10	0.00E+00	0.00E+00	5.66E-10
12763	501145.7	3733850	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.89E-10	0.00E+00	0.00E+00	5.71E-10
12764	501141.9	3733859	1.219E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.75E-10
12765	501138.2	3733868	1.229E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.80E-10
12766	501134.5	3733877	1.238E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.86E-10	3.98E-10	0.00E+00	0.00E+00	5.84E-10
12767	501130.8	3733885	1.248E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	1.88E-10	4.01E-10	0.00E+00	0.00E+00	5.89E-10
12768	501127	3733894	1.257E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.57E-09	1.89E-10	4.04E-10	0.00E+00	0.00E+00	5.93E-10
12769	501123.3	3733903	1.267E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.98E-10
12770	501119.6	3733912	1.276E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
12771	501115.8	3733921	1.286E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.13E-10	0.00E+00	0.00E+00	6.07E-10
12772	501112.1	3733930	1.296E-09	2.39E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.11E-10
12773	501108.4	3733939	1.306E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.41E-09	0.00E+00	0.00E+00	3.71E-09	1.97E-10	4.19E-10	0.00E+00	0.00E+00	6.16E-10
12774	501104.6	3733948	1.315E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.42E-09	0.00E+00	0.00E+00	3.74E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.20E-10
12775	501100.9	3733957	1.325E-09	2.44E-09	0.00E+00	0.00E+00	3.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.44E-09	0.00E+00	0.00E+00	3.77E-09	2.00E-10	4.26E-10	0.00E+00	0.00E+00	6.25E-10
12776	501097.2	3733966	1.335E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.46E-09	0.00E+00	0.00E+00	3.80E-09	2.01E-10	4.29E-10	0.00E+00	0.00E+00	6.30E-10
12777	501093.5	3733975	1.345E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.82E-09	2.03E-10	4.32E-10	0.00E+00	0.00E+00	6.34E-10
12778	501089.7	3733984	1.355E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.50E-09	0.00E+00	0.00E+00	3.85E-09	2.04E-10	4.35E-10	0.00E+00	0.00E+00	6.39E-10
12779	501086	3733993	1.365E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.52E-09	0.00E+00	0.00E+00	3.88E-09	2.06E-10	4.38E-10	0.00E+00	0.00E+00	6.44E-10
12780	501082.3	3734002	1.375E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.53E-09	0.00E+00	0.00E+00	3.91E-09	2.07E-10	4.42E-10	0.00E+00	0.00E+00	6.49E-10
12781	501078.5	3734011	1.385E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.55E-09	0.00E+00	0.00E+00	3.94E-09	2.09E-10	4.45E-10	0.00E+00	0.00E+00	6.53E-10
12782	501074.8	3734020	1.395E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.57E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.48E-10	0.00E+00	0.00E+00	6.58E-10
12783	501071.1	3734029	1.406E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.51E-10	0.00E+00	0.00E+00	6.63E-10
12784	501067.3	3734038	1.416E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.68E-10
12785	501063.6	3734047	1.426E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.05E-09	2.15E-10	4.58E-10	0.00E+00	0.00E+00	6.73E-10
12786	501059.9	3734056	1.436E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.08E-09	2.16E-10	4.61E-10	0.00E+00	0.00E+00	6.78E-10
12787	501056.2	3734065	1.447E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.82E-10
12788	501052.4	3734074	1.457E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.69E-09	0.00E+00	0.00E+00	4.14E-09	2.19E-10	4.68E-10	0.00E+00	0.00E+00	6.87E-10
12789	501048.7	3734083	1.468E-09	2.71E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.71E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.92E-10
12790	501045	3734092	1.478E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.97E-10
12791	501041.2	3734101	1.489E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.02E-10
12792	501037.5	3734110	1.5E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.82E-10	0.00E+00	0.00E+00	7.07E-10
12793	501033.8	3734119	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.85E-10	0.00E+00	0.00E+00	7.12E-10
12794	501030	3734128	1.521E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.17E-10
12795	501026.3	3734137	1.532E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.23E-10
12796	500992.7	3734217	1.629E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	2.45E-10	5.23E-10	0.00E+00	0.00E+00	7.69E-10
12797	500989	3734226	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.27E-10	0.00E+00	0.00E+00	7.74E-10
12798	500985.3	3734235	1.651E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	2.49E-10	5.30E-10	0.00E+00	0.00E+00	7.79E-10
12799	500981.6	3734244	1.662E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.34E-10	0.00E+00	0.00E+00	7.84E-10
12800	500977.8	3734253	1.673E-09	3.08E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	3.08E-09	0.00E+00	0.00E+00	4.76E-09	2.52E-10	5.37E-10	0.00E+00	0.00E+00	7.89E-10
12801	500974.1	3734262	1.685E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
12802	500970.4	3734271	1.696E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	3.13E-09	0.00E+00	0.00E+00	4.82E-09	2.55E-10	5.45E-10	0.00E+00	0.00E+00	8.00E-10
12803	500966.6	3734280	1.708E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.15E-09	0.00E+00	0.00E+00	4.86E-09	2.57E-10	5.48E-10	0.00E+00	0.00E+00	8.06E-10
12804	500962.9	3734289	1.719E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	3.17E-09	0.00E+00	0.00E+00	4.89E-09	2.59E-10	5.52E-10	0.00E+00	0.00E+00	8.11E-10
12805	500959.2	3734298	1.731E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	3.19E-09	0.00E+00	0.00E+00	4.92E-09	2.61E-10	5.56E-10	0.00E+00	0.00E+00	8.16E-10
12806	500946.5	3734311	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.03E-09	2.67E-10	5.68E-10	0.00E+00	0.00E+00	8.35E-10
12807	500937.5	3734315	1.798E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	3.31E-09	0.00E+00	0.00E+00	5.11E-09	2.71E-10	5.77E-10	0.00E+00	0.00E+00	8.48E-10
12808	500928.5	3734318	1.826E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	3.37E-09	0.00E+00	0.00E+00	5.19E-09	2.75E-10	5.86E-10	0.00E+00	0.00E+00	8.61E-10
12809	500919.5	3734322	1.854E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.42E-09	0.00E+00	0.00E+00	5.27E-09	2.79E-10	5.95E-10	0.00E+00	0.00E+00	8.75E-10
12810	500910.5	3734326	1.883E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	3.47E-09	0.00E+00	0.00E+00	5.35E-09	2.84E-10	6.05E-10	0.00E+00	0.00E+00	8.88E-10
12811	500901.5	3734329	1.912E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	3.52E-09	0.00E+00	0.00E+00	5.44E-09	2.88E-10	6.14E-10	0.00E+00	0.00E+00	9.02E-10
12812	500892.6	3734333	1.942E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.58E-09	0.00E+00	0.00E+00	5.52E-09	2.92E-10	6.24E-10	0.00E+00	0.00E+00	9.16E-10
12813	500883.6	3734337	1.972E-09	3.63E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	3.63E-09	0.00E+00	0.00E+00	5.61E-09	2.97E-10	6.33E-10	0.00E+00	0.00E+00	9.30E-10
12814	500874.6	3734341	2.002E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	3.69E-09	0.00E+00	0.00E+00	5.69E-09	3.01E-10	6.43E-10	0.00E+00	0.00E+00	9.45E-10
12815	500865.6	3734344	2.033E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	3.75E-09	0.00E+00	0.00E+00	5.78E-09	3.06E-10	6.53E-10	0.00E+00	0.00E+00	9.59E-10
12816	500802.7	3734370	2.258E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	4.16E-09	0.00E+00	0.00E+00	6.42E-09	3.40E-10	7.25E-10	0.00E+00	0.00E+00	1.07E-09
12817	500793.7	3734374	2.291E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	4.22E-09	0.00E+00	0.00E+00	6.51E-09	3.45E-10	7.36E-10	0.00E+00	0.00E+00	1.08E-09
12818	500784.7	3734378	2.325E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	4.28E-09	0.00E+00	0.00E+00	6.61E-09	3.50E-10	7.47E-10	0.00E+00	0.00E+00	1.10E-09
12819	500775.8	3734381	2.358E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	4.35E-09	0.00E+00	0.00E+00	6.71E-09	3.55E-10	7.57E-10	0.00E+00	0.00E+00	1.11E-09
12820	500766.8	3734385	2.393E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	4.41E-09	0.00E+00	0.00E+00	6.80E-09	3.60E-10	7.68E-10	0.00E+00	0.00E+00	1.13E-09
12821	500757.8	3734389	2.428E-09	4.48E-09	0.00E+00	0.00E+00	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.90E-09	3.66E-10	7.80E-10	0.00E+00	0.00E+00	1.15E-09
12822	500748.8	3734392	2.464E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.91E-10	0.00E+00	0.00E+00	1.16E-09
12823	500739.8	3734396	2.5E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.61E-09	0.00E+00	0.00E+00	7.11E-09	3.76E-10	8.03E-10	0.00E+00	0.00E+00	1.18E-09
12824	500730.8	3734400	2.534E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.67E-09	0.00E+00	0.00E+00	7.20E-09	3.81E-10	8.14E-10	0.00E+00	0.00E+00	1.20E-09
12825	500721.9	3734403	2.568E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	4.73E-09	0.00E+00	0.00E+00	7.30E-09	3.87E-10	8.25E-10	0.00E+00	0.00E+00	1.21E-09
12826	500712.9	3734407	2.603E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.80E-09	0.00E+00	0.00E+00	7.40E-09	3.92E-10	8.36E-10	0.00E+00	0.00E+00	1.23E-09
12827	500703.9	3734411	2.637E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.86E-09	0.00E+00	0.00E+00	7.50E-09	3.97E-10	8.47E-10	0.00E+00	0.00E+00	1.24E-09
12828	500694.9	3734415	2.671E-09	4.92E-09	0.00E+00	0.00E+00	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.60E-09	4.02E-10	8.58E-10	0.00E+00	0.00E+00	1.26E-09
12829	500685.9	3734418	2.706E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	4.99E-09	0.00E+00	0.00E+00	7.69E-09	4.07E-10	8.69E-10	0.00E+00	0.00E+00	1.28E-09
12830	500676.9	3734422	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	5.05E-09	0.00E+00	0.00E+00	7.79E-09	4.13E-10	8.80E-10	0.00E+00	0.00E+00	1.29E-09
12831	500668	3734426	2.775E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	5.11E-09	0.00E+00	0.00E+00	7.89E-09	4.18E-10	8.91E-10	0.00E+00	0.00E+00	1.31E-09
12832	500659	3734429	2.809E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	5.18E-09	0.00E+00	0.00E+00	7.99E-09	4.23E-10	9.02E-10	0.00E+00	0.00E+00	1.32E-09
12833	500650	3734433	2.843E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	5.24E-09	0.00E+00	0.00E+00	8.08E-09	4.28E-10	9.13E-10	0.00E+00	0.00E+00	1.34E-09
12834	500641	3734437	2.877E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.30E-09	0.00E+00	0.00E+00	8.18E-09	4.33E-10	9.24E-10	0.00E+00	0.00E+00	1.36E-09
12835	500632	3734441	2.911E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	5.37E-09	0.00E+00	0.00E+00	8.28E-09	4.38E-10	9.35E-10	0.00E+00	0.00E+00	1.37E-09
12836	500623	3734444	2.944E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	5.43E-09	0.00E+00	0.00E+00	8.37E-09	4.43E-10	9.46E-10	0.00E+00	0.00E+00	1.39E-09
12837	500587.1	3734459	3.078E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.75E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
12838	500578.1	3734463	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	5.73E-09	0.00E+00	0.00E+00	8.84E-09	4.68E-10	9.99E-10	0.00E+00	0.00E+00	1.47E-09
12839	500569.1	3734466	3.142E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-09	5.79E-09	0.00E+00	0.00E+00	8.93E-09	4.73E-10	1.01E-09	0.00E+00	0.00E+00	1.48E-09
12840	500560.1	3734470	3.173E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	5.85E-09	0.00E+00	0.00E+00	9.02E-09	4.78E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
12841	500551.2	3734474	3.205E-09	5.91E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	5.91E-09	0.00E+00	0.00E+00	9.11E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
12842	500542.2	3734478	3.236E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	5.96E-09	0.00E+00	0.00E+00	9.20E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.53E-09
12843	500533.2	3734481	3.266E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	6.02E-09	0.00E+00	0.00E+00	9.29E-09	4.92E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
12844	500524.2	3734485	3.296E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	6.08E-09	0.00E+00	0.00E+00	9.37E-09	4.96E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
12845	500326.6	3734566	3.863E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	7.12E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
12846	500317.6	3734570	3.884E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	5.85E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
12847	500308.6	3734574	3.903E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.19E-09	0.00E+00	0.00E+00	1.11E-08	5.88E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
12848	500299.6	3734578	3.922E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	7.23E-09	0.00E+00	0.00E+00	1.12E-08	5.91E-10	1.26E-09	0.00E+00	0.00E+00	1.85E-09
12849	500290.6	3734581	3.941E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	7.26E-09	0.00E+00	0.00E+00	1.12E-08	5.93E-10	1.27E-09	0.00E+00	0.00E+00	1.86E-09
12850	500281.6	3734585	3.959E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	7.30E-09	0.00E+00	0.00E+00	1.13E-08	5.96E-10	1.27E-09	0.00E+00	0.00E+00	1.87E-09
12851	500272.7	3734589	3.977E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	7.33E-09	0.00E+00	0.00E+00	1.13E-08	5.99E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
12852	500263.7	3734592	3.994E-09	7.36E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.36E-09	0.00E+00	0.00E+00	1.14E-08	6.01E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
12853	500254.7	3734596	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	7.39E-09	0.00E+00	0.00E+00	1.14E-08	6.04E-10	1.29E-09	0.00E+00	0.00E+00	1.89E-09
12854	500245.7	3734600	4.026E-09	7.42E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	7.42E-09	0.00E+00	0.00E+00	1.14E-08	6.06E-10	1.29E-09	0.00E+00	0.00E+00	1.90E-09
12855	500236.7	3734603	4.042E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	7.45E-09	0.00E+00	0.00E+00	1.15E-08	6.09E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
12856	500227.7	3734607	4.056E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	7.48E-09	0.00E+00	0.00E+00	1.15E-08	6.11E-10	1.30E-09	0.00E+00	0.00E+00	1.91E-09
12857	500218.7	3734611	4.071E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	7.50E-09	0.00E+00	0.00E+00	1.16E-08	6.13E-10	1.31E-09	0.00E+00	0.00E+00	1.92E-09
12858	501272.5	3733545	9.413E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	1.42E-10	3.02E-10	0.00E+00	0.00E+00	4.44E-10
12859	501272.5	3733535	9.407E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.42E-10	3.02E-10	0.00E+00	0.00E+00	4.44E-10
12860	501272.5	3733525	9.402E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.42E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10
12861	501272.5	3733515	9.398E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.41E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10
12862	501272.5	3733506	9.395E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.41E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10
12863	501272.5	3733496	9.394E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.41E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10
12864	501272.6	3733486	9.395E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.41E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10
12865	501272.6	3733476	9.397E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.41E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10
12866	501272.6	3733467	9.4E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.42E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10

12867	501272.6	3733457	9.405E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.42E-10	3.02E-10	0.00E+00	0.00E+00	4.44E-10
12868	501272.6	3733447	9.412E-10	1.73E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-10	1.73E-09	0.00E+00	0.00E+00	2.68E-09	1.42E-10	3.02E-10	0.00E+00	0.00E+00	4.44E-10
12869	501272.6	3733438	9.42E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	1.42E-10	3.03E-10	0.00E+00	0.00E+00	4.44E-10
12870	501272.6	3733428	9.43E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	1.42E-10	3.03E-10	0.00E+00	0.00E+00	4.45E-10
12871	501272.6	3733418	9.445E-10	1.74E-09	0.00E+00	0.00E+00	2.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-10	1.74E-09	0.00E+00	0.00E+00	2.69E-09	1.42E-10	3.03E-10	0.00E+00	0.00E+00	4.46E-10
12872	501272.6	3733408	9.461E-10	1.74E-09	0.00E+00	0.00E+00	2.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-10	1.74E-09	0.00E+00	0.00E+00	2.69E-09	1.42E-10	3.04E-10	0.00E+00	0.00E+00	4.46E-10
12873	501272.6	3733399	9.48E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	1.43E-10	3.04E-10	0.00E+00	0.00E+00	4.47E-10
12874	501272.7	3733389	9.497E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	1.43E-10	3.05E-10	0.00E+00	0.00E+00	4.48E-10
12875	501272.7	3733379	9.514E-10	1.75E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-10	1.75E-09	0.00E+00	0.00E+00	2.71E-09	1.43E-10	3.06E-10	0.00E+00	0.00E+00	4.49E-10
12876	501272.7	3733369	9.534E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	1.44E-10	3.06E-10	0.00E+00	0.00E+00	4.50E-10
12877	501272.7	3733360	9.554E-10	1.76E-09	0.00E+00	0.00E+00	2.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-10	1.76E-09	0.00E+00	0.00E+00	2.72E-09	1.44E-10	3.07E-10	0.00E+00	0.00E+00	4.51E-10
12878	501272.7	3733340	9.6E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.08E-10	0.00E+00	0.00E+00	4.53E-10
12879	501272.7	3733331	9.625E-10	1.77E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-10	1.77E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
12880	501272.7	3733321	9.652E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-10	1.78E-09	0.00E+00	0.00E+00	2.74E-09	1.45E-10	3.10E-10	0.00E+00	0.00E+00	4.55E-10
12881	501272.7	3733311	9.68E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.57E-10
12882	501272.7	3733301	9.714E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-10	1.79E-09	0.00E+00	0.00E+00	2.76E-09	1.46E-10	3.12E-10	0.00E+00	0.00E+00	4.58E-10
12883	501272.8	3733282	9.798E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	1.48E-10	3.15E-10	0.00E+00	0.00E+00	4.62E-10
12884	501272.8	3733272	9.838E-10	1.81E-09	0.00E+00	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-10	1.81E-09	0.00E+00	0.00E+00	2.80E-09	1.48E-10	3.16E-10	0.00E+00	0.00E+00	4.64E-10
12885	501272.8	3733263	9.872E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.17E-10	0.00E+00	0.00E+00	4.66E-10
12886	501272.8	3733253	9.908E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-10	1.83E-09	0.00E+00	0.00E+00	2.82E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
12887	501272.8	3733243	9.944E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-10	1.83E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.19E-10	0.00E+00	0.00E+00	4.69E-10
12888	501304.5	3733554	9.006E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	1.36E-10	2.89E-10	0.00E+00	0.00E+00	4.25E-10
12889	501282.2	3733607	9.355E-10	1.72E-09	0.00E+00	0.00E+00	2.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-10	1.72E-09	0.00E+00	0.00E+00	2.66E-09	1.41E-10	3.00E-10	0.00E+00	0.00E+00	4.41E-10
12890	501278.4	3733616	9.418E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-10	1.74E-09	0.00E+00	0.00E+00	2.68E-09	1.42E-10	3.02E-10	0.00E+00	0.00E+00	4.44E-10
12891	501274.7	3733625	9.482E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-10	1.75E-09	0.00E+00	0.00E+00	2.70E-09	1.43E-10	3.05E-10	0.00E+00	0.00E+00	4.47E-10
12892	501271	3733634	9.548E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	1.44E-10	3.07E-10	0.00E+00	0.00E+00	4.50E-10
12893	501267.3	3733643	9.615E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.09E-10	0.00E+00	0.00E+00	4.54E-10
12894	501263.5	3733652	9.683E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.57E-10
12895	501259.8	3733661	9.752E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.60E-10
12896	501256.1	3733670	9.823E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	1.48E-10	3.15E-10	0.00E+00	0.00E+00	4.63E-10
12897	501252.4	3733679	9.895E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
12898	501248.7	3733688	9.968E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-10	1.84E-09	0.00E+00	0.00E+00	2.83E-09	1.50E-10	3.20E-10	0.00E+00	0.00E+00	4.70E-10
12899	501244.9	3733697	1.004E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-09	1.85E-09	0.00E+00	0.00E+00	2.86E-09	1.51E-10	3.23E-10	0.00E+00	0.00E+00	4.74E-10
12900	501241.2	3733706	1.012E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.77E-10
12901	501237.5	3733715	1.019E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.81E-10
12902	501233.8	3733724	1.027E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.85E-10
12903	501230	3733733	1.035E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
12904	501226.3	3733742	1.043E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.97E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.92E-10
12905	501215.2	3733768	1.067E-09	1.97E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.97E-09	0.00E+00	0.00E+00	3.03E-09	1.61E-10	3.43E-10	0.00E+00	0.00E+00	5.03E-10
12906	501211.4	3733777	1.075E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.98E-09	0.00E+00	0.00E+00	3.06E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.07E-10
12907	501207.7	3733786	1.083E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	2.00E-09	0.00E+00	0.00E+00	3.08E-09	1.63E-10	3.48E-10	0.00E+00	0.00E+00	5.11E-10
12908	501204	3733795	1.092E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.10E-09	1.64E-10	3.51E-10	0.00E+00	0.00E+00	5.15E-10
12909	501200.3	3733804	1.1E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.13E-09	1.66E-10	3.53E-10	0.00E+00	0.00E+00	5.19E-10
12910	501196.5	3733813	1.109E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.04E-09	0.00E+00	0.00E+00	3.15E-09	1.67E-10	3.56E-10	0.00E+00	0.00E+00	5.23E-10
12911	501192.8	3733822	1.117E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.06E-09	0.00E+00	0.00E+00	3.18E-09	1.68E-10	3.59E-10	0.00E+00	0.00E+00	5.27E-10
12912	501189.1	3733831	1.126E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.07E-09	0.00E+00	0.00E+00	3.20E-09	1.69E-10	3.61E-10	0.00E+00	0.00E+00	5.31E-10
12913	501185.4	3733840	1.134E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.09E-09	0.00E+00	0.00E+00	3.22E-09	1.71E-10	3.64E-10	0.00E+00	0.00E+00	5.35E-10
12914	501181.7	3733849	1.143E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.67E-10	0.00E+00	0.00E+00	5.39E-10
12915	501177.9	3733858	1.151E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.27E-09	1.73E-10	3.70E-10	0.00E+00	0.00E+00	5.43E-10
12916	501174.2	3733867	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	1.75E-10	3.73E-10	0.00E+00	0.00E+00	5.47E-10
12917	501170.5	3733876	1.169E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	1.76E-10	3.75E-10	0.00E+00	0.00E+00	5.51E-10
12918	501166.8	3733885	1.178E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.35E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.55E-10
12919	501163	3733894	1.186E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.19E-09	0.00E+00	0.00E+00	3.37E-09	1.79E-10	3.81E-10	0.00E+00	0.00E+00	5.60E-10
12920	501159.3	3733903	1.195E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.20E-09	0.00E+00	0.00E+00	3.40E-09	1.80E-10	3.84E-10	0.00E+00	0.00E+00	5.64E-10
12921	501155.6	3733912	1.204E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.22E-09	0.00E+00	0.00E+00	3.42E-09	1.81E-10	3.87E-10	0.00E+00	0.00E+00	5.68E-10
12922	501151.9	3733921	1.213E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.24E-09	0.00E+00	0.00E+00	3.45E-09	1.83E-10	3.90E-10	0.00E+00	0.00E+00	5.72E-10
12923	501148.2	3733930	1.222E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.25E-09	0.00E+00	0.00E+00	3.47E-09	1.84E-10	3.92E-10	0.00E+00	0.00E+00	5.76E-10
12924	501144.4	3733939	1.231E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.50E-09	1.85E-10	3.95E-10	0.00E+00	0.00E+00	5.80E-10
12925	501140.7	3733947	1.239E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.28E-09	0.00E+00	0.00E+00	3.52E-09	1.87E-10	3.98E-10	0.00E+00	0.00E+00	5.85E-10
12926	501137	3733956	1.248E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.55E-09	1.88E-10	4.01E-10	0.00E+00	0.00E+00	5.89E-10
12927	501133.3	3733965	1.257E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.89E-10	4.04E-10	0.00E+00	0.00E+00	5.93E-10
12928	501129.5	3733974	1.267E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.98E-10
12929	501125.8	3733983	1.276E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
12930	501122.1	3733992	1.285E-09	2.37E-09	0.00E+00	0.00E+00	3.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.65E-09	1.94E-10	4.13E-10	0.00E+00	0.00E+00	6.06E-10
12931	501118.4	3734001	1.294E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.38E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.10E-10
12932	501114.7	3734010	1.303E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.70E-09	1.96E-10	4.18E-10	0.00E+00	0.00E+00	6.14E-10
12933	501110.9	3734019	1.312E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.97E-10	4.21E-10	0.00E+00	0.00E+00	6.19E-10
12934	501107.2	3734028	1.321E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.23E-10
12935	501103.5	3734037	1.331E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.28E-10	0.00E+00	0.00E+00	6.28E-10
12936	501099.8	3734046	1.341E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.02E-10	4.31E-10	0.00E+00	0.00E+00	6.33E-10
12937	501096	3734055	1.351E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.49E-09	0.00E+00	0.00E+00	3.84E-09	2.03E-10	4.34E-10	0.00E+00	0.00E+00	6.37E-10
12938	501092.3	3734064	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.51E-09	0.00E+00	0.00E+00	3.87E-09	2.05E-10	4.37E-10	0.00E+00	0.00E+00	6.42E-10
12939	501088.6	3734073	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	2.53E-09	0.00E+00	0.00E+00	3.89E-09	2.06E-10	4.40E-10	0.00E+00	0.00E+00	6.46E-10
12940	501084.9	3734082	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	2.54E-09	0.00E+00	0.00E+00	3.92E-09	2.08E-10	4.43E-10	0.00E+00	0.00E+00	6.51E-10
12941	501081.2	3734091	1.389E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.55E-10
12942	501077.4	3734100	1.398E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.98E-09	2.11E-10	4.49E-10	0.00E+00	0.00E+00	6.60E-10
12943	501073.7	3734109	1.408E-09	2.60E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.60E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.64E-10
12944	501070	3734118	1.419E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.14E-10	4.56E-10	0.00E+00	0.00E+00	6.69E-10
12945	501066.3	3734127	1.428E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.74E-10
12946	501062.5	3734136	1.438E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	2.17E-10	4.62E-10	0.00E+00	0.00E+00	6.78E-10
12947	501047.7	3734171	1.478E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.20E-09	2.23E-10	4.75E-10	0.00E+00	0.00E+00	6.97E-10
12948	501043.9	3734180	1.488E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.74E-09	0.00E+00	0.00E+00	4.23E-09	2.24E-10	4.78E-10	0.00E+00	0.00E+00	7.02E-10
12949	501040.2	3734189	1.499E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.76E-09	0.00E+00	0.00E+00	4.26E-09	2.26E-10	4.81E-10	0.00E+00	0.00E+00	7.07E-10
12950	501036.5	3734198	1.509E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.78E-09	0.00E+00	0.00E+00	4.29E-09	2.27E-10	4.84E-10	0.00E+00	0.00E+00	7.12E-10
12951	501032.8	3734207	1.519E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.80E-09	0.00E+00	0.00E+00	4.32E-09	2.29E-10	4.88E-10	0.00E+00	0.00E+00	7.16E-10
12952	501029	3734216	1.529E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.35E-09	2.30E-10	4.91E-10	0.00E+00	0.00E+00	7.21E-10
12953	501025.3	3734225	1.539E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.94E-10	0.00E+00	0.00E+00	7.26E-10
12954	501021.6	3734234	1.549E-09	2.86E-09	0.00E+00	0.00E+00	4.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.40E-09	2.33E-10	4.98E-10	0.00E+00	0.00E+00	7.31E-10
12955	501017.9	3734243	1.559E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	2.87E-09	0.00E+00	0.00E+00	4.43E-09	2.35E-10	5.01E-10	0.00E+00	0.00E+00	7.36E-10
12956	500991.8	3734306	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.00E-09	0.00E+00	0.00E+00	4.63E-09	2.45E-10	5.23E-10	0.00E+00	0.00E+00	7.69E-10
12957	500988.1	3734315	1.639E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	3.02E-09	0.00E+00	0.00E+00	4.66E-09	2.47E-10	5.26E-10	0.00E+00	0.00E+00	7.73E-10
12958	500984.4	3734324	1.649E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	3.04E-09	0.00E+00	0.00E+00	4.69E-09	2.48E-10	5.30E-10	0.00E+00	0.00E+00	7.78E-10
12959	500971.7	3734336	1.686E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.42E-10	0.00E+00	0.00E+00	7.95E-10
12960	500962.7	3734340	1.714E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.08E-10
12961	500953.8	3734344	1.742E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.22E-10
12962	500891	3734369	1.936E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	3.57E-09	0.00E+00	0.00E+00	5.50E-09	2.91E-10	6.22E-10	0.00E+00	0.00E+00	9.13E-10
12963	500882	3734373	1.965E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	3.62E-09	0.00E+00	0.00E+00	5.59E-09	2.96E-10	6.31E-10	0.00E+00	0.00E+00	9.27E-10
12964	500873.1	3734377	1.994E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	3.67E-09	0.00E+00	0.00E+00	5.67E-09	3.00E-10	6.40E-10	0.00E+00	0.00E+00	9.40E-10
12965	500864.1	3734381	2.023E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	3.73E-09	0.00E+00	0.00E+00	5.75E-09	3.05E-10	6.50E-10	0.00E+00	0.00E+00	9.54E-10
12966	500855.1	3734384	2.053E-09	3.78E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	3.78E-09	0.00E+00	0.00E+00	5.84E-09	3.09E-10	6.59E-10	0.00E+00	0.00E+00	9.69E-10
12967	500846.2	3734388	2.083E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	3.84E-09	0.00E+00	0.00E+00	5.92E-09	3.14E-10	6.69E-10	0.00E+00	0.00E+00	9.83E-10
12968	500837.2	3734392	2.114E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	3.90E-09	0.00E+00	0.00E+00	6.01E-09	3.18E-10	6.79E-10	0.00E+00	0.00E+00	9.97E-10
12969	500828.3	3734395	2.145E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	3.95E-09	0.00E+00	0.00E+00	6.10E-09	3.23E-10	6.89E-10	0.00E+00	0.00E+00	1.01E-09
12970	500819.3	3734399	2.176E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	4.01E-09	0.00E+00	0.00E+00	6.19E-09	3.28E-10	6.99E-10	0.00E+00	0.00E+00	1.03E-09
12971	500810.3	3734403	2.207E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	4.07E-09	0.00E+00	0.00E+00	6.27E-09	3.32E-10	7.09E-10	0.00E+00	0.00E+00	1.04E-09
12972	500801.4	3734406	2.238E-09	4.13E-09	0.00E+00	0.00E+00	6.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	4.13E-09	0.00E+00	0.00E+00	6.36E-09	3.37E-10	7.19E-10	0.00E+00	0.00E+00	1.06E-09
12973	500792.4	3734410	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	4.18E-09	0.00E+00	0.00E+00	6.45E-09	3.42E-10	7.29E-10	0.00E+00	0.00E+00	1.07E-09
12974	500783.4	3734414	2.301E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	4.24E-09	0.00E+00	0.00E+00	6.54E-09	3.46E-10	7.39E-10	0.00E+00	0.00E+00	1.09E-09
12975	500774.5	3734417	2.333E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	4.30E-09	0.00E+00	0.00E+00	6.63E-09	3.51E-10	7.49E-10	0.00E+00	0.00E+00	1.10E-09
12976	500765.5	3734421	2.366E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.36E-09	0.00E+00	0.00E+00	6.73E-09	3.56E-10	7.60E-10	0.00E+00	0.00E+00	1.12E-09
12977	500756.5	3734425	2.399E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	3.61E-10	7.71E-10	0.00E+00	0.00E+00	1.13E-09
12978	500747.6	3734429	2.433E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.92E-09	3.66E-10	7.81E-10	0.00E+00	0.00E+00	1.15E-09
12979	500738.6	3734432	2.466E-09	4.55E-09	0.00E+00	0.00E+00	7.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	4.55E-09	0.00E+00	0.00E+00	7.01E-09	3.71E-10	7.92E-10	0.00E+00	0.00E+00	1.16E-09
12980	500729.6	3734436	2.498E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	4.60E-09	0.00E+00	0.00E+00	7.10E-09	3.76E-10	8.02E-10	0.00E+00	0.00E+00	1.18E-09
12981	500720.7	3734440	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	4.66E-09	0.00E+00	0.00E+00	7.19E-09	3.81E-10	8.13E-10	0.00E+00	0.00E+00	1.19E-09
12982	500711.7	3734443	2.562E-09	4.72E-09	0.00E+00	0.00E+00	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	4.72E-09	0.00E+00	0.00E+00	7.29E-09	3.86E-10	8.23E-10	0.00E+00	0.00E+00	1.21E-09
12983	500702.7	3734447	2.595E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	4.78E-09	0.00E+00	0.00E+00	7.38E-09	3.91E-10	8.33E-10	0.00E+00	0.00E+00	1.22E-09
12984	500693.8	3734451	2.627E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	4.84E-09	0.00E+00	0.00E+00	7.47E-09	3.95E-10	8.44E-10	0.00E+00	0.00E+00	1.24E-09
12985	500684.8	3734454	2.659E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	4.90E-09	0.00E+00	0.00E+00	7.56E-09	4.00E-10	8.54E-10	0.00E+00	0.00E+00	1.25E-09
12986	500675.8	3734458	2.691E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	4.96E-09	0.00E+00	0.00E+00	7.65E-09	4.05E-10	8.64E-10	0.00E+00	0.00E+00	1.27E-09
12987	500666.9	3734462	2.723E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	5.02E-09	0.00E+00	0.00E+00	7.74E-09	4.10E-10	8.74E-10	0.00E+00	0.00E+00	1.28E-09
12988	500657.9	3734466	2.754E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	5.08E-09	0.00E+00	0.00E+00	7.83E-09	4.15E-10	8.85E-10	0.00E+00	0.00E+00	1.30E-09
12989	500648.9	3734469	2.786E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	4.19E-10	8.95E-10	0.00E+00	0.00E+00	1.31E-09
12990	500640	3734473	2.818E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.05E-10	0.00E+00	0.00E+00	1.33E-09
12991	500631	3734477	2.849E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	5.25E-09	0.00E+00	0.00E+00	8.10E-09	4.29E-10	9.15E-10	0.00E+00	0.00E+00	1.34E-09
12992	500622.1	3734480	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	5.31E-09	0.00E+00	0.00E+00	8.19E-09	4.34E-10	9.25E-10	0.00E+00	0.00E+00	1.36E-09
12993	500415.9	3734565	3.511E-09	6.47E-09	0.00E+00	0.00E+00	9.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.98E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
12994	500406.9	3734569	3.534E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
12995	500397.9	3734573	3.556E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	6.55E-09	0.00E+00	0.00E+00	1.01E-08	5.35E-10	1.14E-09	0.00E+00	0.00E+00	1.68E-09
12996	500389	3734576	3.578E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.60E-09	0.00E+00	0.00E+00	1.02E-08	5.39E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09

12997	500380	3734580	3.6E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.63E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
12998	500371	3734584	3.621E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
12999	500362.1	3734587	3.641E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
13000	500353.1	3734591	3.661E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.51E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
13001	500344.1	3734595	3.681E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.74E-09
13002	500335.2	3734599	3.701E-09	6.82E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	6.82E-09	0.00E+00	0.00E+00	1.05E-08	5.57E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
13003	500326.2	3734602	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.60E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
13004	500317.2	3734606	3.738E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.89E-09	0.00E+00	0.00E+00	1.06E-08	5.63E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
13005	500308.3	3734610	3.756E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.92E-09	0.00E+00	0.00E+00	1.07E-08	5.65E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
13006	500299.3	3734613	3.773E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	6.95E-09	0.00E+00	0.00E+00	1.07E-08	5.68E-10	1.21E-09	0.00E+00	0.00E+00	1.78E-09
13007	500290.3	3734617	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	6.99E-09	0.00E+00	0.00E+00	1.08E-08	5.71E-10	1.22E-09	0.00E+00	0.00E+00	1.79E-09
13008	500281.4	3734621	3.807E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	7.02E-09	0.00E+00	0.00E+00	1.08E-08	5.73E-10	1.22E-09	0.00E+00	0.00E+00	1.80E-09
13009	500272.4	3734624	3.823E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.05E-09	0.00E+00	0.00E+00	1.09E-08	5.76E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
13010	500263.4	3734628	3.838E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	7.07E-09	0.00E+00	0.00E+00	1.09E-08	5.78E-10	1.23E-09	0.00E+00	0.00E+00	1.81E-09
13011	500254.5	3734632	3.853E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	7.10E-09	0.00E+00	0.00E+00	1.10E-08	5.80E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
13012	500245.5	3734636	3.868E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	7.13E-09	0.00E+00	0.00E+00	1.10E-08	5.82E-10	1.24E-09	0.00E+00	0.00E+00	1.82E-09
13013	500236.5	3734639	3.882E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	7.16E-09	0.00E+00	0.00E+00	1.10E-08	5.84E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
13014	500227.6	3734643	3.896E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	7.18E-09	0.00E+00	0.00E+00	1.11E-08	5.87E-10	1.25E-09	0.00E+00	0.00E+00	1.84E-09
13015	500218.6	3734647	3.909E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.20E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
13016	501308.2	3733545	8.956E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	1.35E-10	2.88E-10	0.00E+00	0.00E+00	4.22E-10
13017	501308.2	3733535	8.95E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13018	501308.2	3733525	8.946E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13019	501308.2	3733515	8.942E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13020	501308.3	3733506	8.94E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13021	501308.3	3733496	8.94E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13022	501308.3	3733486	8.941E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13023	501308.3	3733476	8.943E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13024	501308.3	3733467	8.947E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13025	501308.3	3733457	8.952E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	1.35E-10	2.88E-10	0.00E+00	0.00E+00	4.22E-10
13026	501308.3	3733447	8.959E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	1.35E-10	2.88E-10	0.00E+00	0.00E+00	4.23E-10
13027	501308.3	3733438	8.967E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	1.35E-10	2.88E-10	0.00E+00	0.00E+00	4.23E-10
13028	501308.3	3733428	8.977E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-10	1.65E-09	0.00E+00	0.00E+00	2.55E-09	1.35E-10	2.88E-10	0.00E+00	0.00E+00	4.23E-10
13029	501308.3	3733418	8.988E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	1.35E-10	2.89E-10	0.00E+00	0.00E+00	4.24E-10
13030	501308.4	3733408	9E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	1.36E-10	2.89E-10	0.00E+00	0.00E+00	4.25E-10
13031	501308.4	3733399	9.015E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	1.36E-10	2.90E-10	0.00E+00	0.00E+00	4.25E-10
13032	501308.4	3733389	9.03E-10	1.66E-09	0.00E+00	0.00E+00	2.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-10	1.66E-09	0.00E+00	0.00E+00	2.57E-09	1.36E-10	2.90E-10	0.00E+00	0.00E+00	4.26E-10
13033	501308.4	3733379	9.047E-10	1.67E-09	0.00E+00	0.00E+00	2.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-10	1.67E-09	0.00E+00	0.00E+00	2.57E-09	1.36E-10	2.91E-10	0.00E+00	0.00E+00	4.27E-10
13034	501308.4	3733370	9.065E-10	1.67E-09	0.00E+00	0.00E+00	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-10	1.67E-09	0.00E+00	0.00E+00	2.58E-09	1.36E-10	2.91E-10	0.00E+00	0.00E+00	4.28E-10
13035	501308.4	3733360	9.085E-10	1.67E-09	0.00E+00	0.00E+00	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-10	1.67E-09	0.00E+00	0.00E+00	2.58E-09	1.37E-10	2.92E-10	0.00E+00	0.00E+00	4.29E-10
13036	501308.4	3733331	9.152E-10	1.69E-09	0.00E+00	0.00E+00	2.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-10	1.69E-09	0.00E+00	0.00E+00	2.60E-09	1.38E-10	2.94E-10	0.00E+00	0.00E+00	4.32E-10
13037	501308.4	3733321	9.177E-10	1.69E-09	0.00E+00	0.00E+00	2.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-10	1.69E-09	0.00E+00	0.00E+00	2.61E-09	1.38E-10	2.95E-10	0.00E+00	0.00E+00	4.33E-10
13038	501308.5	3733311	9.204E-10	1.70E-09	0.00E+00	0.00E+00	2.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-10	1.70E-09	0.00E+00	0.00E+00	2.62E-09	1.39E-10	2.96E-10	0.00E+00	0.00E+00	4.34E-10
13039	501308.5	3733301	9.232E-10	1.70E-09	0.00E+00	0.00E+00	2.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-10	1.70E-09	0.00E+00	0.00E+00	2.62E-09	1.39E-10	2.96E-10	0.00E+00	0.00E+00	4.35E-10
13040	501308.5	3733282	9.292E-10	1.71E-09	0.00E+00	0.00E+00	2.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-10	1.71E-09	0.00E+00	0.00E+00	2.64E-09	1.40E-10	2.98E-10	0.00E+00	0.00E+00	4.38E-10
13041	501308.5	3733272	9.324E-10	1.72E-09	0.00E+00	0.00E+00	2.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-10	1.72E-09	0.00E+00	0.00E+00	2.65E-09	1.40E-10	2.99E-10	0.00E+00	0.00E+00	4.40E-10
13042	501308.5	3733263	9.357E-10	1.72E-09	0.00E+00	0.00E+00	2.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-10	1.72E-09	0.00E+00	0.00E+00	2.66E-09	1.41E-10	3.00E-10	0.00E+00	0.00E+00	4.41E-10
13043	501308.5	3733253	9.39E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-10	1.73E-09	0.00E+00	0.00E+00	2.67E-09	1.41E-10	3.02E-10	0.00E+00	0.00E+00	4.43E-10
13044	501340.2	3733554	8.581E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	1.29E-10	2.76E-10	0.00E+00	0.00E+00	4.05E-10
13045	501336.5	3733562	8.63E-10	1.59E-09	0.00E+00	0.00E+00	2.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-10	1.59E-09	0.00E+00	0.00E+00	2.45E-09	1.30E-10	2.77E-10	0.00E+00	0.00E+00	4.07E-10
13046	501332.8	3733571	8.682E-10	1.60E-09	0.00E+00	0.00E+00	2.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-10	1.60E-09	0.00E+00	0.00E+00	2.47E-09	1.31E-10	2.79E-10	0.00E+00	0.00E+00	4.10E-10
13047	501280.8	3733697	9.534E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-10	1.76E-09	0.00E+00	0.00E+00	2.71E-09	1.44E-10	3.06E-10	0.00E+00	0.00E+00	4.50E-10
13048	501277.1	3733705	9.603E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-10	1.77E-09	0.00E+00	0.00E+00	2.73E-09	1.45E-10	3.08E-10	0.00E+00	0.00E+00	4.53E-10
13049	501273.3	3733714	9.674E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-10	1.78E-09	0.00E+00	0.00E+00	2.75E-09	1.46E-10	3.11E-10	0.00E+00	0.00E+00	4.56E-10
13050	501269.6	3733723	9.745E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-10	1.80E-09	0.00E+00	0.00E+00	2.77E-09	1.47E-10	3.13E-10	0.00E+00	0.00E+00	4.60E-10
13051	501265.9	3733732	9.817E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-10	1.81E-09	0.00E+00	0.00E+00	2.79E-09	1.48E-10	3.15E-10	0.00E+00	0.00E+00	4.63E-10
13052	501262.2	3733741	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-10	1.82E-09	0.00E+00	0.00E+00	2.81E-09	1.49E-10	3.18E-10	0.00E+00	0.00E+00	4.67E-10
13053	501251.1	3733768	1.011E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09	1.86E-09	0.00E+00	0.00E+00	2.88E-09	1.52E-10	3.25E-10	0.00E+00	0.00E+00	4.77E-10
13054	501247.3	3733777	1.019E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	1.88E-09	0.00E+00	0.00E+00	2.90E-09	1.53E-10	3.27E-10	0.00E+00	0.00E+00	4.81E-10
13055	501243.6	3733786	1.027E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.89E-09	0.00E+00	0.00E+00	2.92E-09	1.55E-10	3.30E-10	0.00E+00	0.00E+00	4.84E-10
13056	501239.9	3733795	1.034E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-09	1.91E-09	0.00E+00	0.00E+00	2.94E-09	1.56E-10	3.32E-10	0.00E+00	0.00E+00	4.88E-10
13057	501236.2	3733804	1.042E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-09	1.92E-09	0.00E+00	0.00E+00	2.96E-09	1.57E-10	3.35E-10	0.00E+00	0.00E+00	4.91E-10
13058	501232.5	3733813	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-09	1.93E-09	0.00E+00	0.00E+00	2.98E-09	1.58E-10	3.37E-10	0.00E+00	0.00E+00	4.95E-10
13059	501228.8	3733822	1.057E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-09	1.95E-09	0.00E+00	0.00E+00	3.01E-09	1.59E-10	3.40E-10	0.00E+00	0.00E+00	4.99E-10
13060	501225.1	3733831	1.065E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.96E-09	0.00E+00	0.00E+00	3.03E-09	1.60E-10	3.42E-10	0.00E+00	0.00E+00	5.02E-10
13061	501221.3	3733839	1.073E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-09	1.98E-09	0.00E+00	0.00E+00	3.05E-09	1.62E-10	3.45E-10	0.00E+00	0.00E+00	5.06E-10
13062	501217.6	3733848	1.081E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-09	1.99E-09	0.00E+00	0.00E+00	3.07E-09	1.63E-10	3.47E-10	0.00E+00	0.00E+00	5.10E-10
13063	501213.9	3733857	1.088E-09	2.01E-09	0.00E+00	0.00E+00	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-09	2.01E-09	0.00E+00	0.00E+00	3.09E-09	1.64E-10	3.50E-10	0.00E+00	0.00E+00	5.13E-10
13064	501210.2	3733866	1.096E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.02E-09	0.00E+00	0.00E+00	3.12E-09	1.65E-10	3.52E-10	0.00E+00	0.00E+00	5.17E-10
13065	501206.5	3733875	1.104E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-09	2.03E-09	0.00E+00	0.00E+00	3.14E-09	1.66E-10	3.54E-10	0.00E+00	0.00E+00	5.21E-10
13066	501202.8	3733884	1.112E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	2.05E-09	0.00E+00	0.00E+00	3.16E-09	1.67E-10	3.57E-10	0.00E+00	0.00E+00	5.25E-10
13067	501199	3733893	1.121E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	2.07E-09	0.00E+00	0.00E+00	3.19E-09	1.69E-10	3.60E-10	0.00E+00	0.00E+00	5.29E-10
13068	501195.3	3733902	1.129E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-09	2.08E-09	0.00E+00	0.00E+00	3.21E-09	1.70E-10	3.63E-10	0.00E+00	0.00E+00	5.33E-10
13069	501191.6	3733911	1.137E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.10E-09	0.00E+00	0.00E+00	3.23E-09	1.71E-10	3.65E-10	0.00E+00	0.00E+00	5.36E-10
13070	501187.9	3733920	1.144E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-09	2.11E-09	0.00E+00	0.00E+00	3.25E-09	1.72E-10	3.68E-10	0.00E+00	0.00E+00	5.40E-10
13071	501184.2	3733929	1.152E-09	2.12E-09	0.00E+00	0.00E+00	3.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-09	2.12E-09	0.00E+00	0.00E+00	3.28E-09	1.73E-10	3.70E-10	0.00E+00	0.00E+00	5.43E-10
13072	501180.5	3733938	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-09	2.14E-09	0.00E+00	0.00E+00	3.30E-09	1.75E-10	3.72E-10	0.00E+00	0.00E+00	5.47E-10
13073	501176.8	3733947	1.168E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-09	2.15E-09	0.00E+00	0.00E+00	3.32E-09	1.76E-10	3.75E-10	0.00E+00	0.00E+00	5.51E-10
13074	501173	3733956	1.176E-09	2.17E-09	0.00E+00	0.00E+00	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.17E-09	0.00E+00	0.00E+00	3.34E-09	1.77E-10	3.78E-10	0.00E+00	0.00E+00	5.55E-10
13075	501169.3	3733965	1.183E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-09	2.18E-09	0.00E+00	0.00E+00	3.36E-09	1.78E-10	3.80E-10	0.00E+00	0.00E+00	5.58E-10
13076	501165.6	3733974	1.192E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.20E-09	0.00E+00	0.00E+00	3.39E-09	1.79E-10	3.83E-10	0.00E+00	0.00E+00	5.62E-10
13077	501161.9	3733982	1.2E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.21E-09	0.00E+00	0.00E+00	3.41E-09	1.81E-10	3.85E-10	0.00E+00	0.00E+00	5.66E-10
13078	501158.2	3733991	1.209E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	2.23E-09	0.00E+00	0.00E+00	3.44E-09	1.82E-10	3.88E-10	0.00E+00	0.00E+00	5.70E-10
13079	501154.5	3734000	1.217E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-09	2.24E-09	0.00E+00	0.00E+00	3.46E-09	1.83E-10	3.91E-10	0.00E+00	0.00E+00	5.74E-10
13080	501150.8	3734009	1.226E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.26E-09	0.00E+00	0.00E+00	3.49E-09	1.85E-10	3.94E-10	0.00E+00	0.00E+00	5.78E-10
13081	501147	3734018	1.234E-09	2.27E-09	0.00E+00	0.00E+00	3.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	2.27E-09	0.00E+00	0.00E+00	3.51E-09	1.86E-10	3.96E-10	0.00E+00	0.00E+00	5.82E-10
13082	501143.3	3734027	1.242E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-09	2.29E-09	0.00E+00	0.00E+00	3.53E-09	1.87E-10	3.99E-10	0.00E+00	0.00E+00	5.86E-10
13083	501139.6	3734036	1.251E-09	2.30E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-09	2.30E-09	0.00E+00	0.00E+00	3.56E-09	1.88E-10	4.02E-10	0.00E+00	0.00E+00	5.90E-10
13084	501135.9	3734045	1.259E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	2.32E-09	0.00E+00	0.00E+00	3.58E-09	1.90E-10	4.04E-10	0.00E+00	0.00E+00	5.94E-10
13085	501132.2	3734054	1.268E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-09	2.34E-09	0.00E+00	0.00E+00	3.60E-09	1.91E-10	4.07E-10	0.00E+00	0.00E+00	5.98E-10
13086	501128.5	3734063	1.277E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-09	2.35E-09	0.00E+00	0.00E+00	3.63E-09	1.92E-10	4.10E-10	0.00E+00	0.00E+00	6.02E-10
13087	501124.7	3734072	1.286E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	2.37E-09	0.00E+00	0.00E+00	3.66E-09	1.94E-10	4.13E-10	0.00E+00	0.00E+00	6.07E-10
13088	501121	3734081	1.296E-09	2.39E-09	0.00E+00	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.39E-09	0.00E+00	0.00E+00	3.68E-09	1.95E-10	4.16E-10	0.00E+00	0.00E+00	6.11E-10
13089	501117.3	3734090	1.305E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-09	2.40E-09	0.00E+00	0.00E+00	3.71E-09	1.96E-10	4.19E-10	0.00E+00	0.00E+00	6.15E-10
13090	501113.6	3734099	1.313E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-09	2.42E-09	0.00E+00	0.00E+00	3.73E-09	1.98E-10	4.22E-10	0.00E+00	0.00E+00	6.19E-10
13091	501109.9	3734108	1.321E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	2.44E-09	0.00E+00	0.00E+00	3.76E-09	1.99E-10	4.24E-10	0.00E+00	0.00E+00	6.23E-10
13092	501106.2	3734117	1.329E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	2.45E-09	0.00E+00	0.00E+00	3.78E-09	2.00E-10	4.27E-10	0.00E+00	0.00E+00	6.27E-10
13093	501102.5	3734125	1.338E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	2.47E-09	0.00E+00	0.00E+00	3.81E-09	2.01E-10	4.30E-10	0.00E+00	0.00E+00	6.31E-10
13094	501098.7	3734134	1.348E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	2.48E-09	0.00E+00	0.00E+00	3.83E-09	2.03E-10	4.33E-10	0.00E+00	0.00E+00	6.36E-10
13095	501095	3734143	1.358E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	2.50E-09	0.00E+00	0.00E+00	3.86E-09	2.04E-10	4.36E-10	0.00E+00	0.00E+00	6.40E-10
13096	501083.9	3734170	1.388E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	2.56E-09	0.00E+00	0.00E+00	3.95E-09	2.09E-10	4.46E-10	0.00E+00	0.00E+00	6.55E-10
13097	501080.2	3734179	1.398E-09	2.58E-09	0.00E+00	0.00E+00	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	2.58E-09	0.00E+00	0.00E+00	3.97E-09	2.10E-10	4.49E-10	0.00E+00	0.00E+00	6.59E-10
13098	501076.5	3734188	1.408E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	2.59E-09	0.00E+00	0.00E+00	4.00E-09	2.12E-10	4.52E-10	0.00E+00	0.00E+00	6.64E-10
13099	501072.7	3734197	1.418E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	2.61E-09	0.00E+00	0.00E+00	4.03E-09	2.13E-10	4.55E-10	0.00E+00	0.00E+00	6.69E-10
13100	501069	3734206	1.428E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	2.63E-09	0.00E+00	0.00E+00	4.06E-09	2.15E-10	4.59E-10	0.00E+00	0.00E+00	6.74E-10
13101	501065.3	3734215	1.437E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	2.65E-09	0.00E+00	0.00E+00	4.09E-09	2.16E-10	4.62E-10	0.00E+00	0.00E+00	6.78E-10
13102	501061.6	3734224	1.447E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	2.67E-09	0.00E+00	0.00E+00	4.11E-09	2.18E-10	4.65E-10	0.00E+00	0.00E+00	6.82E-10
13103	501057.9	3734233	1.456E-09	2.68E-09	0.00E+00	0.00E+00	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	2.68E-09	0.00E+00	0.00E+00	4.14E-09	2.19E-10	4.68E-10	0.00E+00	0.00E+00	6.87E-10
13104	501054.2	3734242	1.466E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	2.70E-09	0.00E+00	0.00E+00	4.17E-09	2.21E-10	4.71E-10	0.00E+00	0.00E+00	6.91E-10
13105	501050.5	3734251	1.475E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.72E-09	0.00E+00	0.00E+00	4.19E-09	2.22E-10	4.74E-10	0.00E+00	0.00E+00	6.96E-10
13106	501046.7	3734259	1.485E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	2.74E-09	0.00E+00	0.00E+00	4.22E-09	2.24E-10	4.77E-10	0.00E+00	0.00E+00	7.00E-10
13107	501043	3734268	1.494E-09	2.75E-09	0.00E+00	0.00E+00	4.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	2.75E-09	0.00E+00	0.00E+00	4.25E-09	2.25E-10	4.80E-10	0.00E+00	0.00E+00	7.05E-10
13108	501039.3	3734277	1.504E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	2.77E-09	0.00E+00	0.00E+00	4.27E-09	2.26E-10	4.83E-10	0.00E+00	0.00E+00	7.09E-10
13109	501035.6	3734286	1.513E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	2.79E-09	0.00E+00	0.00E+00	4.30E-09	2.28E-10	4.86E-10	0.00E+00	0.00E+00	7.14E-10
13110	501031.9	3734295	1.522E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	2.81E-09	0.00E+00	0.00E+00	4.33E-09	2.29E-10	4.89E-10	0.00E+00	0.00E+00	7.18E-10
13111	501028.2	3734304	1.532E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	2.82E-09	0.00E+00	0.00E+00	4.36E-09	2.31E-10	4.92E-10	0.00E+00	0.00E+00	7.23E-10
13112	501024.4	3734313	1.541E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	2.84E-09	0.00E+00	0.00E+00	4.38E-09	2.32E-10	4.95E-10	0.00E+00	0.00E+00	7.27E-10
13113	501020.7	3734322	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	2.86E-09	0.00E+00	0.00E+00	4.41E-09	2.33E-10	4.98E-10	0.00E+00	0.00E+00	7.31E-10
13114	500988	3734365	1.635E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	3.01E-09	0.00E+00	0.00E+00	4.65E-09	2.46E-10	5.25E-10	0.00E+00	0.00E+00	7.71E-10
13115	500979	3734369	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	3.06E-09	0.00E+00	0.00E+00	4.72E-09	2.50E-10	5.33E-10	0.00E+00	0.00E+00	7.83E-10
13116	500970.1	3734373	1.686E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	3.11E-09	0.00E+00	0.00E+00	4.79E-09	2.54E-10	5.41E-10	0.00E+00	0.00E+00	7.95E-10
13117	500961.1	3734376	1.713E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	3.16E-09	0.00E+00	0.00E+00	4.87E-09	2.58E-10	5.50E-10	0.00E+00	0.00E+00	8.08E-10
13118	500952.2	3734380	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	3.21E-09	0.00E+00	0.00E+00	4.95E-09	2.62E-10	5.59E-10	0.00E+00	0.00E+00	8.21E-10
13119	500943.2	3734384	1.766E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	3.26E-09	0.00E+00	0.00E+00	5.02E-09	2.66E-10	5.67E-10	0.00E+00	0.00E+00	8.33E-10
13120	500934.3	3734387	1.792E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	3.30E-09	0.00E+00	0.00E+00	5.10E-09	2.70E-10	5.76E-10	0.00E+00	0.00E+00	8.45E-10
13121	500925.3	3734391	1.819E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	3.35E-09	0.00E+00	0.00E+00	5.17E-09	2.74E-10	5.84E-10	0.00E+00	0.00E+00	8.58E-10
13122	500916.4	3734395	1.845E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	3.40E-09	0.00E+00	0.00E+00	5.25E-09	2.78E-10	5.93E-10	0.00E+00	0.00E+00	8.70E-10
13123	500907.5	3734398	1.872E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	3.45E-09	0.00E+00	0.00E+00	5.32E-09	2.82E-10	6.01E-10	0.00E+00	0.00E+00	8.83E-10
13124	500898.5	3734402	1.9E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	3.50E-09	0.00E+00	0.00E+00	5.40E-09	2.86E-10	6.10E-10	0.00E+00	0.00E+00	8.96E-10
13125	500889.6	3734406	1.927E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	3.55E-09	0.00E+00	0.00E+00	5.48E-09	2.90E-10	6.19E-10	0.00E+00	0.00E+00	9.09E-10
13126	500880.6	3734409	1.955E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	3.60E-09	0.00E+00	0.00E+00	5.56E-09	2.94E-10	6.28E-10	0.00E+00	0.00E+00	9.22E-10

13127	500871.7	3734413	1.983E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	3.66E-09	0.00E+00	0.00E+00	5.64E-09	2.99E-10	6.37E-10	0.00E+00	0.00E+00	9.35E-10
13128	500862.7	3734417	2.011E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	3.71E-09	0.00E+00	0.00E+00	5.72E-09	3.03E-10	6.46E-10	0.00E+00	0.00E+00	9.49E-10
13129	500853.8	3734420	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	3.76E-09	0.00E+00	0.00E+00	5.80E-09	3.07E-10	6.55E-10	0.00E+00	0.00E+00	9.62E-10
13130	500844.8	3734424	2.069E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	3.81E-09	0.00E+00	0.00E+00	5.88E-09	3.11E-10	6.64E-10	0.00E+00	0.00E+00	9.76E-10
13131	500835.9	3734428	2.098E-09	3.87E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	3.87E-09	0.00E+00	0.00E+00	5.96E-09	3.16E-10	6.74E-10	0.00E+00	0.00E+00	9.90E-10
13132	500826.9	3734432	2.127E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	3.92E-09	0.00E+00	0.00E+00	6.05E-09	3.20E-10	6.83E-10	0.00E+00	0.00E+00	1.00E-09
13133	500818	3734435	2.157E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	3.97E-09	0.00E+00	0.00E+00	6.13E-09	3.25E-10	6.93E-10	0.00E+00	0.00E+00	1.02E-09
13134	500809	3734439	2.186E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	4.03E-09	0.00E+00	0.00E+00	6.22E-09	3.29E-10	7.02E-10	0.00E+00	0.00E+00	1.03E-09
13135	500800.1	3734443	2.216E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	4.08E-09	0.00E+00	0.00E+00	6.30E-09	3.34E-10	7.12E-10	0.00E+00	0.00E+00	1.05E-09
13136	500791.1	3734446	2.247E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	4.14E-09	0.00E+00	0.00E+00	6.39E-09	3.38E-10	7.22E-10	0.00E+00	0.00E+00	1.06E-09
13137	500782.2	3734450	2.279E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	4.20E-09	0.00E+00	0.00E+00	6.48E-09	3.43E-10	7.32E-10	0.00E+00	0.00E+00	1.07E-09
13138	500773.2	3734454	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	4.26E-09	0.00E+00	0.00E+00	6.57E-09	3.48E-10	7.42E-10	0.00E+00	0.00E+00	1.09E-09
13139	500764.3	3734457	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	4.31E-09	0.00E+00	0.00E+00	6.65E-09	3.52E-10	7.51E-10	0.00E+00	0.00E+00	1.10E-09
13140	500755.3	3734461	2.37E-09	4.37E-09	0.00E+00	0.00E+00	6.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	4.37E-09	0.00E+00	0.00E+00	6.74E-09	3.57E-10	7.61E-10	0.00E+00	0.00E+00	1.12E-09
13141	500746.4	3734465	2.4E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	4.42E-09	0.00E+00	0.00E+00	6.82E-09	3.61E-10	7.71E-10	0.00E+00	0.00E+00	1.13E-09
13142	500737.5	3734468	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	4.48E-09	0.00E+00	0.00E+00	6.91E-09	3.66E-10	7.80E-10	0.00E+00	0.00E+00	1.15E-09
13143	500728.5	3734472	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	4.54E-09	0.00E+00	0.00E+00	7.00E-09	3.70E-10	7.90E-10	0.00E+00	0.00E+00	1.16E-09
13144	500719.6	3734476	2.491E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	4.59E-09	0.00E+00	0.00E+00	7.08E-09	3.75E-10	8.00E-10	0.00E+00	0.00E+00	1.17E-09
13145	500710.6	3734480	2.521E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	4.65E-09	0.00E+00	0.00E+00	7.17E-09	3.80E-10	8.09E-10	0.00E+00	0.00E+00	1.19E-09
13146	500701.7	3734483	2.551E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	4.70E-09	0.00E+00	0.00E+00	7.25E-09	3.84E-10	8.19E-10	0.00E+00	0.00E+00	1.20E-09
13147	500692.7	3734487	2.581E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	4.76E-09	0.00E+00	0.00E+00	7.34E-09	3.89E-10	8.29E-10	0.00E+00	0.00E+00	1.22E-09
13148	500683.8	3734491	2.611E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	4.81E-09	0.00E+00	0.00E+00	7.42E-09	3.93E-10	8.38E-10	0.00E+00	0.00E+00	1.23E-09
13149	500674.8	3734494	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09
13150	500665.9	3734498	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	4.92E-09	0.00E+00	0.00E+00	7.59E-09	4.02E-10	8.57E-10	0.00E+00	0.00E+00	1.26E-09
13151	500656.9	3734502	2.699E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	4.98E-09	0.00E+00	0.00E+00	7.67E-09	4.06E-10	8.67E-10	0.00E+00	0.00E+00	1.27E-09
13152	500648	3734505	2.729E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	5.03E-09	0.00E+00	0.00E+00	7.76E-09	4.11E-10	8.76E-10	0.00E+00	0.00E+00	1.29E-09
13153	500639	3734509	2.758E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.08E-09	0.00E+00	0.00E+00	7.84E-09	4.15E-10	8.86E-10	0.00E+00	0.00E+00	1.30E-09
13154	500630.1	3734513	2.787E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	5.14E-09	0.00E+00	0.00E+00	7.92E-09	4.20E-10	8.95E-10	0.00E+00	0.00E+00	1.31E-09
13155	500621.1	3734516	2.816E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	5.19E-09	0.00E+00	0.00E+00	8.01E-09	4.24E-10	9.04E-10	0.00E+00	0.00E+00	1.33E-09
13156	500495.9	3734568	3.184E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	5.87E-09	0.00E+00	0.00E+00	9.05E-09	4.79E-10	1.02E-09	0.00E+00	0.00E+00	1.50E-09
13157	500486.9	3734572	3.208E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	5.91E-09	0.00E+00	0.00E+00	9.12E-09	4.83E-10	1.03E-09	0.00E+00	0.00E+00	1.51E-09
13158	500478	3734575	3.232E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	5.96E-09	0.00E+00	0.00E+00	9.19E-09	4.87E-10	1.04E-09	0.00E+00	0.00E+00	1.52E-09
13159	500469	3734579	3.261E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	6.01E-09	0.00E+00	0.00E+00	9.27E-09	4.91E-10	1.05E-09	0.00E+00	0.00E+00	1.54E-09
13160	500460.1	3734583	3.284E-09	6.05E-09	0.00E+00	0.00E+00	9.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	6.05E-09	0.00E+00	0.00E+00	9.34E-09	4.94E-10	1.05E-09	0.00E+00	0.00E+00	1.55E-09
13161	500451.1	3734586	3.307E-09	6.10E-09	0.00E+00	0.00E+00	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	6.10E-09	0.00E+00	0.00E+00	9.40E-09	4.98E-10	1.06E-09	0.00E+00	0.00E+00	1.56E-09
13162	500442.2	3734590	3.329E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.14E-09	0.00E+00	0.00E+00	9.47E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
13163	500433.2	3734594	3.351E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	6.18E-09	0.00E+00	0.00E+00	9.53E-09	5.05E-10	1.08E-09	0.00E+00	0.00E+00	1.58E-09
13164	500424.3	3734598	3.373E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	6.22E-09	0.00E+00	0.00E+00	9.59E-09	5.08E-10	1.08E-09	0.00E+00	0.00E+00	1.59E-09
13165	500415.3	3734601	3.394E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	6.26E-09	0.00E+00	0.00E+00	9.65E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
13166	500406.4	3734605	3.414E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	6.29E-09	0.00E+00	0.00E+00	9.71E-09	5.14E-10	1.10E-09	0.00E+00	0.00E+00	1.61E-09
13167	500397.4	3734609	3.435E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	6.33E-09	0.00E+00	0.00E+00	9.77E-09	5.17E-10	1.10E-09	0.00E+00	0.00E+00	1.62E-09
13168	500388.5	3734612	3.455E-09	6.37E-09	0.00E+00	0.00E+00	9.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	6.37E-09	0.00E+00	0.00E+00	9.82E-09	5.20E-10	1.11E-09	0.00E+00	0.00E+00	1.63E-09
13169	500379.6	3734616	3.474E-09	6.40E-09	0.00E+00	0.00E+00	9.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	6.40E-09	0.00E+00	0.00E+00	9.88E-09	5.23E-10	1.12E-09	0.00E+00	0.00E+00	1.64E-09
13170	500370.6	3734620	3.494E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	6.44E-09	0.00E+00	0.00E+00	9.93E-09	5.26E-10	1.12E-09	0.00E+00	0.00E+00	1.65E-09
13171	500361.7	3734623	3.513E-09	6.47E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	6.47E-09	0.00E+00	0.00E+00	9.99E-09	5.29E-10	1.13E-09	0.00E+00	0.00E+00	1.66E-09
13172	500352.7	3734627	3.531E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	6.51E-09	0.00E+00	0.00E+00	1.00E-08	5.32E-10	1.13E-09	0.00E+00	0.00E+00	1.67E-09
13173	500343.8	3734631	3.549E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	6.54E-09	0.00E+00	0.00E+00	1.01E-08	5.34E-10	1.14E-09	0.00E+00	0.00E+00	1.67E-09
13174	500334.8	3734634	3.567E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	6.57E-09	0.00E+00	0.00E+00	1.01E-08	5.37E-10	1.15E-09	0.00E+00	0.00E+00	1.68E-09
13175	500325.9	3734638	3.584E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	6.61E-09	0.00E+00	0.00E+00	1.02E-08	5.40E-10	1.15E-09	0.00E+00	0.00E+00	1.69E-09
13176	500316.9	3734642	3.601E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	6.64E-09	0.00E+00	0.00E+00	1.02E-08	5.42E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
13177	500308	3734645	3.617E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	6.67E-09	0.00E+00	0.00E+00	1.03E-08	5.45E-10	1.16E-09	0.00E+00	0.00E+00	1.71E-09
13178	500299	3734649	3.633E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	6.70E-09	0.00E+00	0.00E+00	1.03E-08	5.47E-10	1.17E-09	0.00E+00	0.00E+00	1.71E-09
13179	500290.1	3734653	3.648E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	6.72E-09	0.00E+00	0.00E+00	1.04E-08	5.49E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
13180	500281.1	3734657	3.663E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	6.75E-09	0.00E+00	0.00E+00	1.04E-08	5.52E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
13181	500272.2	3734660	3.678E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	6.78E-09	0.00E+00	0.00E+00	1.05E-08	5.54E-10	1.18E-09	0.00E+00	0.00E+00	1.73E-09
13182	500263.2	3734664	3.692E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	6.81E-09	0.00E+00	0.00E+00	1.05E-08	5.56E-10	1.19E-09	0.00E+00	0.00E+00	1.74E-09
13183	500254.3	3734668	3.706E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	6.83E-09	0.00E+00	0.00E+00	1.05E-08	5.58E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
13184	500245.3	3734671	3.719E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	6.86E-09	0.00E+00	0.00E+00	1.06E-08	5.60E-10	1.19E-09	0.00E+00	0.00E+00	1.75E-09
13185	500236.4	3734675	3.732E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	6.88E-09	0.00E+00	0.00E+00	1.06E-08	5.62E-10	1.20E-09	0.00E+00	0.00E+00	1.76E-09
13186	500227.4	3734679	3.745E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
13187	500218.5	3734682	3.757E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	6.93E-09	0.00E+00	0.00E+00	1.07E-08	5.66E-10	1.21E-09	0.00E+00	0.00E+00	1.77E-09
13188	501343.9	3733545	8.529E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13189	501343.9	3733535	8.525E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13190	501343.9	3733525	8.523E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13191	501344	3733515	8.522E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13192	501344	3733506	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13193	501344	3733496	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13194	501344	3733486	8.522E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13195	501344	3733477	8.524E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13196	501344	3733467	8.528E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-10	1.57E-09	0.00E+00	0.00E+00	2.42E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.02E-10
13197	501344	3733457	8.534E-10	1.57E-09	0.00E+00	0.00E+00	2.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-10	1.57E-09	0.00E+00	0.00E+00	2.43E-09	1.28E-10	2.74E-10	0.00E+00	0.00E+00	4.03E-10
13198	501344	3733447	8.54E-10	1.57E-09	0.00E+00	0.00E+00	2.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-10	1.57E-09	0.00E+00	0.00E+00	2.43E-09	1.29E-10	2.74E-10	0.00E+00	0.00E+00	4.03E-10
13199	501344	3733438	8.548E-10	1.58E-09	0.00E+00	0.00E+00	2.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-10	1.58E-09	0.00E+00	0.00E+00	2.43E-09	1.29E-10	2.75E-10	0.00E+00	0.00E+00	4.03E-10
13200	501344	3733428	8.558E-10	1.58E-09	0.00E+00	0.00E+00	2.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-10	1.58E-09	0.00E+00	0.00E+00	2.43E-09	1.29E-10	2.75E-10	0.00E+00	0.00E+00	4.04E-10
13201	501344.1	3733418	8.569E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	1.29E-10	2.75E-10	0.00E+00	0.00E+00	4.04E-10
13202	501344.1	3733408	8.581E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	1.29E-10	2.76E-10	0.00E+00	0.00E+00	4.05E-10
13203	501344.1	3733399	8.594E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-10	1.58E-09	0.00E+00	0.00E+00	2.44E-09	1.29E-10	2.76E-10	0.00E+00	0.00E+00	4.05E-10
13204	501344.1	3733389	8.609E-10	1.59E-09	0.00E+00	0.00E+00	2.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-10	1.59E-09	0.00E+00	0.00E+00	2.45E-09	1.30E-10	2.76E-10	0.00E+00	0.00E+00	4.06E-10
13205	501344.1	3733379	8.626E-10	1.59E-09	0.00E+00	0.00E+00	2.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-10	1.59E-09	0.00E+00	0.00E+00	2.45E-09	1.30E-10	2.77E-10	0.00E+00	0.00E+00	4.07E-10
13206	501344.1	3733370	8.643E-10	1.59E-09	0.00E+00	0.00E+00	2.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-10	1.59E-09	0.00E+00	0.00E+00	2.46E-09	1.30E-10	2.78E-10	0.00E+00	0.00E+00	4.08E-10
13207	501344.1	3733360	8.662E-10	1.60E-09	0.00E+00	0.00E+00	2.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-10	1.60E-09	0.00E+00	0.00E+00	2.46E-09	1.30E-10	2.78E-10	0.00E+00	0.00E+00	4.09E-10
13208	501344.1	3733331	8.726E-10	1.61E-09	0.00E+00	0.00E+00	2.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-10	1.61E-09	0.00E+00	0.00E+00	2.48E-09	1.31E-10	2.80E-10	0.00E+00	0.00E+00	4.12E-10
13209	501344.2	3733321	8.75E-10	1.61E-09	0.00E+00	0.00E+00	2.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-10	1.61E-09	0.00E+00	0.00E+00	2.49E-09	1.32E-10	2.81E-10	0.00E+00	0.00E+00	4.13E-10
13210	501344.2	3733311	8.775E-10	1.62E-09	0.00E+00	0.00E+00	2.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-10	1.62E-09	0.00E+00	0.00E+00	2.49E-09	1.32E-10	2.82E-10	0.00E+00	0.00E+00	4.14E-10
13211	501344.2	3733301	8.801E-10	1.62E-09	0.00E+00	0.00E+00	2.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-10	1.62E-09	0.00E+00	0.00E+00	2.50E-09	1.33E-10	2.83E-10	0.00E+00	0.00E+00	4.15E-10
13212	501344.2	3733282	8.856E-10	1.63E-09	0.00E+00	0.00E+00	2.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-10	1.63E-09	0.00E+00	0.00E+00	2.52E-09	1.33E-10	2.84E-10	0.00E+00	0.00E+00	4.18E-10
13213	501344.2	3733272	8.886E-10	1.64E-09	0.00E+00	0.00E+00	2.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-10	1.64E-09	0.00E+00	0.00E+00	2.53E-09	1.34E-10	2.85E-10	0.00E+00	0.00E+00	4.19E-10
13214	501344.2	3733263	8.916E-10	1.64E-09	0.00E+00	0.00E+00	2.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-10	1.64E-09	0.00E+00	0.00E+00	2.53E-09	1.34E-10	2.86E-10	0.00E+00	0.00E+00	4.21E-10
13215	501344.2	3733253	8.947E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-10	1.65E-09	0.00E+00	0.00E+00	2.54E-09	1.35E-10	2.87E-10	0.00E+00	0.00E+00	4.22E-10
13216	501344.2	3733243	8.979E-10	1.66E-09	0.00E+00	0.00E+00	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-10	1.66E-09	0.00E+00	0.00E+00	2.55E-09	1.35E-10	2.88E-10	0.00E+00	0.00E+00	4.24E-10
13217	501344.2	3733233	9.012E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-10	1.66E-09	0.00E+00	0.00E+00	2.56E-09	1.36E-10	2.89E-10	0.00E+00	0.00E+00	4.25E-10
13218	501344.3	3733224	9.046E-10	1.67E-09	0.00E+00	0.00E+00	2.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-10	1.67E-09	0.00E+00	0.00E+00	2.57E-09	1.36E-10	2.91E-10	0.00E+00	0.00E+00	4.27E-10
13219	501344.3	3733214	9.081E-10	1.67E-09	0.00E+00	0.00E+00	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-10	1.67E-09	0.00E+00	0.00E+00	2.58E-09	1.37E-10	2.92E-10	0.00E+00	0.00E+00	4.28E-10
13220	501344.3	3733204	9.116E-10	1.68E-09	0.00E+00	0.00E+00	2.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-10	1.68E-09	0.00E+00	0.00E+00	2.59E-09	1.37E-10	2.93E-10	0.00E+00	0.00E+00	4.30E-10
13221	499793.2	3733260	3.477E-08	6.41E-08	0.00E+00	0.00E+00	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	6.41E-08	0.00E+00	0.00E+00	9.89E-08	5.24E-09	1.12E-08	0.00E+00	0.00E+00	1.64E-08
13222	499776.5	3733260	2.928E-08	5.40E-08	0.00E+00	0.00E+00	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-08	5.40E-08	0.00E+00	0.00E+00	8.33E-08	4.41E-09	9.40E-09	0.00E+00	0.00E+00	1.38E-08
13223	499751.5	3733258	2.323E-08	4.28E-08	0.00E+00	0.00E+00	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	4.28E-08	0.00E+00	0.00E+00	6.60E-08	3.50E-09	7.46E-09	0.00E+00	0.00E+00	1.10E-08
13224	499798	3733218	3.485E-08	6.42E-08	0.00E+00	0.00E+00	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-08	6.42E-08	0.00E+00	0.00E+00	9.91E-08	5.25E-09	1.12E-08	0.00E+00	0.00E+00	1.64E-08
13225	499777.7	3733219	2.802E-08	5.16E-08	0.00E+00	0.00E+00	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	5.16E-08	0.00E+00	0.00E+00	7.97E-08	4.22E-09	9.00E-09	0.00E+00	0.00E+00	1.32E-08
13226	499749.1	3733218	2.136E-08	3.94E-08	0.00E+00	0.00E+00	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.94E-08	0.00E+00	0.00E+00	6.07E-08	3.22E-09	6.86E-09	0.00E+00	0.00E+00	1.01E-08
13227	499789.6	3733178	2.973E-08	5.48E-08	0.00E+00	0.00E+00	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-08	5.48E-08	0.00E+00	0.00E+00	8.45E-08	4.48E-09	9.55E-09	0.00E+00	0.00E+00	1.40E-08
13228	499768.2	3733176	2.356E-08	4.34E-08	0.00E+00	0.00E+00	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	4.34E-08	0.00E+00	0.00E+00	6.70E-08	3.55E-09	7.56E-09	0.00E+00	0.00E+00	1.11E-08
13229	499751.5	3733176	2.012E-08	3.71E-08	0.00E+00	0.00E+00	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	3.71E-08	0.00E+00	0.00E+00	5.72E-08	3.03E-09	6.46E-09	0.00E+00	0.00E+00	9.49E-09
13230	499826.6	3733100	4.261E-08	7.85E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-08	7.85E-08	0.00E+00	0.00E+00	1.21E-07	6.42E-09	1.37E-08	0.00E+00	0.00E+00	2.01E-08
13231	499824.2	3733085	3.892E-08	7.17E-08	0.00E+00	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-08	7.17E-08	0.00E+00	0.00E+00	1.11E-07	5.86E-09	1.25E-08	0.00E+00	0.00E+00	1.84E-08
13232	499823	3733044	3.171E-08	5.85E-08	0.00E+00	0.00E+00	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-08	5.85E-08	0.00E+00	0.00E+00	9.02E-08	4.77E-09	1.02E-08	0.00E+00	0.00E+00	1.50E-08
13233	499823	3733026	2.853E-08	5.26E-08	0.00E+00	0.00E+00	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	5.26E-08	0.00E+00	0.00E+00	8.11E-08	4.30E-09	9.16E-09	0.00E+00	0.00E+00	1.35E-08
13234	499801.6	3732976	1.623E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.99E-08	0.00E+00	0.00E+00	4.61E-08	2.44E-09	5.21E-09	0.00E+00	0.00E+00	7.66E-09
13235	499788.5	3732967	1.401E-08	2.58E-08	0.00E+00	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	2.58E-08	0.00E+00	0.00E+00	3.98E-08	2.11E-09	4.50E-09	0.00E+00	0.00E+00	6.61E-09
13236	499761	3732958	1.116E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.06E-08	0.00E+00	0.00E+00	3.17E-08	1.68E-09	3.58E-09	0.00E+00	0.00E+00	5.27E-09
13237	499744.3	3732951	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	1.82E-08	0.00E+00	0.00E+00	2.81E-08	1.49E-09	3.17E-09	0.00E+00	0.00E+00	4.66E-09
13238	499783.7	3733028	1.731E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	3.19E-08	0.00E+00	0.00E+00	4.92E-08	2.61E-09	5.56E-09	0.00E+00	0.00E+00	8.17E-09
13239	499761	3733029	1.422E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	2.62E-08	0.00E+00	0.00E+00	4.04E-08	2.14E-09	4.57E-09	0.00E+00	0.00E+00	6.71E-09
13240	499738.4	3733029	1.203E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.22E-08	0.00E+00	0.00E+00	3.42E-08	1.81E-09	3.86E-09	0.00E+00	0.00E+00	5.67E-09
13241	499781.3	3733074	2.024E-08	3.73E-08	0.00E+00	0.00E+00	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	3.73E-08	0.00E+00	0.00E+00	5.75E-08	3.05E-09	6.50E-09	0.00E+00	0.00E+00	9.55E-09
13242	499761	3733074	1.657E-08	3.05E-08	0.00E+00	0.00E+00	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	3.05E-08	0.00E+00	0.00E+00	4.71E-08	2.49E-09	5.32E-09	0.00E+00	0.00E+00	7.81E-09
13243	499732.4	3733074	1.313E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.42E-08	0.00E+00	0.00E+00	3.73E-08	1.98E-09	4.22E-09	0.00E+00	0.00E+00	6.20E-09
13244	499685.9	3732952	7.375E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.36E-08	0.00E+00	0.00E+00	2.10E-08	1.11E-09	2.37E-09	0.00E+00	0.00E+00	3.48E-09
13245	499687.1	3732973	7.781E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-09	1.43E-08	0.00E+00	0.00E+00	2.21E-08	1.17E-09	2.50E-09	0.00E+00	0.00E+00	3.67E-09
13246	499687.1	3733000	8.258E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-09	1.52E-08	0.00E+00	0.00E+00	2.35E-08	1.24E-09	2.65E-09	0.00E+00	0.00E+00	3.90E-09
13247	499687.1	3733033	8.916E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.64E-08	0.00E+00	0.00E+00	2.53E-08	1.34E-09	2.86E-09	0.00E+00	0.00E+00	4.21E-09
13248	499688.3	3733053	9.407E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.42E-09	3.02E-09	0.00E+00	0.00E+00	4.44E-09
13249	499688.3	3733076	9.918E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-09	1.83E-08	0.00E+00	0.00E+00	2.82E-08	1.49E-09	3.19E-09	0.00E+00	0.00E+00	4.68E-09
13250	499696.6	3733167	1.285E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	2.37E-08	0.00E+00	0.00E+00	3.65E-08	1.93E-09	4.13E-09	0.00E+00	0.00E+00	6.06E-09
13251	499699	3733180	1.342E-08	2.47E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	2.47E-08	0.00E+00	0.00E+00	3.82E-08	2.02E-09	4.31E-09	0.00E+00	0.00E+00	6.33E-09
13252	499697.8	3733220	1.439E-08	2.65E-08	0.00E+00	0.00E+00	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.65E-08	0.00E+00	0.00E+00	4.09E-08	2.17E-09	4.62E-09	0.00E+00	0.00E+00	6.79E-09
13253	499697.8	3733236	1.479E-08	2.73E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	2.73E-08	0.00E+00	0.00E+00	4.20E-08	2.23E-09	4.75E-09	0.00E+00	0.00E+00	6.97E-09
13254	499697.8	3733258	1.534E-08	2.83E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-08	2.83E-08	0.00E+00	0.00E+00	4.36E-08	2.31E-09	4.93E-09	0.00E+00	0.00E+00	7.24E-09
13255	499639.4	3733264	1.075E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	1.98E-08	0.00E+00	0.00E+00	3.06E-08	1.62E-09	3.45E-09	0.00E+00	0.00E+00	5.07E-09
13256	499614.3	3733262	9.354E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-09	1.72E-08	0.00E+00	0.00E+00	2.66E-08	1.41E-09	3.00E-09	0.00E+00	0.00E+00	4.41E-09

13257	499638.2	3733241	1.029E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	1.90E-08	0.00E+00	0.00E+00	2.93E-08	1.55E-09	3.30E-09	0.00E+00	0.00E+00	4.85E-09
13258	499613.1	3733241	9.002E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-09	1.66E-08	0.00E+00	0.00E+00	2.56E-08	1.36E-09	2.89E-09	0.00E+00	0.00E+00	4.25E-09
13259	499635.8	3733214	9.728E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-09	1.79E-08	0.00E+00	0.00E+00	2.77E-08	1.46E-09	3.12E-09	0.00E+00	0.00E+00	4.59E-09
13260	499637	3733189	9.377E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	1.73E-08	0.00E+00	0.00E+00	2.67E-08	1.41E-09	3.01E-09	0.00E+00	0.00E+00	4.42E-09
13261	499614.3	3733184	8.275E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-09	1.53E-08	0.00E+00	0.00E+00	2.35E-08	1.25E-09	2.66E-09	0.00E+00	0.00E+00	3.90E-09
13262	499613.1	3733213	8.622E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	1.59E-08	0.00E+00	0.00E+00	2.45E-08	1.30E-09	2.77E-09	0.00E+00	0.00E+00	4.07E-09
13263	499617.9	3733085	7.077E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-09	1.30E-08	0.00E+00	0.00E+00	2.01E-08	1.07E-09	2.27E-09	0.00E+00	0.00E+00	3.34E-09
13264	499616.7	3733071	6.862E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.26E-08	0.00E+00	0.00E+00	1.95E-08	1.03E-09	2.20E-09	0.00E+00	0.00E+00	3.24E-09
13265	499615.5	3733046	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.20E-08	0.00E+00	0.00E+00	1.86E-08	9.83E-10	2.10E-09	0.00E+00	0.00E+00	3.08E-09
13266	499614.3	3733031	6.323E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.52E-10	2.03E-09	0.00E+00	0.00E+00	2.98E-09
13267	499614.3	3733008	6.076E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.12E-08	0.00E+00	0.00E+00	1.73E-08	9.15E-10	1.95E-09	0.00E+00	0.00E+00	2.87E-09
13268	499620.3	3732978	5.902E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.09E-08	0.00E+00	0.00E+00	1.68E-08	8.89E-10	1.90E-09	0.00E+00	0.00E+00	2.78E-09
13269	499622.7	3732942	5.589E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.03E-08	0.00E+00	0.00E+00	1.59E-08	8.42E-10	1.79E-09	0.00E+00	0.00E+00	2.64E-09
13270	499607.2	3732928	5.158E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	9.51E-09	0.00E+00	0.00E+00	1.47E-08	7.77E-10	1.66E-09	0.00E+00	0.00E+00	2.43E-09
13271	499573.8	3732942	4.714E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	8.69E-09	0.00E+00	0.00E+00	1.34E-08	7.10E-10	1.51E-09	0.00E+00	0.00E+00	2.22E-09
13272	499573.8	3732929	4.62E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	8.51E-09	0.00E+00	0.00E+00	1.31E-08	6.96E-10	1.48E-09	0.00E+00	0.00E+00	2.18E-09
13273	499539.2	3732927	4.134E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	7.62E-09	0.00E+00	0.00E+00	1.18E-08	6.22E-10	1.33E-09	0.00E+00	0.00E+00	1.95E-09
13274	499541.5	3732941	4.249E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	7.83E-09	0.00E+00	0.00E+00	1.21E-08	6.40E-10	1.36E-09	0.00E+00	0.00E+00	2.00E-09
13275	499511.7	3732941	3.888E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	7.17E-09	0.00E+00	0.00E+00	1.11E-08	5.85E-10	1.25E-09	0.00E+00	0.00E+00	1.83E-09
13276	499487.9	3732942	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
13277	499491.5	3732928	3.611E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.66E-09	0.00E+00	0.00E+00	1.03E-08	5.44E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
13278	499511.7	3732928	3.822E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	7.04E-09	0.00E+00	0.00E+00	1.09E-08	5.75E-10	1.23E-09	0.00E+00	0.00E+00	1.80E-09
13279	499436.6	3732935	3.152E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	5.81E-09	0.00E+00	0.00E+00	8.96E-09	4.75E-10	1.01E-09	0.00E+00	0.00E+00	1.49E-09
13280	499436.6	3733002	3.397E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	6.26E-09	0.00E+00	0.00E+00	9.66E-09	5.11E-10	1.09E-09	0.00E+00	0.00E+00	1.60E-09
13281	499436.6	3733089	3.745E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	6.90E-09	0.00E+00	0.00E+00	1.06E-08	5.64E-10	1.20E-09	0.00E+00	0.00E+00	1.77E-09
13282	499526	3733091	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	9.18E-09	0.00E+00	0.00E+00	1.42E-08	7.50E-10	1.60E-09	0.00E+00	0.00E+00	2.35E-09
13283	499523.7	3733142	5.286E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	7.96E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
13284	499435.4	3733149	3.987E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	7.35E-09	0.00E+00	0.00E+00	1.13E-08	6.00E-10	1.28E-09	0.00E+00	0.00E+00	1.88E-09
13285	499437.8	3733233	4.408E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	8.12E-09	0.00E+00	0.00E+00	1.25E-08	6.64E-10	1.42E-09	0.00E+00	0.00E+00	2.08E-09
13286	499483.1	3733258	5.287E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	9.74E-09	0.00E+00	0.00E+00	1.50E-08	7.96E-10	1.70E-09	0.00E+00	0.00E+00	2.49E-09
13287	499507	3733257	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.06E-08	0.00E+00	0.00E+00	1.64E-08	8.69E-10	1.85E-09	0.00E+00	0.00E+00	2.72E-09
13288	499530.8	3733257	6.338E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-09	1.17E-08	0.00E+00	0.00E+00	1.80E-08	9.54E-10	2.04E-09	0.00E+00	0.00E+00	2.99E-09
13289	499555.9	3733256	7.029E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.30E-08	0.00E+00	0.00E+00	2.00E-08	1.06E-09	2.26E-09	0.00E+00	0.00E+00	3.32E-09
13290	499638.2	3733158	8.923E-09	1.64E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-09	1.64E-08	0.00E+00	0.00E+00	2.54E-08	1.34E-09	2.87E-09	0.00E+00	0.00E+00	4.21E-09
13291	499616.7	3733158	8.005E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-09	1.48E-08	0.00E+00	0.00E+00	2.28E-08	1.21E-09	2.57E-09	0.00E+00	0.00E+00	3.78E-09
13292	499632.2	3732883	5.199E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	9.58E-09	0.00E+00	0.00E+00	1.48E-08	7.83E-10	1.67E-09	0.00E+00	0.00E+00	2.45E-09
13293	499658.4	3732890	5.789E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.07E-08	0.00E+00	0.00E+00	1.65E-08	8.72E-10	1.86E-09	0.00E+00	0.00E+00	2.73E-09
13294	499559.4	3732891	4.172E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	7.69E-09	0.00E+00	0.00E+00	1.19E-08	6.28E-10	1.34E-09	0.00E+00	0.00E+00	1.97E-09
13295	499473.6	3732891	3.291E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	6.07E-09	0.00E+00	0.00E+00	9.36E-09	4.95E-10	1.06E-09	0.00E+00	0.00E+00	1.55E-09
13296	499512.9	3732889	3.641E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	6.71E-09	0.00E+00	0.00E+00	1.04E-08	5.48E-10	1.17E-09	0.00E+00	0.00E+00	1.72E-09
13297	499490.3	3732865	3.326E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	6.13E-09	0.00E+00	0.00E+00	9.46E-09	5.01E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
13298	499584.5	3732859	4.283E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	7.89E-09	0.00E+00	0.00E+00	1.22E-08	6.45E-10	1.38E-09	0.00E+00	0.00E+00	2.02E-09
13299	499559.4	3732847	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	7.21E-09	0.00E+00	0.00E+00	1.11E-08	5.89E-10	1.26E-09	0.00E+00	0.00E+00	1.84E-09
13300	499535.6	3732836	3.607E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	6.65E-09	0.00E+00	0.00E+00	1.03E-08	5.43E-10	1.16E-09	0.00E+00	0.00E+00	1.70E-09
13301	499509.3	3732825	3.321E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	6.12E-09	0.00E+00	0.00E+00	9.44E-09	5.00E-10	1.07E-09	0.00E+00	0.00E+00	1.57E-09
13302	499484.3	3732814	3.075E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	5.67E-09	0.00E+00	0.00E+00	8.74E-09	4.63E-10	9.88E-10	0.00E+00	0.00E+00	1.45E-09
13303	499441.4	3732808	2.763E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	5.09E-09	0.00E+00	0.00E+00	7.85E-09	4.16E-10	8.87E-10	0.00E+00	0.00E+00	1.30E-09
13304	499411.5	3732812	2.6E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	4.79E-09	0.00E+00	0.00E+00	7.39E-09	3.92E-10	8.35E-10	0.00E+00	0.00E+00	1.23E-09
13305	499411.5	3732790	2.539E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	4.68E-09	0.00E+00	0.00E+00	7.22E-09	3.82E-10	8.15E-10	0.00E+00	0.00E+00	1.20E-09
13306	499428.2	3732793	2.641E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	4.87E-09	0.00E+00	0.00E+00	7.51E-09	3.98E-10	8.48E-10	0.00E+00	0.00E+00	1.25E-09

			UnMitigated		499	0	T2				T2L3				T4			
			495	500092.96	3733020.19													
			4.74E-03	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03	8.73E-03	0.00E+00	0.00E+00	7.13E-04	1.52E-03	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4
1	500234.3	3733193	3.38E-03	6.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	6.23E-03	0.00E+00	0.00E+00	5.09E-04	1.09E-03	0.00E+00	0.00E+00
2	500294.3	3733193	1.90E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.11E-04	0.00E+00	0.00E+00
3	500484.3	3733193	5.90E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.89E-05	1.90E-04	0.00E+00	0.00E+00
4	500514.3	3733193	5.14E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
5	500544.3	3733193	4.52E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
6	500574.3	3733193	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
7	500604.3	3733193	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
8	500634.3	3733193	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
9	500664.3	3733193	2.92E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
10	500694.3	3733193	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
11	500734.3	3733193	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
12	500774.3	3733193	2.11E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
13	500814.3	3733193	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
14	500854.3	3733193	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
15	500894.3	3733193	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
16	500934.3	3733193	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
17	500974.3	3733193	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
18	501054.3	3733193	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
19	501094.3	3733193	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
20	501130	3733193	9.82E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
21	501165.7	3733193	9.27E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
22	501201.4	3733193	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
23	501272.9	3733193	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
24	501308.6	3733193	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
25	501344.3	3733193	7.09E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
26	500232.2	3733179	3.40E-03	6.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	6.26E-03	0.00E+00	0.00E+00	5.11E-04	1.09E-03	0.00E+00	0.00E+00
27	500252.2	3733179	2.75E-03	5.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03	5.06E-03	0.00E+00	0.00E+00	4.14E-04	8.82E-04	0.00E+00	0.00E+00
28	500343.9	3733135	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.32E-04	0.00E+00	0.00E+00
29	500366	3733141	1.17E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
30	500362.9	3733128	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
31	500385	3733135	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
32	500387.1	3733147	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
33	500381.9	3733122	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
34	500413.4	3733125	9.05E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
35	500415.4	3733137	8.87E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
36	500417.4	3733149	8.69E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
37	500419.3	3733161	8.50E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
38	500410.3	3733113	9.28E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
39	500441.9	3733116	7.86E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
40	500444	3733128	7.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
41	500446	3733141	7.53E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
42	500448.1	3733154	7.36E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
43	500450.2	3733166	7.19E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
44	500452.2	3733179	7.02E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
45	500438.8	3733103	8.07E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
46	500470.3	3733106	6.90E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
47	500472.3	3733118	6.76E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
48	500474.3	3733131	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
49	500476.3	3733143	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.75E-05	2.08E-04	0.00E+00	0.00E+00
50	500478.3	3733155	6.33E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
51	500480.3	3733167	6.19E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
52	500482.3	3733180	6.05E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
53	500467.2	3733094	7.08E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.30E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
54	500498.8	3733097	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
55	500500.9	3733109	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
56	500502.9	3733122	5.84E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
57	500505	3733135	5.71E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.84E-04	0.00E+00	0.00E+00
58	500507.1	3733147	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
59	500509.1	3733160	5.46E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.22E-05	1.75E-04	0.00E+00	0.00E+00
60	500511.2	3733173	5.33E-04	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
61	500495.7	3733084	6.26E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
62	500527.3	3733087	5.44E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
63	500529.4	3733100	5.32E-04	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.81E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
64	500531.5	3733113	5.21E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
65	500533.7	3733127	5.09E-04	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
66	500535.8	3733140	4.97E-04	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
67	500537.9	3733153	4.86E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
68	500540	3733166	4.75E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
69	500542.2	3733179	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
70	500524.1	3733075	5.58E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
71	500555.7	3733078	4.89E-04	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
72	500557.8	3733090	4.78E-04	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.82E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
73	500559.8	3733103	4.68E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
74	500561.9	3733116	4.58E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
75	500564	3733128	4.48E-04	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
76	500566	3733141	4.38E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
77	500568.1	3733154	4.29E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
78	500570.2	3733166	4.20E-04	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
79	500572.2	3733179	4.10E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
80	500552.6	3733065	5.01E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
81	500584.2	3733068	4.41E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
82	500586.3	3733081	4.32E-04	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.95E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
83	500588.4	3733094	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
84	500590.5	3733107	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
85	500592.6	3733120	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
86	500594.8	3733133	3.95E-04	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.29E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
87	500596.9	3733146	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
88	500599	3733159	3.79E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
89	500601.1	3733172	3.70E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
90	500581	3733056	4.52E-04	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
91	500612.6	3733059	4.00E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
92	500614.7	3733071	3.92E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
93	500616.7	3733084	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
94	500618.8	3733097	3.76E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
95	500620.9	3733109	3.69E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.79E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
96	500622.9	3733122	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
97	500625	3733135	3.54E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
98	500627.1	3733147	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
99	500629.1	3733160	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
100	500631.2	3733173	3.32E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
101	500609.5	3733046	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
102	500641.1	3733049	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
103	500643.2	3733062	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
104	500645.3	3733075	3.51E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
105	500647.4	3733088	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
106	500649.5	3733101	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
107	500651.6	3733114	3.30E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
108	500653.7	3733127	3.23E-04	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00

109	500655.8	3733140	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
110	500658	3733153	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
111	500660.1	3733166	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
112	500662.2	3733179	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
113	500637.9	3733036	3.74E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
114	500669.5	3733040	3.35E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
115	500671.6	3733052	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
116	500673.6	3733065	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
117	500675.7	3733078	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
118	500677.8	3733090	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.95E-05	0.00E+00	0.00E+00
119	500679.8	3733103	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
120	500681.9	3733116	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
121	500684	3733128	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
122	500686	3733141	2.86E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.20E-05	0.00E+00	0.00E+00
123	500688.1	3733154	2.81E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
124	500690.2	3733166	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
125	500692.2	3733179	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
126	500666.4	3733027	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
127	500707.4	3733027	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
128	500709.5	3733040	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
129	500711.6	3733052	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
130	500713.6	3733065	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
131	500715.7	3733078	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
132	500717.8	3733090	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
133	500719.8	3733103	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
134	500721.9	3733116	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
135	500724	3733128	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
136	500726	3733141	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
137	500728.1	3733154	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
138	500730.2	3733166	2.44E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
139	500732.2	3733179	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
140	500704.3	3733014	3.07E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
141	500745.4	3733014	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
142	500747.4	3733027	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
143	500749.5	3733040	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
144	500751.6	3733052	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
145	500753.6	3733065	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
146	500755.7	3733078	2.47E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
147	500757.8	3733090	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
148	500759.8	3733103	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
149	500761.9	3733116	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.52E-05	7.52E-05	0.00E+00	0.00E+00
150	500764	3733128	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.39E-05	0.00E+00	0.00E+00
151	500766	3733141	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
152	500768.1	3733154	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
153	500770.2	3733166	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
154	500772.2	3733179	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
155	500742.2	3733002	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
156	500783.3	3733002	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
157	500785.4	3733014	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
158	500787.4	3733027	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
159	500789.5	3733040	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
160	500791.6	3733052	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
161	500793.6	3733065	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.22E-05	0.00E+00	0.00E+00
162	500795.7	3733078	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
163	500797.8	3733090	2.17E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
164	500799.8	3733103	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
165	500801.9	3733116	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
166	500804	3733128	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
167	500806	3733141	2.03E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
168	500808.1	3733154	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
169	500810.2	3733166	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
170	500812.2	3733179	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
171	500780.2	3732989	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
172	500821.2	3732989	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
173	500823.3	3733002	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
174	500825.4	3733014	2.17E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
175	500827.4	3733027	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
176	500829.5	3733040	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
177	500831.6	3733052	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
178	500833.6	3733065	1.97E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
179	500835.7	3733078	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
180	500837.8	3733090	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
181	500839.8	3733103	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
182	500841.9	3733116	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
183	500844	3733128	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
184	500846	3733141	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
185	500848.1	3733154	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
186	500850.2	3733166	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
187	500852.2	3733179	1.72E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
188	500818.1	3732976	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
189	500859.2	3732976	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.39E-05	0.00E+00	0.00E+00
190	500861.3	3732989	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.28E-05	0.00E+00	0.00E+00
191	500863.5	3733002	1.92E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
192	500865.6	3733016	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
193	500867.7	3733029	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
194	500869.8	3733042	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
195	500872	3733055	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
196	500874.1	3733068	1.77E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
197	500876.2	3733081	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
198	500878.3	3733094	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
199	500880.5	3733107	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
200	500882.6	3733120	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
201	500884.7	3733133	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
202	500886.8	3733146	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
203	500889	3733159	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
204	500891.1	3733172	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
205	500899.3	3732977	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
206	500901.4	3732990	1.77E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
207	500903.5	3733003	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
208	500905.6	3733016	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
209	500907.8	3733029	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
210	500909.9	3733042	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
211	500912	3733055	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
212	500914.1	3733068	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
213	500916.2	3733081	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
214	500918.4	3733094	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
215	500920.5	3733107	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
216	500922.6	3733120	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
217	500924.7	3733133	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
218	500926.9	3733146	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
219	500929	3733159	1.46E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
220	500931.1	3733172	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.64E-05	0.00E+00	0.00E+00

221	500939.3	3732977	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
222	500941.4	3732990	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
223	500943.6	3733003	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
224	500945.7	3733016	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
225	500947.8	3733029	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
226	500949.9	3733042	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
227	500952	3733055	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
228	500954.2	3733068	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
229	500956.3	3733081	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
230	500958.4	3733094	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
231	500960.5	3733107	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
232	500962.6	3733120	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
233	500964.7	3733133	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
234	500966.9	3733146	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
235	500969	3733159	1.35E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
236	500971.1	3733172	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
237	500979.4	3732977	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
238	500981.5	3732990	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
239	500983.6	3733003	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
240	500985.7	3733016	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
241	500987.8	3733029	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
242	500989.9	3733042	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
243	500992.1	3733055	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
244	500994.2	3733068	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
245	500996.3	3733081	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
246	500998.4	3733094	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
247	501000.5	3733107	1.30E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.41E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
248	501002.6	3733120	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
249	500969.9	3732925	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
250	501021.5	3732991	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
251	501023.6	3733004	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
252	501025.7	3733016	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
253	501027.9	3733029	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
254	501030	3733042	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
255	501032.1	3733055	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
256	501036.3	3733081	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
257	501038.4	3733094	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
258	501040.5	3733107	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.87E-05	0.00E+00	0.00E+00
259	501042.7	3733120	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.79E-05	3.83E-05	0.00E+00	0.00E+00
260	501044.8	3733133	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
261	501046.9	3733146	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
262	501049	3733159	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
263	501048.9	3732913	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
264	501051	3732926	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
265	501053.1	3732939	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
266	501057.3	3732965	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
267	501059.4	3732978	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
268	501061.6	3732991	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
269	501072.1	3733056	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
270	501076.3	3733082	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
271	501078.4	3733095	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
272	501080.6	3733107	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
273	501084.8	3733133	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
274	501086.9	3733146	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
275	501089	3733159	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
276	501045.7	3732900	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
277	501082.7	3732902	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
278	501084.8	3732914	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
279	501086.9	3732927	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.00E-05	0.00E+00	0.00E+00
280	501093.2	3732966	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
281	501095.3	3732979	1.19E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.81E-05	0.00E+00	0.00E+00
282	501097.4	3732992	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
283	501101.6	3733018	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
284	501103.7	3733031	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
285	501105.8	3733043	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
286	501107.9	3733056	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
287	501112.1	3733082	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
288	501114.2	3733095	1.06E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
289	501116.3	3733108	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
290	501120.5	3733134	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
291	501122.6	3733147	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
292	501124.7	3733160	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
293	501079.6	3732889	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
294	501116.6	3732890	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
295	501118.7	3732903	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
296	501120.8	3732916	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
297	501122.9	3732929	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
298	501129.1	3732967	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
299	501131.2	3732980	1.11E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
300	501133.3	3732993	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
301	501137.5	3733019	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
302	501139.6	3733031	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
303	501141.7	3733044	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
304	501143.8	3733057	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
305	501148	3733083	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
306	501150	3733096	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
307	501152.1	3733108	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
308	501156.3	3733134	9.70E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
309	501158.4	3733147	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
310	501160.5	3733160	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
311	501162.6	3733173	9.41E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
312	501113.5	3732877	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
313	501150.5	3732879	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
314	501152.6	3732892	1.13E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
315	501154.7	3732905	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
316	501156.9	3732918	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
317	501159	3732931	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
318	501165.4	3732970	1.05E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
319	501167.5	3732983	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
320	501169.6	3732996	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
321	501173.8	3733022	9.99E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
322	501176	3733035	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
323	501178.1	3733048	9.77E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
324	501182.3	3733074	9.56E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
325	501184.5	3733088	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
326	501186.6	3733101	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
327	501188.7	3733114	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.98E-05	0.00E+00	0.00E+00
328	501197.2	3733166	8.90E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
329	501147.3	3732866	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
330	501184.4	3732868	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
331	501186.5	3732881	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.42E-05	0.00E+00	0.00E+00
332	501188.6	3732894	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00

333	501190.7	3732906	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
334	501192.8	3732919	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
335	501194.9	3732932	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
336	501201.3	3732971	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
337	501203.4	3732984	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
338	501205.5	3732997	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
339	501209.7	3733023	9.41E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
340	501211.8	3733036	9.31E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
341	501213.9	3733049	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
342	501222.4	3733101	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
343	501224.5	3733114	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
344	501226.6	3733127	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
345	501228.7	3733140	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
346	501230.8	3733153	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
347	501232.9	3733166	8.43E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
348	501235	3733179	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
349	501181.2	3732855	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
350	501218.2	3732856	1.02E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
351	501220.3	3732869	1.01E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.25E-05	0.00E+00	0.00E+00
352	501222.4	3732882	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
353	501224.5	3732895	9.90E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
354	501226.6	3732908	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
355	501228.7	3732921	9.68E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
356	501230.8	3732934	9.58E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
357	501239.2	3732985	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
358	501241.3	3732998	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
359	501243.4	3733011	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.89E-05	0.00E+00	0.00E+00
360	501245.5	3733024	8.89E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
361	501247.6	3733037	8.80E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
362	501249.7	3733050	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
363	501251.8	3733063	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
364	501258.1	3733101	8.38E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
365	501260.3	3733114	8.30E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
366	501266.6	3733153	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
367	501268.7	3733166	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
368	501270.8	3733179	7.93E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
369	501215.1	3732843	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
370	501252.1	3732845	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
371	501254.2	3732858	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
372	501256.3	3732871	9.54E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.06E-05	0.00E+00	0.00E+00
373	501258.4	3732883	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
374	501260.5	3732896	9.33E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	3.00E-05	0.00E+00	0.00E+00
375	501262.6	3732909	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
376	501264.6	3732922	9.13E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	1.68E-04	0.00E+00	0.00E+00	1.38E-05	2.93E-05	0.00E+00	0.00E+00
377	501266.7	3732935	9.04E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
378	501270.9	3732961	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
379	501273	3732973	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
380	501275.1	3732986	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.78E-05	0.00E+00	0.00E+00
381	501277.2	3732999	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
382	501291.8	3733089	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
383	501293.9	3733102	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
384	501296	3733115	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
385	501298.1	3733128	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
386	501300.2	3733140	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
387	501302.3	3733153	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
388	501304.4	3733166	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
389	501306.5	3733179	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
390	501249	3732832	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
391	501286	3732834	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
392	501288.1	3732847	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
393	501290.2	3732860	9.09E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
394	501292.3	3732873	8.99E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.89E-05	0.00E+00	0.00E+00
395	501294.5	3732886	8.90E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
396	501296.6	3732899	8.80E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
397	501298.7	3732912	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
398	501300.8	3732925	8.62E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
399	501302.9	3732938	8.53E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
400	501307.2	3732964	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
401	501309.3	3732977	8.28E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
402	501311.4	3732990	8.20E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
403	501313.5	3733003	8.11E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
404	501315.7	3733016	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
405	501317.8	3733029	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
406	501319.9	3733042	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
407	501322	3733055	7.80E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
408	501324.1	3733068	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
409	501326.3	3733081	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
410	501328.4	3733094	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
411	501330.5	3733107	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
412	501332.6	3733120	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
413	501334.7	3733133	7.37E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
414	501336.9	3733146	7.31E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
415	501339	3733159	7.24E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
416	501341.1	3733172	7.18E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	1.32E-04	0.00E+00	0.00E+00	1.08E-05	2.31E-05	0.00E+00	0.00E+00
417	501282.8	3732821	9.40E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
418	500229.2	3733169	3.46E-03	6.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	6.37E-03	0.00E+00	0.00E+00	5.20E-04	1.11E-03	0.00E+00	0.00E+00
419	501024.7	3732970	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
420	501201.7	3732924	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
421	501236.3	3732915	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
422	501269.1	3732899	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
423	501303.7	3732890	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
424	500342	3733120	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
425	500361.7	3733117	1.21E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
426	500915.8	3733034	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
427	500956.6	3733035	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
428	500994.6	3733020	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
429	501035.4	3733021	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
430	501032.5	3733005	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
431	501071.9	3732998	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
432	501107.1	3732992	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
433	501142.2	3732986	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
434	501180.2	3732995	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
435	501177.4	3732979	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
436	501215.4	3732989	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
437	501212.5	3732973	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
438	501250.6	3732983	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
439	501247.7	3732967	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
440	501285.7	3732977	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
441	501282.9	3732960	8.69E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
442	501320.9	3732970	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
443	500323.8	3733120	1.53E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.83E-03	0.00E+00	0.00E+00	2.31E-04	4.93E-04	0.00E+00	0.00E+00
444	500440.7	3733164	7.57E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00

445	500470.4	3733168	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
446	500500	3733173	5.61E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
447	500529.7	3733178	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
448	500559.3	3733182	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
449	500562.6	3733161	4.35E-04	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
450	500589	3733187	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
451	500591.2	3733173	3.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
452	500618.6	3733191	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
453	500620.8	3733177	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
454	500648.3	3733196	3.06E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
455	500650.5	3733182	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
456	500677.9	3733201	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
457	500680.1	3733186	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
458	500717.4	3733207	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.86E-05	0.00E+00	0.00E+00
459	500719.6	3733193	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
460	500757	3733213	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
461	500759.2	3733199	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
462	500796.5	3733219	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
463	500798.7	3733205	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
464	500836	3733225	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
465	500838.2	3733211	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
466	500875.5	3733231	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
467	500877.8	3733217	1.58E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
468	500915.1	3733237	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
469	500917.3	3733223	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
470	500954.6	3733244	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
471	500956.8	3733229	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
472	500994.1	3733250	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
473	500996.3	3733235	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
474	501033.6	3733256	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
475	501035.9	3733242	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
476	501108.5	3733267	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
477	501110.7	3733253	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
478	501143.8	3733273	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
479	501146	3733259	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
480	501214.3	3733284	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
481	501216.6	3733270	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.66E-05	0.00E+00	0.00E+00
482	501251.8	3733275	7.84E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
483	501287.1	3733281	7.43E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
484	501320.2	3733300	7.04E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.26E-05	0.00E+00	0.00E+00
485	500184.2	3733058	3.97E-03	7.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03	7.31E-03	0.00E+00	0.00E+00	5.97E-04	1.27E-03	0.00E+00	0.00E+00
486	500175.1	3733054	4.15E-03	7.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-03	7.66E-03	0.00E+00	0.00E+00	6.26E-04	1.33E-03	0.00E+00	0.00E+00
487	500166	3733051	4.31E-03	7.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-03	7.95E-03	0.00E+00	0.00E+00	6.49E-04	1.39E-03	0.00E+00	0.00E+00
488	500156.8	3733047	4.44E-03	8.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-03	8.18E-03	0.00E+00	0.00E+00	6.68E-04	1.43E-03	0.00E+00	0.00E+00
489	500147.7	3733043	4.53E-03	8.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03	8.36E-03	0.00E+00	0.00E+00	6.83E-04	1.46E-03	0.00E+00	0.00E+00
490	500138.6	3733039	4.61E-03	8.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03	8.49E-03	0.00E+00	0.00E+00	6.94E-04	1.48E-03	0.00E+00	0.00E+00
491	500129.5	3733035	4.66E-03	8.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-03	8.59E-03	0.00E+00	0.00E+00	7.02E-04	1.50E-03	0.00E+00	0.00E+00
492	500120.3	3733032	4.70E-03	8.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-03	8.66E-03	0.00E+00	0.00E+00	7.07E-04	1.51E-03	0.00E+00	0.00E+00
493	500111.2	3733028	4.72E-03	8.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-03	8.71E-03	0.00E+00	0.00E+00	7.11E-04	1.52E-03	0.00E+00	0.00E+00
494	500102.1	3733024	4.74E-03	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03	8.73E-03	0.00E+00	0.00E+00	7.13E-04	1.52E-03	0.00E+00	0.00E+00
495	500093	3733020	4.74E-03	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-03	8.73E-03	0.00E+00	0.00E+00	7.13E-04	1.52E-03	0.00E+00	0.00E+00
496	500083.8	3733016	4.73E-03	8.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-03	8.72E-03	0.00E+00	0.00E+00	7.12E-04	1.52E-03	0.00E+00	0.00E+00
497	500074.7	3733013	4.71E-03	8.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-03	8.69E-03	0.00E+00	0.00E+00	7.10E-04	1.51E-03	0.00E+00	0.00E+00
498	500065.6	3733009	4.69E-03	8.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-03	8.64E-03	0.00E+00	0.00E+00	7.06E-04	1.51E-03	0.00E+00	0.00E+00
499	500056.5	3733005	4.66E-03	8.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-03	8.59E-03	0.00E+00	0.00E+00	7.01E-04	1.50E-03	0.00E+00	0.00E+00
500	500047.3	3733001	4.62E-03	8.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-03	8.51E-03	0.00E+00	0.00E+00	6.95E-04	1.48E-03	0.00E+00	0.00E+00
501	500038.2	3732997	4.57E-03	8.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-03	8.43E-03	0.00E+00	0.00E+00	6.88E-04	1.47E-03	0.00E+00	0.00E+00
502	500029.1	3732994	4.52E-03	8.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03	8.32E-03	0.00E+00	0.00E+00	6.80E-04	1.45E-03	0.00E+00	0.00E+00
503	500020	3732990	4.45E-03	8.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-03	8.21E-03	0.00E+00	0.00E+00	6.71E-04	1.43E-03	0.00E+00	0.00E+00
504	500010.8	3732986	4.38E-03	8.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-03	8.08E-03	0.00E+00	0.00E+00	6.60E-04	1.41E-03	0.00E+00	0.00E+00
505	500001.7	3732982	4.30E-03	7.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-03	7.93E-03	0.00E+00	0.00E+00	6.48E-04	1.38E-03	0.00E+00	0.00E+00
506	499992.6	3732978	4.22E-03	7.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-03	7.77E-03	0.00E+00	0.00E+00	6.35E-04	1.35E-03	0.00E+00	0.00E+00
507	499983.5	3732975	4.12E-03	7.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-03	7.59E-03	0.00E+00	0.00E+00	6.20E-04	1.32E-03	0.00E+00	0.00E+00
508	499974.3	3732971	4.01E-03	7.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-03	7.39E-03	0.00E+00	0.00E+00	6.04E-04	1.29E-03	0.00E+00	0.00E+00
509	499965.2	3732967	3.89E-03	7.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03	7.17E-03	0.00E+00	0.00E+00	5.86E-04	1.25E-03	0.00E+00	0.00E+00
510	500224.8	3733060	2.89E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	5.33E-03	0.00E+00	0.00E+00	4.35E-04	9.29E-04	0.00E+00	0.00E+00
511	500232.1	3733067	2.78E-03	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	5.12E-03	0.00E+00	0.00E+00	4.18E-04	8.92E-04	0.00E+00	0.00E+00
512	500241.2	3733083	2.66E-03	4.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	4.91E-03	0.00E+00	0.00E+00	4.01E-04	8.56E-04	0.00E+00	0.00E+00
513	500191.9	3733040	3.40E-03	6.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	6.27E-03	0.00E+00	0.00E+00	5.12E-04	1.09E-03	0.00E+00	0.00E+00
514	500182.8	3733036	3.54E-03	6.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.52E-03	0.00E+00	0.00E+00	5.32E-04	1.14E-03	0.00E+00	0.00E+00
515	500173.6	3733032	3.65E-03	6.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-03	6.73E-03	0.00E+00	0.00E+00	5.50E-04	1.17E-03	0.00E+00	0.00E+00
516	500164.5	3733028	3.75E-03	6.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-03	6.91E-03	0.00E+00	0.00E+00	5.64E-04	1.20E-03	0.00E+00	0.00E+00
517	500155.4	3733024	3.83E-03	7.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-03	7.05E-03	0.00E+00	0.00E+00	5.76E-04	1.23E-03	0.00E+00	0.00E+00
518	500146.3	3733021	3.89E-03	7.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03	7.17E-03	0.00E+00	0.00E+00	5.86E-04	1.25E-03	0.00E+00	0.00E+00
519	500137.1	3733017	3.94E-03	7.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-03	7.25E-03	0.00E+00	0.00E+00	5.93E-04	1.26E-03	0.00E+00	0.00E+00
520	500128	3733013	3.97E-03	7.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03	7.32E-03	0.00E+00	0.00E+00	5.98E-04	1.27E-03	0.00E+00	0.00E+00
521	500118.9	3733009	3.99E-03	7.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03	7.36E-03	0.00E+00	0.00E+00	6.01E-04	1.28E-03	0.00E+00	0.00E+00
522	500109.8	3733006	4.00E-03	7.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	7.38E-03	0.00E+00	0.00E+00	6.03E-04	1.29E-03	0.00E+00	0.00E+00
523	500100.6	3733002	4.01E-03	7.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-03	7.38E-03	0.00E+00	0.00E+00	6.03E-04	1.29E-03	0.00E+00	0.00E+00
524	500091.5	3732998	4.00E-03	7.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	7.37E-03	0.00E+00	0.00E+00	6.02E-04	1.28E-03	0.00E+00	0.00E+00
525	500082.4	3732994	3.99E-03	7.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-03	7.35E-03	0.00E+00	0.00E+00	6.00E-04	1.28E-03	0.00E+00	0.00E+00
526	500073.3	3732990	3.96E-03	7.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-03	7.31E-03	0.00E+00	0.00E+00	5.97E-04	1.27E-03	0.00E+00	0.00E+00
527	500064.1	3732987	3.94E-03	7.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-03	7.26E-03	0.00E+00	0.00E+00	5.93E-04	1.26E-03	0.00E+00	0.00E+00
528	500055	3732983	3.90E-03	7.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	7.19E-03	0.00E+00	0.00E+00	5.87E-04	1.25E-03	0.00E+00	0.00E+00
529	500045.9	3732979	3.86E-03	7.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-03	7.11E-03	0.00E+00	0.00E+00	5.81E-04	1.24E-03	0.00E+00	0.00E+00
530	500036.8	3732975	3.81E-03	7.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03	7.02E-03	0.00E+00	0.00E+00	5.73E-04	1.22E-03	0.00E+00	0.00E+00
531	500027.6	3732971	3.75E-03	6.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-03	6.92E-03	0.00E+00	0.00E+00	5.65E-04	1.21E-03	0.00E+00	0.00E+00
532	500018.5	3732968	3.69E-03	6.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03	6.80E-03	0.00E+00	0.00E+00	5.55E-04	1.18E-03	0.00E+00	0.00E+00
533	500009.4	3732964	3.62E-03	6.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-03	6.67E-03	0.00E+00	0.00E+00	5.45E-04	1.16E-03	0.00E+00	0.00E+00
534	500000.2	3732960	3.54E-03	6.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.52E-03	0.00E+00	0.00E+00	5.33E-04	1.14E-03	0.00E+00	0.00E+00
535	499991.1	3732956	3.45E-03	6.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	6.36E-03	0.00E+00	0.00E+00	5.20E-04	1.11E-03	0.00E+00	0.00E+00
536	499982	3732952	3.36E-03	6.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03	6.18E-03	0.00E+00	0.00E+00	5.05E-04	1.08E-03	0.00E+00	0.00E+00
537	499927.2	3732930	2.56E-03	4.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	4.71E-03	0.00E+00	0.00E+00	3.85E-04	8.21E-04	0.00E+00	0.00E+00
538	499918.1	3732926	2.38E-03	4.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	4.40E-03	0.00E+00	0.00E+00	3.59E-04	7.66E-04	0.00E+00	0.00E+00
539	499909	3732922	2.21E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.07E-03	0.00E+00	0.00E+00	3.32E-04	7.09E-04	0.00E+00	0.00E+00
540	499899.9	3732918	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.06E-04	6.52E-04	0.00E+00	0.00E+00
541	499890.7	3732915	1.86E-03	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.42E-03	0.00E+00	0.00E+00	2.80E-04	5.97E-04	0.00E+00	0.00E+00
542	499881.6	3732911	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.44E-04	0.00E+00	0.00E+00
543	499872.5	3732907	1.54E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.85E-03	0.00E+00	0.00E+00	2.33E-04	4.96E-04	0.00E+00	0.00E+00
544	500224.3	3733035	2.70E-03	4.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.98E-03	0.00E+00	0.00E+00	4.07E-04	8.68E-04	0.00E+00	0.00E+00
545	500237.4	3733046	2.56E-03	4.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	4.71E-03	0.00E+00	0.00E+00	3.85E-04	8.21E-04	0.00E+00	0.00E+00
546	500250.4	3733058	2.39E-03	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	4.41E-03	0.00E+00	0.00E+00	3.60E-04	7.68E-04	0.00E+00	0.00E+00
547	500258.4	3733072	2.31E-03	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.26E-03	0.00E+00	0.00E+00	3.48E-04	7.42E-04	0.00E+00	0.00E+00
548	500261.5	3733089	2.31E-03	4.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.25E-03	0.00E+00	0.00E+00	3.47E-04	7.41E-04	0.00E+00	0.00E+00
549	500190.4	3733017	3.09E-03	5.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-03	5.70E-03	0.00E+00	0.00E+00	4.66E-04	9.94E-04	0.00E+00	0.00E+00
550	500181.3	3733014	3.18E-03	5.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03	5.87E-03	0.00E+00	0.00E+00	4.79E-04	1.02E-03	0.00E+00	0.00E+00
551	500172.2	3733010	3.26E-03	6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	6.01E-03	0.00E+00	0.00E+00	4.91E-04	1.05E-03	0.00E+00	0.00E+00
552	500163.1	3733006	3.32E-03	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03	6.13E-03	0.00E+00	0.00E+00	5.01E-04	1.07E-03	0.00E+00	0.00E+00
553	500153.9	3733002	3.38E-03	6.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	6.22E-03	0.00E+00	0.00E+00	5.08E-04	1.08E-03	0.00E+00	0.00E+00
554	500144.8	3732998	3.42E-03	6.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	6.30E-03	0.00E+00	0.00E+00	5.14E-04	1.10E-03	0.00E+00	0.00E+00
555	500135.7	3732995	3.45E-03	6.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	6.35E-03	0.00E+00	0.00E+00	5.19E-04	1.11E-03	0.00E+00	0.00E+00
556	500126.6	3732991	3.47E-03	6.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	6.39E-03	0.00E+00	0.00E+00	5.22E-04	1.11E-03	0.00E+00	0.00E+00

557	500117.4	3732987	3.48E-03	6.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	6.41E-03	0.00E+00	0.00E+00	5.23E-04	1.12E-03	0.00E+00	0.00E+00
558	500108.3	3732983	3.48E-03	6.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	6.41E-03	0.00E+00	0.00E+00	5.24E-04	1.12E-03	0.00E+00	0.00E+00
559	500099.2	3732979	3.47E-03	6.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	6.40E-03	0.00E+00	0.00E+00	5.23E-04	1.12E-03	0.00E+00	0.00E+00
560	500090.1	3732976	3.46E-03	6.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	6.38E-03	0.00E+00	0.00E+00	5.21E-04	1.11E-03	0.00E+00	0.00E+00
561	500080.9	3732972	3.44E-03	6.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	6.34E-03	0.00E+00	0.00E+00	5.18E-04	1.11E-03	0.00E+00	0.00E+00
562	500071.8	3732968	3.42E-03	6.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	6.30E-03	0.00E+00	0.00E+00	5.14E-04	1.10E-03	0.00E+00	0.00E+00
563	500062.7	3732964	3.38E-03	6.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	6.24E-03	0.00E+00	0.00E+00	5.10E-04	1.09E-03	0.00E+00	0.00E+00
564	500053.6	3732961	3.35E-03	6.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-03	6.17E-03	0.00E+00	0.00E+00	5.04E-04	1.07E-03	0.00E+00	0.00E+00
565	500044.4	3732957	3.30E-03	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03	6.08E-03	0.00E+00	0.00E+00	4.97E-04	1.06E-03	0.00E+00	0.00E+00
566	500035.3	3732953	3.25E-03	5.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03	5.99E-03	0.00E+00	0.00E+00	4.89E-04	1.04E-03	0.00E+00	0.00E+00
567	499989.7	3732934	2.89E-03	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	5.34E-03	0.00E+00	0.00E+00	4.36E-04	9.30E-04	0.00E+00	0.00E+00
568	499980.5	3732930	2.80E-03	5.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.16E-03	0.00E+00	0.00E+00	4.22E-04	9.00E-04	0.00E+00	0.00E+00
569	499971.4	3732926	2.70E-03	4.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.98E-03	0.00E+00	0.00E+00	4.07E-04	8.67E-04	0.00E+00	0.00E+00
570	499962.3	3732923	2.59E-03	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03	4.78E-03	0.00E+00	0.00E+00	3.90E-04	8.33E-04	0.00E+00	0.00E+00
571	499953.2	3732919	2.48E-03	4.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.56E-03	0.00E+00	0.00E+00	3.73E-04	7.95E-04	0.00E+00	0.00E+00
572	499944	3732915	2.35E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	4.33E-03	0.00E+00	0.00E+00	3.54E-04	7.55E-04	0.00E+00	0.00E+00
573	499934.9	3732911	2.22E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.09E-03	0.00E+00	0.00E+00	3.34E-04	7.13E-04	0.00E+00	0.00E+00
574	499925.8	3732907	2.09E-03	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.85E-03	0.00E+00	0.00E+00	3.14E-04	6.70E-04	0.00E+00	0.00E+00
575	499916.7	3732904	1.95E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.26E-04	0.00E+00	0.00E+00
576	499907.5	3732900	1.81E-03	3.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.34E-03	0.00E+00	0.00E+00	2.73E-04	5.82E-04	0.00E+00	0.00E+00
577	499898.4	3732896	1.68E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.09E-03	0.00E+00	0.00E+00	2.53E-04	5.39E-04	0.00E+00	0.00E+00
578	499889.3	3732892	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
579	499880.2	3732888	1.43E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
580	500232.5	3733016	2.45E-03	4.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03	4.51E-03	0.00E+00	0.00E+00	3.68E-04	7.86E-04	0.00E+00	0.00E+00
581	500239.5	3733023	2.39E-03	4.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	4.40E-03	0.00E+00	0.00E+00	3.60E-04	7.67E-04	0.00E+00	0.00E+00
582	500246.4	3733029	2.32E-03	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03	4.28E-03	0.00E+00	0.00E+00	3.50E-04	7.46E-04	0.00E+00	0.00E+00
583	500253.4	3733035	2.25E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.16E-03	0.00E+00	0.00E+00	3.39E-04	7.24E-04	0.00E+00	0.00E+00
584	500260.4	3733041	2.18E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	4.02E-03	0.00E+00	0.00E+00	3.29E-04	7.01E-04	0.00E+00	0.00E+00
585	500267.4	3733047	2.11E-03	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	3.89E-03	0.00E+00	0.00E+00	3.18E-04	6.77E-04	0.00E+00	0.00E+00
586	500276	3733063	2.03E-03	3.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.75E-03	0.00E+00	0.00E+00	3.06E-04	6.53E-04	0.00E+00	0.00E+00
587	500277.7	3733072	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.06E-04	6.52E-04	0.00E+00	0.00E+00
588	500279.3	3733081	2.02E-03	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.73E-03	0.00E+00	0.00E+00	3.05E-04	6.50E-04	0.00E+00	0.00E+00
589	500281	3733090	2.02E-03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.72E-03	0.00E+00	0.00E+00	3.04E-04	6.47E-04	0.00E+00	0.00E+00
590	500282.6	3733100	2.01E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.70E-03	0.00E+00	0.00E+00	3.02E-04	6.44E-04	0.00E+00	0.00E+00
591	500284.3	3733109	2.00E-03	3.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	3.68E-03	0.00E+00	0.00E+00	3.00E-04	6.41E-04	0.00E+00	0.00E+00
592	500225.5	3733010	2.50E-03	4.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03	4.61E-03	0.00E+00	0.00E+00	3.76E-04	8.02E-04	0.00E+00	0.00E+00
593	500189	3732995	2.83E-03	5.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03	5.21E-03	0.00E+00	0.00E+00	4.26E-04	9.08E-04	0.00E+00	0.00E+00
594	500179.9	3732991	2.89E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	5.33E-03	0.00E+00	0.00E+00	4.35E-04	9.28E-04	0.00E+00	0.00E+00
595	500170.7	3732988	2.94E-03	5.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03	5.42E-03	0.00E+00	0.00E+00	4.43E-04	9.45E-04	0.00E+00	0.00E+00
596	500161.6	3732984	2.99E-03	5.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	5.50E-03	0.00E+00	0.00E+00	4.50E-04	9.59E-04	0.00E+00	0.00E+00
597	500152.5	3732980	3.02E-03	5.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	5.57E-03	0.00E+00	0.00E+00	4.55E-04	9.70E-04	0.00E+00	0.00E+00
598	500143.4	3732976	3.05E-03	5.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-03	5.61E-03	0.00E+00	0.00E+00	4.59E-04	9.78E-04	0.00E+00	0.00E+00
599	500134.2	3732972	3.06E-03	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03	5.65E-03	0.00E+00	0.00E+00	4.61E-04	9.84E-04	0.00E+00	0.00E+00
600	500125.1	3732969	3.07E-03	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.66E-03	0.00E+00	0.00E+00	4.63E-04	9.87E-04	0.00E+00	0.00E+00
601	500116	3732965	3.07E-03	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.67E-03	0.00E+00	0.00E+00	4.63E-04	9.87E-04	0.00E+00	0.00E+00
602	500106.9	3732961	3.07E-03	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.66E-03	0.00E+00	0.00E+00	4.62E-04	9.86E-04	0.00E+00	0.00E+00
603	500097.7	3732957	3.06E-03	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03	5.64E-03	0.00E+00	0.00E+00	4.61E-04	9.82E-04	0.00E+00	0.00E+00
604	500088.6	3732953	3.04E-03	5.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03	5.61E-03	0.00E+00	0.00E+00	4.58E-04	9.77E-04	0.00E+00	0.00E+00
605	500033.8	3732931	2.81E-03	5.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	5.19E-03	0.00E+00	0.00E+00	4.24E-04	9.04E-04	0.00E+00	0.00E+00
606	500024.7	3732927	2.76E-03	5.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	5.08E-03	0.00E+00	0.00E+00	4.15E-04	8.85E-04	0.00E+00	0.00E+00
607	500015.6	3732923	2.69E-03	4.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	4.96E-03	0.00E+00	0.00E+00	4.05E-04	8.65E-04	0.00E+00	0.00E+00
608	500006.5	3732919	2.62E-03	4.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	4.84E-03	0.00E+00	0.00E+00	3.95E-04	8.43E-04	0.00E+00	0.00E+00
609	499997.3	3732915	2.55E-03	4.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03	4.70E-03	0.00E+00	0.00E+00	3.84E-04	8.18E-04	0.00E+00	0.00E+00
610	499988.2	3732912	2.47E-03	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	4.55E-03	0.00E+00	0.00E+00	3.71E-04	7.92E-04	0.00E+00	0.00E+00
611	499979.1	3732908	2.38E-03	4.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	4.38E-03	0.00E+00	0.00E+00	3.58E-04	7.64E-04	0.00E+00	0.00E+00
612	499970	3732904	2.29E-03	4.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	4.21E-03	0.00E+00	0.00E+00	3.44E-04	7.34E-04	0.00E+00	0.00E+00
613	499960.8	3732900	2.19E-03	4.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	4.03E-03	0.00E+00	0.00E+00	3.29E-04	7.02E-04	0.00E+00	0.00E+00
614	499951.7	3732897	2.08E-03	3.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	3.84E-03	0.00E+00	0.00E+00	3.14E-04	6.69E-04	0.00E+00	0.00E+00
615	499942.6	3732893	1.97E-03	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	3.64E-03	0.00E+00	0.00E+00	2.97E-04	6.34E-04	0.00E+00	0.00E+00
616	499933.5	3732889	1.86E-03	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
617	499924.3	3732885	1.75E-03	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.63E-04	0.00E+00	0.00E+00
618	499915.2	3732881	1.64E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.28E-04	0.00E+00	0.00E+00
619	499906.1	3732878	1.53E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.83E-03	0.00E+00	0.00E+00	2.31E-04	4.93E-04	0.00E+00	0.00E+00
620	499897	3732874	1.43E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.15E-04	4.60E-04	0.00E+00	0.00E+00
621	499887.8	3732870	1.33E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
622	500240.5	3732998	2.24E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	4.12E-03	0.00E+00	0.00E+00	3.37E-04	7.18E-04	0.00E+00	0.00E+00
623	500247.8	3733005	2.19E-03	4.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	4.03E-03	0.00E+00	0.00E+00	3.29E-04	7.02E-04	0.00E+00	0.00E+00
624	500255.1	3733011	2.13E-03	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	3.93E-03	0.00E+00	0.00E+00	3.21E-04	6.85E-04	0.00E+00	0.00E+00
625	500262.5	3733018	2.07E-03	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.82E-03	0.00E+00	0.00E+00	3.12E-04	6.66E-04	0.00E+00	0.00E+00
626	500269.8	3733024	2.01E-03	3.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.71E-03	0.00E+00	0.00E+00	3.03E-04	6.46E-04	0.00E+00	0.00E+00
627	500277.1	3733031	1.95E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
628	500284.4	3733037	1.88E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.47E-03	0.00E+00	0.00E+00	2.83E-04	6.04E-04	0.00E+00	0.00E+00
629	500293.5	3733054	1.81E-03	3.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.34E-03	0.00E+00	0.00E+00	2.72E-04	5.81E-04	0.00E+00	0.00E+00
630	500295.3	3733063	1.80E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.79E-04	0.00E+00	0.00E+00
631	500297	3733073	1.80E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.31E-03	0.00E+00	0.00E+00	2.70E-04	5.76E-04	0.00E+00	0.00E+00
632	500298.7	3733082	1.79E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	3.29E-03	0.00E+00	0.00E+00	2.69E-04	5.73E-04	0.00E+00	0.00E+00
633	500300.5	3733092	1.77E-03	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.27E-03	0.00E+00	0.00E+00	2.67E-04	5.70E-04	0.00E+00	0.00E+00
634	500302.2	3733102	1.76E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.65E-04	5.65E-04	0.00E+00	0.00E+00
635	500304	3733111	1.75E-03	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
636	500233.2	3732992	2.28E-03	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
637	500224	3732988	2.35E-03	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	4.34E-03	0.00E+00	0.00E+00	3.54E-04	7.56E-04	0.00E+00	0.00E+00
638	500187.5	3732973	2.60E-03	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	4.78E-03	0.00E+00	0.00E+00	3.91E-04	8.33E-04	0.00E+00	0.00E+00
639	500178.4	3732969	2.64E-03	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03	4.86E-03	0.00E+00	0.00E+00	3.97E-04	8.47E-04	0.00E+00	0.00E+00
640	500169.3	3732965	2.67E-03	4.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	4.93E-03	0.00E+00	0.00E+00	4.03E-04	8.59E-04	0.00E+00	0.00E+00
641	500160.2	3732961	2.70E-03	4.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.98E-03	0.00E+00	0.00E+00	4.07E-04	8.68E-04	0.00E+00	0.00E+00
642	500151	3732958	2.73E-03	5.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03	5.03E-03	0.00E+00	0.00E+00	4.11E-04	8.76E-04	0.00E+00	0.00E+00
643	500141.9	3732954	2.74E-03	5.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	5.05E-03	0.00E+00	0.00E+00	4.13E-04	8.80E-04	0.00E+00	0.00E+00
644	500087.2	3732931	2.70E-03	4.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.97E-03	0.00E+00	0.00E+00	4.06E-04	8.67E-04	0.00E+00	0.00E+00
645	500078	3732927	2.67E-03	4.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	4.92E-03	0.00E+00	0.00E+00	4.02E-04	8.58E-04	0.00E+00	0.00E+00
646	500068.9	3732924	2.64E-03	4.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03	4.87E-03	0.00E+00	0.00E+00	3.97E-04	8.48E-04	0.00E+00	0.00E+00
647	500059.8	3732920	2.60E-03	4.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	4.80E-03	0.00E+00	0.00E+00	3.92E-04	8.36E-04	0.00E+00	0.00E+00
648	500050.6	3732916	2.56E-03	4.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	4.72E-03	0.00E+00	0.00E+00	3.86E-04	8.22E-04	0.00E+00	0.00E+00
649	500041.5	3732912	2.51E-03	4.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	4.63E-03	0.00E+00	0.00E+00	3.78E-04	8.07E-04	0.00E+00	0.00E+00
650	500032.4	3732908	2.46E-03	4.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	4.54E-03	0.00E+00	0.00E+00	3.71E-04	7.91E-04	0.00E+00	0.00E+00
651	500023.3	3732905	2.40E-03	4.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	4.43E-03	0.00E+00	0.00E+00	3.62E-04	7.72E-04	0.00E+00	0.00E+00
652	500014.1	3732901	2.34E-03	4.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	4.32E-03	0.00E+00	0.00E+00	3.53E-04	7.52E-04	0.00E+00	0.00E+00
653	500005	3732897	2.28E-03	4.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.19E-03	0.00E+00	0.00E+00	3.43E-04	7.31E-04	0.00E+00	0.00E+00
654	499995.9	3732893	2.20E-03	4.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	4.06E-03	0.00E+00	0.00E+00	3.32E-04	7.08E-04	0.00E+00	0.00E+00
655	499986.8	3732889	2.13E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	3.92E-03	0.00E+00	0.00E+00	3.20E-04	6.83E-04	0.00E+00	0.00E+00
656	499977.6	3732886	2.05E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	3.77E-03	0.00E+00	0.00E+00	3.08E-04	6.57E-04	0.00E+00	0.00E+00
657	499968.5	3732882	1.96E-03	3.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	3.62E-03	0.00E+00	0.00E+00	2.95E-04	6.30E-04	0.00E+00	0.00E+00
658	499959.4	3732878	1.87E-03	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.02E-04	0.00E+00	0.00E+00
659	499950.3	3732874	1.78E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.29E-03	0.00E+00	0.00E+00	2.68E-04	5.73E-04	0.00E+00	0.00E+00
660	499941.1	3732870	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.43E-04	0.00E+00	0.00E+00
661	499932	3732867	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.13E-04	0.00E+00	0.00E+00
662	499922.9	3732863	1.51E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.84E-04	0.00E+00	0.00E+00
663	499913.8	3732859	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
664	499904.6	3732855	1.33E-03	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
665	499895.5	3732852	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00
666	500247.7	3732979	2.06E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.80E-03	0.00E+00	0.00E+00	3.10E-04	6.62E-04	0.00E+00	0.00E+00
667	500254.5	3732985	2.02E-03	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.73E-03	0.00E+00	0.00E+00	3.05E-04	6.50E-04	0.00E+00	0.00E+00
668	500261.4	3732992	1.98E-03	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.66E-03	0.00E+00	0.00E+00	2.99E-04	6.37E-04	0.00E+00	0.00E+00

669	500268.2	3732998	1.94E-03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.57E-03	0.00E+00	0.00E+00	2.92E-04	6.23E-04	0.00E+00	0.00E+00
670	500275	3733004	1.89E-03	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.08E-04	0.00E+00	0.00E+00
671	500281.9	3733010	1.84E-03	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.40E-03	0.00E+00	0.00E+00	2.77E-04	5.92E-04	0.00E+00	0.00E+00
672	500288.7	3733016	1.79E-03	3.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	3.30E-03	0.00E+00	0.00E+00	2.70E-04	5.75E-04	0.00E+00	0.00E+00
673	500295.5	3733022	1.74E-03	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
674	500302.4	3733028	1.68E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.10E-03	0.00E+00	0.00E+00	2.53E-04	5.40E-04	0.00E+00	0.00E+00
675	500310.8	3733043	1.62E-03	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.21E-04	0.00E+00	0.00E+00
676	500312.5	3733052	1.62E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.43E-04	5.19E-04	0.00E+00	0.00E+00
677	500314.1	3733061	1.61E-03	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.97E-03	0.00E+00	0.00E+00	2.42E-04	5.17E-04	0.00E+00	0.00E+00
678	500315.7	3733070	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
679	500317.3	3733079	1.59E-03	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
680	500319	3733088	1.58E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.06E-04	0.00E+00	0.00E+00
681	500320.6	3733097	1.56E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.02E-04	0.00E+00	0.00E+00
682	500322.2	3733106	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.97E-04	0.00E+00	0.00E+00
683	500240.8	3732973	2.09E-03	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.86E-03	0.00E+00	0.00E+00	3.15E-04	6.72E-04	0.00E+00	0.00E+00
684	500231.7	3732970	2.15E-03	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	3.97E-03	0.00E+00	0.00E+00	3.24E-04	6.92E-04	0.00E+00	0.00E+00
685	500222.6	3732966	2.21E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.08E-03	0.00E+00	0.00E+00	3.33E-04	7.10E-04	0.00E+00	0.00E+00
686	500140.5	3732932	2.48E-03	4.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.58E-03	0.00E+00	0.00E+00	3.74E-04	7.97E-04	0.00E+00	0.00E+00
687	500131.3	3732928	2.48E-03	4.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.58E-03	0.00E+00	0.00E+00	3.74E-04	7.98E-04	0.00E+00	0.00E+00
688	500122.2	3732924	2.48E-03	4.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	4.57E-03	0.00E+00	0.00E+00	3.73E-04	7.96E-04	0.00E+00	0.00E+00
689	500113.1	3732920	2.47E-03	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	4.55E-03	0.00E+00	0.00E+00	3.72E-04	7.93E-04	0.00E+00	0.00E+00
690	500103.9	3732916	2.46E-03	4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	4.53E-03	0.00E+00	0.00E+00	3.70E-04	7.89E-04	0.00E+00	0.00E+00
691	500094.8	3732913	2.44E-03	4.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	4.49E-03	0.00E+00	0.00E+00	3.67E-04	7.82E-04	0.00E+00	0.00E+00
692	500085.7	3732909	2.41E-03	4.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	4.44E-03	0.00E+00	0.00E+00	3.63E-04	7.74E-04	0.00E+00	0.00E+00
693	500076.6	3732905	2.38E-03	4.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	4.39E-03	0.00E+00	0.00E+00	3.59E-04	7.65E-04	0.00E+00	0.00E+00
694	500067.4	3732901	2.35E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	4.33E-03	0.00E+00	0.00E+00	3.54E-04	7.54E-04	0.00E+00	0.00E+00
695	500058.3	3732898	2.31E-03	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.26E-03	0.00E+00	0.00E+00	3.48E-04	7.42E-04	0.00E+00	0.00E+00
696	500049.2	3732894	2.27E-03	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.18E-03	0.00E+00	0.00E+00	3.41E-04	7.28E-04	0.00E+00	0.00E+00
697	500040.1	3732890	2.22E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.09E-03	0.00E+00	0.00E+00	3.34E-04	7.13E-04	0.00E+00	0.00E+00
698	500030.9	3732886	2.17E-03	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
699	500021.8	3732882	2.11E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	3.90E-03	0.00E+00	0.00E+00	3.18E-04	6.79E-04	0.00E+00	0.00E+00
700	500012.7	3732879	2.05E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	3.79E-03	0.00E+00	0.00E+00	3.09E-04	6.60E-04	0.00E+00	0.00E+00
701	500003.6	3732875	1.99E-03	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	3.67E-03	0.00E+00	0.00E+00	3.00E-04	6.39E-04	0.00E+00	0.00E+00
702	499994.4	3732871	1.92E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
703	499985.3	3732867	1.85E-03	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.42E-03	0.00E+00	0.00E+00	2.79E-04	5.95E-04	0.00E+00	0.00E+00
704	499976.2	3732863	1.78E-03	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.28E-03	0.00E+00	0.00E+00	2.68E-04	5.72E-04	0.00E+00	0.00E+00
705	499967.1	3732860	1.71E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.14E-03	0.00E+00	0.00E+00	2.57E-04	5.48E-04	0.00E+00	0.00E+00
706	499957.9	3732856	1.63E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
707	499948.8	3732852	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
708	499939.7	3732848	1.47E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
709	499930.6	3732844	1.39E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
710	499921.4	3732841	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
711	499912.3	3732837	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
712	499903.2	3732833	1.17E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
713	500255.6	3732961	1.91E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
714	500262.7	3732967	1.87E-03	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.02E-04	0.00E+00	0.00E+00
715	500269.8	3732974	1.84E-03	3.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.39E-03	0.00E+00	0.00E+00	2.77E-04	5.91E-04	0.00E+00	0.00E+00
716	500276.9	3732980	1.80E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
717	500284	3732986	1.76E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.65E-04	5.65E-04	0.00E+00	0.00E+00
718	500291.1	3732993	1.71E-03	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.51E-04	0.00E+00	0.00E+00
719	500298.2	3732999	1.67E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.36E-04	0.00E+00	0.00E+00
720	500305.3	3733005	1.62E-03	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
721	500312.4	3733012	1.57E-03	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.90E-03	0.00E+00	0.00E+00	2.37E-04	5.04E-04	0.00E+00	0.00E+00
722	500319.5	3733018	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
723	500328.3	3733034	1.47E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.71E-04	0.00E+00	0.00E+00
724	500330	3733043	1.46E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.68E-04	0.00E+00	0.00E+00
725	500331.7	3733052	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.66E-04	0.00E+00	0.00E+00
726	500333.4	3733062	1.44E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.17E-04	4.62E-04	0.00E+00	0.00E+00
727	500335.1	3733071	1.43E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
728	500336.8	3733080	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
729	500338.5	3733090	1.40E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.58E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
730	500340.2	3733099	1.39E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
731	500341.9	3733108	1.37E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.06E-04	4.40E-04	0.00E+00	0.00E+00
732	500193.8	3732932	2.18E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	4.02E-03	0.00E+00	0.00E+00	3.29E-04	7.01E-04	0.00E+00	0.00E+00
733	500184.6	3732928	2.21E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.07E-03	0.00E+00	0.00E+00	3.32E-04	7.09E-04	0.00E+00	0.00E+00
734	500175.5	3732925	2.23E-03	4.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	4.11E-03	0.00E+00	0.00E+00	3.36E-04	7.16E-04	0.00E+00	0.00E+00
735	500166.4	3732921	2.24E-03	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	4.14E-03	0.00E+00	0.00E+00	3.38E-04	7.21E-04	0.00E+00	0.00E+00
736	500157.3	3732917	2.25E-03	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.15E-03	0.00E+00	0.00E+00	3.39E-04	7.24E-04	0.00E+00	0.00E+00
737	500148.1	3732913	2.26E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.16E-03	0.00E+00	0.00E+00	3.40E-04	7.26E-04	0.00E+00	0.00E+00
738	500139	3732909	2.26E-03	4.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.17E-03	0.00E+00	0.00E+00	3.40E-04	7.26E-04	0.00E+00	0.00E+00
739	500129.9	3732906	2.26E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.16E-03	0.00E+00	0.00E+00	3.40E-04	7.25E-04	0.00E+00	0.00E+00
740	500120.7	3732902	2.25E-03	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.14E-03	0.00E+00	0.00E+00	3.38E-04	7.22E-04	0.00E+00	0.00E+00
741	500111.6	3732898	2.23E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	4.12E-03	0.00E+00	0.00E+00	3.36E-04	7.17E-04	0.00E+00	0.00E+00
742	500102.5	3732894	2.22E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.08E-03	0.00E+00	0.00E+00	3.34E-04	7.11E-04	0.00E+00	0.00E+00
743	500093.4	3732890	2.19E-03	4.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	4.04E-03	0.00E+00	0.00E+00	3.30E-04	7.04E-04	0.00E+00	0.00E+00
744	500084.2	3732887	2.17E-03	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	3.99E-03	0.00E+00	0.00E+00	3.26E-04	6.96E-04	0.00E+00	0.00E+00
745	500075.1	3732883	2.14E-03	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.94E-03	0.00E+00	0.00E+00	3.22E-04	6.86E-04	0.00E+00	0.00E+00
746	500066	3732879	2.10E-03	3.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	3.87E-03	0.00E+00	0.00E+00	3.16E-04	6.75E-04	0.00E+00	0.00E+00
747	500056.9	3732875	2.06E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.80E-03	0.00E+00	0.00E+00	3.11E-04	6.62E-04	0.00E+00	0.00E+00
748	500047.7	3732871	2.02E-03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.72E-03	0.00E+00	0.00E+00	3.04E-04	6.49E-04	0.00E+00	0.00E+00
749	500038.6	3732868	1.97E-03	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	3.64E-03	0.00E+00	0.00E+00	2.97E-04	6.34E-04	0.00E+00	0.00E+00
750	500029.5	3732864	1.92E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
751	500020.4	3732860	1.87E-03	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.01E-04	0.00E+00	0.00E+00
752	500011.2	3732856	1.82E-03	3.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.35E-03	0.00E+00	0.00E+00	2.73E-04	5.83E-04	0.00E+00	0.00E+00
753	500002.1	3732853	1.76E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.64E-04	5.64E-04	0.00E+00	0.00E+00
754	499993	3732849	1.70E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.44E-04	0.00E+00	0.00E+00
755	499983.9	3732845	1.63E-03	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.01E-03	0.00E+00	0.00E+00	2.46E-04	5.24E-04	0.00E+00	0.00E+00
756	499974.7	3732841	1.57E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.03E-04	0.00E+00	0.00E+00
757	499965.6	3732837	1.50E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.26E-04	4.81E-04	0.00E+00	0.00E+00
758	499956.5	3732834	1.43E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.16E-04	4.60E-04	0.00E+00	0.00E+00
759	499947.3	3732830	1.36E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
760	499938.2	3732826	1.30E-03	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.17E-04	0.00E+00	0.00E+00
761	499929.1	3732822	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.96E-04	0.00E+00	0.00E+00
762	499920	3732818	1.17E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
763	499910.8	3732815	1.11E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.66E-04	3.55E-04	0.00E+00	0.00E+00
764	500278.2	3732956	1.71E-03	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.50E-04	0.00E+00	0.00E+00
765	500285.5	3732962	1.68E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.09E-03	0.00E+00	0.00E+00	2.53E-04	5.39E-04	0.00E+00	0.00E+00
766	500292.8	3732969	1.64E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
767	500300.1	3732975	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.15E-04	0.00E+00	0.00E+00
768	500307.5	3732982	1.56E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.01E-04	0.00E+00	0.00E+00
769	500314.8	3732988	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.87E-04	0.00E+00	0.00E+00
770	500322.1	3732995	1.47E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.72E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
771	500329.4	3733001	1.43E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
772	500336.8	3733008	1.38E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.44E-04	0.00E+00	0.00E+00
773	500345.8	3733024	1.33E-03	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
774	500347.6	3733034	1.32E-03	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.25E-04	0.00E+00	0.00E+00
775	500349.3	3733043	1.31E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.98E-04	4.22E-04	0.00E+00	0.00E+00
776	500351.1	3733053	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.19E-04	0.00E+00	0.00E+00
777	500352.8	3733063	1.29E-03	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.95E-04	4.15E-04	0.00E+00	0.00E+00
778	500354.5	3733072	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
779	500356.3	3733082	1.26E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
780	500358	3733092	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00

781	500359.8	3733101	1.23E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.96E-04	0.00E+00	0.00E+00
782	500256.2	3732936	1.79E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	3.31E-03	0.00E+00	0.00E+00	2.70E-04	5.76E-04	0.00E+00	0.00E+00
783	500247.1	3732933	1.84E-03	3.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.39E-03	0.00E+00	0.00E+00	2.77E-04	5.90E-04	0.00E+00	0.00E+00
784	500237.9	3732929	1.88E-03	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.46E-03	0.00E+00	0.00E+00	2.83E-04	6.03E-04	0.00E+00	0.00E+00
785	500228.8	3732925	1.92E-03	3.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.53E-03	0.00E+00	0.00E+00	2.88E-04	6.15E-04	0.00E+00	0.00E+00
786	500219.7	3732921	1.95E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.94E-04	6.26E-04	0.00E+00	0.00E+00
787	500192.3	3732910	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.05E-04	6.51E-04	0.00E+00	0.00E+00
788	500183.2	3732906	2.04E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	3.77E-03	0.00E+00	0.00E+00	3.08E-04	6.56E-04	0.00E+00	0.00E+00
789	500174.1	3732902	2.06E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.79E-03	0.00E+00	0.00E+00	3.10E-04	6.60E-04	0.00E+00	0.00E+00
790	500164.9	3732898	2.07E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.11E-04	6.63E-04	0.00E+00	0.00E+00
791	500155.8	3732895	2.07E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.12E-04	6.65E-04	0.00E+00	0.00E+00
792	500146.7	3732891	2.07E-03	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.82E-03	0.00E+00	0.00E+00	3.12E-04	6.65E-04	0.00E+00	0.00E+00
793	500137.5	3732887	2.07E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.11E-04	6.63E-04	0.00E+00	0.00E+00
794	500128.4	3732883	2.06E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.79E-03	0.00E+00	0.00E+00	3.10E-04	6.61E-04	0.00E+00	0.00E+00
795	500119.3	3732880	2.04E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	3.77E-03	0.00E+00	0.00E+00	3.08E-04	6.56E-04	0.00E+00	0.00E+00
796	500110.2	3732876	2.03E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.74E-03	0.00E+00	0.00E+00	3.05E-04	6.51E-04	0.00E+00	0.00E+00
797	500101	3732872	2.01E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.70E-03	0.00E+00	0.00E+00	3.02E-04	6.45E-04	0.00E+00	0.00E+00
798	500091.9	3732868	1.98E-03	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.65E-03	0.00E+00	0.00E+00	2.99E-04	6.37E-04	0.00E+00	0.00E+00
799	500082.8	3732864	1.95E-03	3.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.60E-03	0.00E+00	0.00E+00	2.94E-04	6.28E-04	0.00E+00	0.00E+00
800	500073.7	3732861	1.92E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
801	500064.5	3732857	1.89E-03	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.48E-03	0.00E+00	0.00E+00	2.84E-04	6.07E-04	0.00E+00	0.00E+00
802	500055.4	3732853	1.85E-03	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.41E-03	0.00E+00	0.00E+00	2.79E-04	5.94E-04	0.00E+00	0.00E+00
803	500046.3	3732849	1.81E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.81E-04	0.00E+00	0.00E+00
804	500037.2	3732845	1.76E-03	3.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.25E-03	0.00E+00	0.00E+00	2.66E-04	5.67E-04	0.00E+00	0.00E+00
805	500028	3732842	1.72E-03	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
806	500018.9	3732838	1.67E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.36E-04	0.00E+00	0.00E+00
807	500009.8	3732834	1.62E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.43E-04	5.19E-04	0.00E+00	0.00E+00
808	500000.7	3732830	1.56E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.01E-04	0.00E+00	0.00E+00
809	499991.5	3732826	1.51E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.77E-03	0.00E+00	0.00E+00	2.27E-04	4.83E-04	0.00E+00	0.00E+00
810	499982.4	3732823	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
811	499973.3	3732819	1.39E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.46E-04	0.00E+00	0.00E+00
812	499964.1	3732815	1.33E-03	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
813	499955	3732811	1.27E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
814	499945.9	3732808	1.21E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
815	499936.8	3732804	1.16E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
816	499927.6	3732800	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
817	499918.5	3732796	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.36E-04	0.00E+00	0.00E+00
818	500270.8	3732924	1.65E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
819	500277.8	3732930	1.63E-03	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.01E-03	0.00E+00	0.00E+00	2.46E-04	5.24E-04	0.00E+00	0.00E+00
820	500284.8	3732937	1.61E-03	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.96E-03	0.00E+00	0.00E+00	2.42E-04	5.16E-04	0.00E+00	0.00E+00
821	500312.7	3732961	1.49E-03	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.77E-04	0.00E+00	0.00E+00
822	500319.7	3732968	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.66E-04	0.00E+00	0.00E+00
823	500326.6	3732974	1.41E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.54E-04	0.00E+00	0.00E+00
824	500333.6	3732980	1.38E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
825	500340.6	3732986	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.30E-04	0.00E+00	0.00E+00
826	500347.6	3732992	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.17E-04	0.00E+00	0.00E+00
827	500354.6	3732999	1.26E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
828	500363.2	3733014	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
829	500364.8	3733023	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
830	500366.5	3733032	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.85E-04	0.00E+00	0.00E+00
831	500368.2	3733041	1.19E-03	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
832	500369.8	3733051	1.18E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.78E-04	3.79E-04	0.00E+00	0.00E+00
833	500371.5	3733060	1.17E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
834	500373.1	3733069	1.16E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
835	500374.8	3733078	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
836	500376.5	3733087	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
837	500378.1	3733097	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
838	500379.8	3733106	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
839	500263.9	3732918	1.67E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.08E-03	0.00E+00	0.00E+00	2.52E-04	5.37E-04	0.00E+00	0.00E+00
840	500254.7	3732914	1.71E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.15E-03	0.00E+00	0.00E+00	2.57E-04	5.49E-04	0.00E+00	0.00E+00
841	500245.6	3732910	1.74E-03	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.63E-04	5.60E-04	0.00E+00	0.00E+00
842	500236.5	3732907	1.78E-03	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.27E-03	0.00E+00	0.00E+00	2.67E-04	5.70E-04	0.00E+00	0.00E+00
843	500227.4	3732903	1.80E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.80E-04	0.00E+00	0.00E+00
844	500190.8	3732888	1.88E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.47E-03	0.00E+00	0.00E+00	2.84E-04	6.05E-04	0.00E+00	0.00E+00
845	500181.7	3732884	1.90E-03	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.09E-04	0.00E+00	0.00E+00
846	500172.6	3732880	1.90E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.86E-04	6.11E-04	0.00E+00	0.00E+00
847	500163.5	3732876	1.91E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
848	500154.3	3732872	1.91E-03	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
849	500145.2	3732869	1.90E-03	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
850	500136.1	3732865	1.89E-03	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.08E-04	0.00E+00	0.00E+00
851	500127	3732861	1.88E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.47E-03	0.00E+00	0.00E+00	2.83E-04	6.04E-04	0.00E+00	0.00E+00
852	500117.8	3732857	1.87E-03	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
853	500108.7	3732853	1.85E-03	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.40E-03	0.00E+00	0.00E+00	2.78E-04	5.93E-04	0.00E+00	0.00E+00
854	500099.6	3732850	1.82E-03	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.36E-03	0.00E+00	0.00E+00	2.75E-04	5.86E-04	0.00E+00	0.00E+00
855	500090.5	3732846	1.80E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
856	500081.3	3732842	1.77E-03	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.26E-03	0.00E+00	0.00E+00	2.67E-04	5.69E-04	0.00E+00	0.00E+00
857	500072.2	3732838	1.74E-03	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
858	500063.1	3732835	1.70E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.14E-03	0.00E+00	0.00E+00	2.57E-04	5.47E-04	0.00E+00	0.00E+00
859	500054	3732831	1.67E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.35E-04	0.00E+00	0.00E+00
860	500044.8	3732827	1.63E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
861	500035.7	3732823	1.59E-03	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.92E-03	0.00E+00	0.00E+00	2.39E-04	5.09E-04	0.00E+00	0.00E+00
862	500026.6	3732819	1.54E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
863	500017.5	3732816	1.49E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
864	500008.3	3732812	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.64E-04	0.00E+00	0.00E+00
865	499999.2	3732808	1.40E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.49E-04	0.00E+00	0.00E+00
866	499990.1	3732804	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.32E-04	0.00E+00	0.00E+00
867	499980.9	3732800	1.30E-03	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
868	499971.8	3732797	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
869	499962.7	3732793	1.19E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.79E-04	3.83E-04	0.00E+00	0.00E+00
870	499953.6	3732789	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
871	499944.4	3732785	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
872	499935.3	3732781	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
873	499926.2	3732778	9.92E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.19E-04	0.00E+00	0.00E+00
874	500282.4	3732896	1.50E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.26E-04	4.81E-04	0.00E+00	0.00E+00
875	500289.4	3732903	1.48E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.76E-04	0.00E+00	0.00E+00
876	500296.4	3732909	1.46E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.70E-04	0.00E+00	0.00E+00
877	500303.4	3732915	1.44E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
878	500310.5	3732921	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
879	500317.5	3732928	1.39E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.47E-04	0.00E+00	0.00E+00
880	500324.5	3732934	1.36E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
881	500331.5	3732940	1.34E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.29E-04	0.00E+00	0.00E+00
882	500352.6	3732959	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
883	500359.6	3732965	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
884	500366.6	3732971	1.18E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
885	500373.6	3732978	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
886	500380.7	3732984	1.11E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
887	500389.4	3732999	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
888	500391	3733009	1.06E-03	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
889	500392.7	3733018	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.38E-04	0.00E+00	0.00E+00
890	500394.4	3733027	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
891	500396	3733036	1.03E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.32E-04	0.00E+00	0.00E+00
892	500397.7	3733045	1.02E-03	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00

893	500399.4	3733055	1.01E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
894	500401.1	3733064	1.00E-03	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
895	500402.7	3733073	9.88E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
896	500404.4	3733082	9.75E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
897	500406.1	3733092	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
898	500407.7	3733101	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
899	500275.4	3732890	1.51E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
900	500266.2	3732886	1.54E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
901	500257.1	3732883	1.57E-03	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.90E-03	0.00E+00	0.00E+00	2.37E-04	5.04E-04	0.00E+00	0.00E+00
902	500248	3732879	1.60E-03	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.13E-04	0.00E+00	0.00E+00
903	500238.9	3732875	1.62E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
904	500229.7	3732871	1.64E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.02E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
905	500220.6	3732867	1.66E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.32E-04	0.00E+00	0.00E+00
906	500193.2	3732856	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.43E-04	0.00E+00	0.00E+00
907	500184.1	3732852	1.70E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.55E-04	5.45E-04	0.00E+00	0.00E+00
908	500175	3732849	1.70E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.56E-04	5.45E-04	0.00E+00	0.00E+00
909	500165.9	3732845	1.70E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.55E-04	5.45E-04	0.00E+00	0.00E+00
910	500156.7	3732841	1.69E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.12E-03	0.00E+00	0.00E+00	2.55E-04	5.43E-04	0.00E+00	0.00E+00
911	500147.6	3732837	1.68E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.10E-03	0.00E+00	0.00E+00	2.54E-04	5.41E-04	0.00E+00	0.00E+00
912	500138.5	3732833	1.67E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.08E-03	0.00E+00	0.00E+00	2.52E-04	5.37E-04	0.00E+00	0.00E+00
913	500129.3	3732830	1.66E-03	3.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	3.06E-03	0.00E+00	0.00E+00	2.50E-04	5.33E-04	0.00E+00	0.00E+00
914	500120.2	3732826	1.64E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.28E-04	0.00E+00	0.00E+00
915	500111.1	3732822	1.62E-03	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.45E-04	5.22E-04	0.00E+00	0.00E+00
916	500102	3732818	1.60E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
917	500092.8	3732814	1.58E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.07E-04	0.00E+00	0.00E+00
918	500083.7	3732811	1.55E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
919	500074.6	3732807	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
920	500065.5	3732803	1.49E-03	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.78E-04	0.00E+00	0.00E+00
921	500056.3	3732799	1.45E-03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
922	500047.2	3732795	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
923	500038.1	3732792	1.38E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
924	500029	3732788	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
925	500019.8	3732784	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
926	500010.7	3732780	1.26E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
927	500001.6	3732776	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
928	499992.5	3732773	1.17E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
929	499983.3	3732769	1.13E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
930	499974.2	3732765	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
931	499965.1	3732761	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
932	499956	3732758	1.00E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
933	499946.8	3732754	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
934	499937.7	3732750	9.21E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
935	500293.9	3732869	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
936	500301	3732875	1.35E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.49E-03	0.00E+00	0.00E+00	2.04E-04	4.35E-04	0.00E+00	0.00E+00
937	500308	3732881	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.01E-04	4.30E-04	0.00E+00	0.00E+00
938	500315.1	3732888	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
939	500322.1	3732894	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
940	500329.2	3732900	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
941	500336.3	3732906	1.26E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.04E-04	0.00E+00	0.00E+00
942	500343.3	3732913	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.86E-04	3.96E-04	0.00E+00	0.00E+00
943	500350.4	3732919	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
944	500357.4	3732925	1.18E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
945	500364.5	3732931	1.16E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
946	500371.5	3732938	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
947	500399.7	3732963	1.01E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.25E-04	0.00E+00	0.00E+00
948	500406.8	3732969	9.84E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
949	500415.5	3732985	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
950	500417.2	3732994	9.40E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
951	500418.9	3733003	9.32E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
952	500420.6	3733012	9.24E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
953	500422.2	3733022	9.14E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
954	500423.9	3733031	9.05E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
955	500425.6	3733040	8.94E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
956	500427.3	3733050	8.84E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
957	500429	3733059	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
958	500430.6	3733068	8.61E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
959	500432.3	3733077	8.49E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
960	500434	3733087	8.36E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
961	500286.9	3732863	1.38E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.43E-04	0.00E+00	0.00E+00
962	500277.8	3732859	1.40E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.59E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
963	500268.6	3732855	1.43E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.58E-04	0.00E+00	0.00E+00
964	500259.5	3732851	1.45E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.64E-04	0.00E+00	0.00E+00
965	500250.4	3732847	1.46E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.70E-03	0.00E+00	0.00E+00	2.20E-04	4.70E-04	0.00E+00	0.00E+00
966	500241.2	3732844	1.48E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.76E-04	0.00E+00	0.00E+00
967	500232.1	3732840	1.49E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
968	500223	3732836	1.51E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.84E-04	0.00E+00	0.00E+00
969	500186.5	3732821	1.53E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.81E-03	0.00E+00	0.00E+00	2.30E-04	4.90E-04	0.00E+00	0.00E+00
970	500177.4	3732817	1.52E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.81E-03	0.00E+00	0.00E+00	2.29E-04	4.89E-04	0.00E+00	0.00E+00
971	500168.2	3732813	1.52E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
972	500159.1	3732809	1.51E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
973	500150	3732806	1.50E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.77E-03	0.00E+00	0.00E+00	2.26E-04	4.82E-04	0.00E+00	0.00E+00
974	500140.9	3732802	1.49E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.24E-04	4.79E-04	0.00E+00	0.00E+00
975	500131.7	3732798	1.48E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.72E-03	0.00E+00	0.00E+00	2.22E-04	4.74E-04	0.00E+00	0.00E+00
976	500122.6	3732794	1.46E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.68E-04	0.00E+00	0.00E+00
977	500113.5	3732790	1.44E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.17E-04	4.62E-04	0.00E+00	0.00E+00
978	500104.4	3732787	1.42E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
979	500095.2	3732783	1.39E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
980	500086.1	3732779	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
981	500077	3732775	1.34E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
982	500067.8	3732772	1.31E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.98E-04	4.21E-04	0.00E+00	0.00E+00
983	500058.7	3732768	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
984	500049.6	3732764	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00
985	500040.5	3732760	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
986	500031.3	3732756	1.18E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.79E-04	0.00E+00	0.00E+00
987	500022.2	3732753	1.15E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.73E-04	3.68E-04	0.00E+00	0.00E+00
988	500013.1	3732749	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
989	500004	3732745	1.07E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
990	499994.8	3732741	1.04E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
991	499985.7	3732737	1.00E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
992	499976.6	3732734	9.65E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
993	499967.5	3732730	9.29E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
994	499958.3	3732726	8.93E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
995	499949.2	3732722	8.58E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
996	500305.5	3732841	1.25E-03	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.89E-04	4.02E-04	0.00E+00	0.00E+00
997	500312.5	3732847	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
998	500319.6	3732854	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
999	500326.7	3732860	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
1000	500333.8	3732866	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.85E-04	0.00E+00	0.00E+00
1001	500340.9	3732873	1.18E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
1002	500348	3732879	1.16E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
1003	500355	3732885	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
1004	500362.1	3732891	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.61E-04	0.00E+00	0.00E+00

1005	500369.2	3732898	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
1006	500376.3	3732904	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
1007	500383.4	3732910	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1008	500390.4	3732917	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
1009	500397.5	3732923	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.23E-04	0.00E+00	0.00E+00
1010	500404.6	3732929	9.82E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
1011	500411.7	3732935	9.56E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
1012	500418.8	3732942	9.30E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
1013	500441.7	3732970	8.47E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
1014	500443.4	3732979	8.39E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	1.55E-03	0.00E+00	0.00E+00	1.26E-04	2.70E-04	0.00E+00	0.00E+00
1015	500445.1	3732989	8.32E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1016	500446.7	3732998	8.24E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
1017	500448.4	3733007	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
1018	500450.1	3733017	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
1019	500451.8	3733026	7.96E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
1020	500453.5	3733035	7.87E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.53E-04	0.00E+00	0.00E+00
1021	500455.2	3733045	7.76E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1022	500456.9	3733054	7.66E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
1023	500458.5	3733063	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1024	500460.2	3733073	7.44E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
1025	500461.9	3733082	7.33E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
1026	500298.4	3732835	1.26E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
1027	500289.3	3732831	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
1028	500280.1	3732827	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
1029	500271	3732823	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
1030	500261.9	3732820	1.33E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
1031	500252.8	3732816	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.32E-04	0.00E+00	0.00E+00
1032	500243.6	3732812	1.36E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
1033	500234.5	3732808	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
1034	500225.4	3732804	1.37E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
1035	500188.9	3732789	1.38E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
1036	500179.7	3732786	1.37E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
1037	500170.6	3732782	1.37E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
1038	500161.5	3732778	1.36E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
1039	500152.4	3732774	1.35E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.33E-04	0.00E+00	0.00E+00
1040	500143.2	3732770	1.33E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
1041	500134.1	3732767	1.32E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
1042	500125	3732763	1.30E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
1043	500115.9	3732759	1.28E-03	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.37E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
1044	500106.7	3732755	1.26E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
1045	500097.6	3732751	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.98E-04	0.00E+00	0.00E+00
1046	500088.5	3732748	1.22E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
1047	500079.4	3732744	1.19E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.79E-04	3.83E-04	0.00E+00	0.00E+00
1048	500070.2	3732740	1.17E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
1049	500061.1	3732736	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1050	500052	3732732	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
1051	500042.9	3732729	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
1052	500033.7	3732725	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
1053	500024.6	3732721	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
1054	500015.5	3732717	9.88E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
1055	500006.3	3732713	9.57E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
1056	499997.2	3732710	9.26E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1057	499988.1	3732706	8.94E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
1058	499979	3732702	8.63E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
1059	499969.8	3732698	8.33E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1060	499960.7	3732695	8.03E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
1061	500317	3732813	1.15E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.71E-04	0.00E+00	0.00E+00
1062	500324.1	3732820	1.15E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
1063	500331.2	3732826	1.14E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1064	500338.3	3732832	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.61E-04	0.00E+00	0.00E+00
1065	500345.4	3732839	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1066	500352.5	3732845	1.10E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
1067	500359.6	3732851	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
1068	500366.7	3732858	1.07E-03	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.42E-04	0.00E+00	0.00E+00
1069	500373.8	3732864	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
1070	500380.9	3732870	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
1071	500388	3732877	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
1072	500395.1	3732883	9.90E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
1073	500402.2	3732889	9.69E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1074	500409.3	3732895	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
1075	500416.4	3732902	9.26E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1076	500423.5	3732908	9.04E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1077	500430.6	3732914	8.81E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-04	1.62E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
1078	500437.8	3732921	8.58E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1079	500444.9	3732927	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1080	500452	3732933	8.12E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
1081	500459.1	3732940	7.90E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1082	500469.5	3732965	7.54E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1083	500471.2	3732974	7.46E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
1084	500472.9	3732983	7.39E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1085	500474.6	3732993	7.31E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
1086	500476.3	3733002	7.23E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1087	500478	3733011	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1088	500479.7	3733021	7.05E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1089	500481.4	3733030	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1090	500483.1	3733039	6.86E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
1091	500484.8	3733049	6.77E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
1092	500486.4	3733058	6.67E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1093	500488.1	3733068	6.57E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
1094	500489.8	3733077	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
1095	500309.9	3732807	1.16E-03	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.73E-04	0.00E+00	0.00E+00
1096	500300.8	3732803	1.18E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
1097	500291.6	3732800	1.19E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.83E-04	0.00E+00	0.00E+00
1098	500282.5	3732796	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
1099	500273.4	3732792	1.22E-03	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
1100	500264.3	3732788	1.23E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
1101	500255.1	3732784	1.24E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.28E-03	0.00E+00	0.00E+00	1.87E-04	3.98E-04	0.00E+00	0.00E+00
1102	500246	3732781	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00
1103	500236.9	3732777	1.25E-03	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.88E-04	4.02E-04	0.00E+00	0.00E+00
1104	500227.8	3732773	1.25E-03	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
1105	500191.3	3732758	1.25E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00
1106	500182.1	3732754	1.24E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
1107	500173	3732750	1.24E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
1108	500163.9	3732746	1.23E-03	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
1109	500154.7	3732743	1.21E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
1110	500145.6	3732739	1.20E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
1111	500136.5	3732735	1.19E-03	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
1112	500127.4	3732731	1.17E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
1113	500118.2	3732727	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.70E-04	0.00E+00	0.00E+00
1114	500109.1	3732724	1.13E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.70E-04	3.64E-04	0.00E+00	0.00E+00
1115	500100	3732720	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1116	500090.9	3732716	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00

1117	500081.7	3732712	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
1118	500072.6	3732709	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
1119	500063.5	3732705	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
1120	500054.4	3732701	9.93E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
1121	500045.2	3732697	9.67E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1122	500036.1	3732693	9.41E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
1123	500027	3732690	9.14E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	1.68E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
1124	500017.9	3732686	8.87E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
1125	500008.7	3732682	8.60E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.59E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1126	499999.6	3732678	8.33E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.54E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1127	499990.5	3732674	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
1128	499981.4	3732671	7.79E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1129	499972.2	3732667	7.53E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1130	500328.5	3732786	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
1131	500335.6	3732792	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.40E-04	0.00E+00	0.00E+00
1132	500342.8	3732798	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
1133	500349.9	3732805	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
1134	500357	3732811	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.32E-04	0.00E+00	0.00E+00
1135	500364.1	3732817	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
1136	500371.3	3732824	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
1137	500378.4	3732830	9.94E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
1138	500385.5	3732836	9.79E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	1.81E-03	0.00E+00	0.00E+00	1.47E-04	3.15E-04	0.00E+00	0.00E+00
1139	500392.6	3732843	9.64E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
1140	500399.7	3732849	9.47E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
1141	500406.9	3732855	9.30E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
1142	500414	3732862	9.12E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
1143	500421.1	3732868	8.93E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
1144	500428.2	3732874	8.74E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
1145	500435.4	3732881	8.55E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
1146	500442.5	3732887	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1147	500449.6	3732893	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
1148	500456.7	3732900	7.95E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	1.46E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
1149	500463.8	3732906	7.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1150	500471	3732912	7.54E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1151	500478.1	3732919	7.34E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
1152	500485.2	3732925	7.13E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1153	500494	3732941	6.87E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
1154	500497.4	3732959	6.74E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
1155	500499.1	3732969	6.67E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1156	500500.8	3732978	6.60E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
1157	500502.5	3732988	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.82E-05	2.09E-04	0.00E+00	0.00E+00
1158	500504.2	3732997	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
1159	500505.9	3733006	6.36E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
1160	500507.6	3733016	6.28E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.16E-03	0.00E+00	0.00E+00	9.46E-05	2.02E-04	0.00E+00	0.00E+00
1161	500509.3	3733025	6.20E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
1162	500511	3733034	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
1163	500512.7	3733044	6.02E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
1164	500514.4	3733053	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.91E-04	0.00E+00	0.00E+00
1165	500516.1	3733063	5.84E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
1166	500321.4	3732779	1.07E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.61E-04	3.44E-04	0.00E+00	0.00E+00
1167	500312.3	3732776	1.09E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
1168	500303.2	3732772	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
1169	500294	3732768	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1170	500284.9	3732764	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
1171	500275.8	3732760	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
1172	500266.6	3732757	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1173	500257.5	3732753	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
1174	500248.4	3732749	1.15E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.73E-04	3.68E-04	0.00E+00	0.00E+00
1175	500239.3	3732745	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
1176	500230.1	3732741	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
1177	500193.6	3732726	1.14E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
1178	500184.5	3732723	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
1179	500175.4	3732719	1.12E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
1180	500166.3	3732715	1.11E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
1181	500157.1	3732711	1.10E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.53E-04	0.00E+00	0.00E+00
1182	500148	3732707	1.09E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
1183	500138.9	3732704	1.07E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.61E-04	3.44E-04	0.00E+00	0.00E+00
1184	500129.8	3732700	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1185	500120.6	3732696	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.56E-04	3.34E-04	0.00E+00	0.00E+00
1186	500111.5	3732692	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
1187	500102.4	3732688	1.00E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
1188	500093.2	3732685	9.82E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
1189	500084.1	3732681	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
1190	500075	3732677	9.40E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
1191	500065.9	3732673	9.18E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
1192	500056.7	3732669	8.95E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
1193	500047.6	3732666	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1194	500038.5	3732662	8.49E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
1195	500029.4	3732658	8.26E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
1196	500020.2	3732654	8.02E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
1197	500011.1	3732651	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1198	500002	3732647	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1199	499992.9	3732643	7.31E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
1200	499983.7	3732639	7.08E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
1201	500340	3732758	9.90E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
1202	500347.2	3732764	9.85E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
1203	500354.3	3732771	9.78E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
1204	500361.5	3732777	9.71E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
1205	500368.6	3732783	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
1206	500375.7	3732790	9.52E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04	1.76E-03	0.00E+00	0.00E+00	1.43E-04	3.06E-04	0.00E+00	0.00E+00
1207	500382.9	3732796	9.42E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
1208	500390	3732802	9.30E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
1209	500397.1	3732809	9.17E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
1210	500404.3	3732815	9.04E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1211	500411.4	3732821	8.90E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1212	500418.6	3732828	8.75E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
1213	500425.7	3732834	8.59E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1214	500432.8	3732840	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1215	500440	3732847	8.26E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
1216	500447.1	3732853	8.09E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1217	500454.2	3732860	7.92E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1218	500461.4	3732866	7.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1219	500468.5	3732872	7.56E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1220	500475.7	3732879	7.38E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1221	500482.8	3732885	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1222	500489.9	3732891	7.02E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
1223	500497.1	3732898	6.84E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
1224	500504.2	3732904	6.66E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1225	500511.3	3732910	6.48E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
1226	500520.2	3732926	6.24E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.01E-04	0.00E+00	0.00E+00
1227	500521.9	3732935	6.19E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
1228	500523.6	3732945	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00

1229	500527	3732964	5.99E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
1230	500528.7	3732973	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
1231	500530.4	3732982	5.85E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.08E-03	0.00E+00	0.00E+00	8.81E-05	1.88E-04	0.00E+00	0.00E+00
1232	500532.1	3732992	5.78E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.85E-04	0.00E+00	0.00E+00
1233	500533.8	3733001	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
1234	500535.5	3733011	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
1235	500537.2	3733020	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
1236	500538.9	3733029	5.47E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
1237	500540.6	3733039	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
1238	500542.3	3733048	5.31E-04	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
1239	500544	3733058	5.22E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
1240	500549.1	3733086	4.98E-04	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
1241	500555.8	3733123	4.66E-04	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00
1242	500332.9	3732752	9.94E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
1243	500323.8	3732748	1.01E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
1244	500314.7	3732744	1.02E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
1245	500305.5	3732740	1.03E-03	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.55E-04	3.30E-04	0.00E+00	0.00E+00
1246	500296.4	3732737	1.04E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.32E-04	0.00E+00	0.00E+00
1247	500287.3	3732733	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
1248	500278.2	3732729	1.05E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
1249	500269	3732725	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
1250	500259.9	3732721	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1251	500250.8	3732718	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
1252	500241.6	3732714	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
1253	500232.5	3732710	1.06E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1254	500223.4	3732706	1.05E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
1255	500186.9	3732691	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
1256	500177.8	3732687	1.02E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
1257	500168.6	3732683	1.01E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
1258	500159.5	3732680	1.00E-03	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.21E-04	0.00E+00	0.00E+00
1259	500150.4	3732676	9.87E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
1260	500141.3	3732672	9.73E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
1261	500132.1	3732668	9.58E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
1262	500123	3732665	9.42E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
1263	500113.9	3732661	9.26E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1264	500104.8	3732657	9.08E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.92E-04	0.00E+00	0.00E+00
1265	500095.6	3732653	8.90E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1266	500086.5	3732649	8.71E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1267	500077.4	3732646	8.52E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
1268	500068.3	3732642	8.32E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1269	500059.1	3732638	8.12E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
1270	500050	3732634	7.92E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1271	500040.9	3732630	7.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
1272	500031.7	3732627	7.51E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
1273	500022.6	3732623	7.30E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
1274	500013.5	3732619	7.09E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1275	500004.4	3732615	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1276	499995.2	3732611	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1277	500351.6	3732730	9.22E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
1278	500358.7	3732737	9.18E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
1279	500365.9	3732743	9.12E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
1280	500373	3732749	9.06E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1281	500380.2	3732756	8.99E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
1282	500387.3	3732762	8.91E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1283	500394.5	3732768	8.82E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
1284	500401.6	3732775	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1285	500408.8	3732781	8.61E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
1286	500415.9	3732788	8.50E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
1287	500423.1	3732794	8.37E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
1288	500430.2	3732800	8.25E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
1289	500437.4	3732807	8.11E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1290	500444.5	3732813	7.97E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
1291	500451.7	3732819	7.83E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
1292	500458.8	3732826	7.68E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.41E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
1293	500466	3732832	7.52E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
1294	500473.1	3732838	7.37E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1295	500480.3	3732845	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1296	500487.4	3732851	7.05E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1297	500494.6	3732857	6.89E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1298	500501.7	3732864	6.72E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
1299	500508.9	3732870	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1300	500516	3732876	6.40E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
1301	500523.2	3732883	6.23E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	1.15E-03	0.00E+00	0.00E+00	9.39E-05	2.00E-04	0.00E+00	0.00E+00
1302	500530.3	3732889	6.07E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.12E-03	0.00E+00	0.00E+00	9.14E-05	1.95E-04	0.00E+00	0.00E+00
1303	500537.5	3732896	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1304	500546.3	3732911	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
1305	500548	3732921	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
1306	500549.7	3732930	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
1307	500556.6	3732968	5.34E-04	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
1308	500558.3	3732977	5.27E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
1309	500560	3732987	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
1310	500561.7	3732996	5.13E-04	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
1311	500563.4	3733005	5.06E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
1312	500565.1	3733015	4.99E-04	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
1313	500566.8	3733024	4.92E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
1314	500568.5	3733034	4.84E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
1315	500570.2	3733043	4.77E-04	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
1316	500571.9	3733053	4.70E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.66E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
1317	500573.6	3733062	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
1318	500575.3	3733071	4.55E-04	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
1319	500577	3733081	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
1320	500578.7	3733090	4.40E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
1321	500580.4	3733100	4.33E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
1322	500583.8	3733118	4.19E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
1323	500585.5	3733128	4.12E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
1324	500590.6	3733156	3.92E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
1325	500344.4	3732724	9.25E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	1.71E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1326	500335.3	3732720	9.35E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
1327	500326.2	3732716	9.44E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
1328	500317	3732713	9.52E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.06E-04	0.00E+00	0.00E+00
1329	500307.9	3732709	9.59E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
1330	500298.8	3732705	9.65E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
1331	500289.7	3732701	9.70E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1332	500280.5	3732697	9.73E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1333	500271.4	3732694	9.76E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1334	500262.3	3732690	9.77E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
1335	500253.2	3732686	9.77E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
1336	500244	3732682	9.76E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1337	500234.9	3732679	9.73E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
1338	500225.8	3732675	9.69E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
1339	500189.3	3732660	9.43E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
1340	500180.1	3732656	9.34E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00

1341	500171	3732652	9.24E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
1342	500161.9	3732648	9.13E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
1343	500152.8	3732644	9.00E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
1344	500143.6	3732641	8.87E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
1345	500134.5	3732637	8.73E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1346	500125.4	3732633	8.59E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
1347	500116.3	3732629	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1348	500107.1	3732625	8.27E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
1349	500098	3732622	8.11E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1350	500088.9	3732618	7.94E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
1351	500079.8	3732614	7.77E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1352	500070.6	3732610	7.59E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
1353	500061.5	3732606	7.41E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
1354	500052.4	3732603	7.23E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1355	500043.3	3732599	7.04E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1356	500034.1	3732595	6.86E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
1357	500025	3732591	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
1358	500015.9	3732588	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
1359	500006.8	3732584	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
1360	500363.1	3732703	8.61E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
1361	500370.3	3732709	8.57E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
1362	500377.4	3732715	8.53E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
1363	500384.6	3732722	8.48E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
1364	500391.7	3732728	8.42E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
1365	500398.9	3732734	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1366	500406.1	3732741	8.28E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
1367	500413.2	3732747	8.19E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
1368	500420.4	3732754	8.10E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
1369	500427.6	3732760	8.00E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
1370	500434.7	3732766	7.90E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1371	500441.9	3732773	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1372	500449	3732779	7.67E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
1373	500456.2	3732785	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1374	500463.4	3732792	7.42E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
1375	500470.5	3732798	7.29E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
1376	500477.7	3732804	7.15E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1377	500484.9	3732811	7.02E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
1378	500492	3732817	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1379	500499.2	3732824	6.73E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
1380	500506.3	3732830	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
1381	500513.5	3732836	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
1382	500520.7	3732843	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
1383	500527.8	3732849	6.15E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.26E-05	1.97E-04	0.00E+00	0.00E+00
1384	500535	3732855	6.00E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
1385	500542.2	3732862	5.85E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.08E-03	0.00E+00	0.00E+00	8.81E-05	1.88E-04	0.00E+00	0.00E+00
1386	500549.3	3732868	5.71E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
1387	500556.5	3732874	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1388	500563.6	3732881	5.42E-04	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
1389	500572.5	3732897	5.22E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
1390	500574.2	3732906	5.17E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.53E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
1391	500575.9	3732916	5.12E-04	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.43E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
1392	500577.6	3732925	5.06E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
1393	500579.3	3732934	5.00E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
1394	500584.4	3732963	4.82E-04	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
1395	500586.1	3732972	4.76E-04	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
1396	500587.8	3732982	4.70E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.66E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
1397	500589.6	3732991	4.64E-04	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
1398	500591.3	3733000	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
1399	500593	3733010	4.51E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
1400	500594.7	3733019	4.44E-04	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
1401	500596.4	3733029	4.37E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
1402	500598.1	3733038	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
1403	500599.8	3733048	4.24E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
1404	500601.5	3733057	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
1405	500603.2	3733066	4.11E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
1406	500604.9	3733076	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
1407	500606.6	3733085	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
1408	500608.3	3733095	3.92E-04	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
1409	500610	3733104	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
1410	500611.7	3733114	3.79E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
1411	500613.4	3733123	3.73E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
1412	500615.1	3733132	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
1413	500616.8	3733142	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
1414	500618.5	3733151	3.56E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
1415	500355.9	3732696	8.63E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
1416	500346.8	3732692	8.72E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
1417	500337.7	3732689	8.79E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
1418	500328.6	3732685	8.86E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
1419	500319.4	3732681	8.92E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
1420	500310.3	3732677	8.97E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
1421	500301.2	3732674	9.01E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
1422	500292	3732670	9.03E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1423	500282.9	3732666	9.05E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1424	500273.8	3732662	9.06E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1425	500264.7	3732658	9.06E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
1426	500255.5	3732655	9.04E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1427	500246.4	3732651	9.02E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
1428	500237.3	3732647	8.98E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
1429	500228.2	3732643	8.94E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
1430	500191.7	3732628	8.66E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04	1.60E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
1431	500182.5	3732624	8.57E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
1432	500173.4	3732620	8.47E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
1433	500045.6	3732567	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
1434	500036.5	3732564	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.49E-05	2.02E-04	0.00E+00	0.00E+00
1435	500027.4	3732560	6.14E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
1436	500018.3	3732556	5.98E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
1437	500374.6	3732675	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
1438	500381.8	3732681	8.03E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
1439	500389	3732688	8.00E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
1440	500396.1	3732694	7.95E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
1441	500403.3	3732700	7.91E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
1442	500410.5	3732707	7.85E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
1443	500417.6	3732713	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1444	500424.8	3732720	7.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
1445	500432	3732726	7.63E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
1446	500439.2	3732732	7.55E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1447	500446.3	3732739	7.46E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
1448	500453.5	3732745	7.36E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
1449	500460.7	3732751	7.26E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
1450	500467.9	3732758	7.15E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1451	500475	3732764	7.04E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
1452	500482.2	3732771	6.93E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00

1453	500489.4	3732777	6.81E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
1454	500496.5	3732783	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1455	500503.7	3732790	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1456	500510.9	3732796	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
1457	500518.1	3732802	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
1458	500525.2	3732809	6.18E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
1459	500532.4	3732815	6.04E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.10E-05	1.94E-04	0.00E+00	0.00E+00
1460	500539.6	3732822	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1461	500546.8	3732828	5.78E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
1462	500553.9	3732834	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
1463	500561.1	3732841	5.51E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.02E-03	0.00E+00	0.00E+00	8.29E-05	1.77E-04	0.00E+00	0.00E+00
1464	500568.3	3732847	5.37E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
1465	500575.4	3732853	5.24E-04	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.66E-04	0.00E+00	0.00E+00	7.89E-05	1.68E-04	0.00E+00	0.00E+00
1466	500582.6	3732860	5.11E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
1467	500589.8	3732866	4.98E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
1468	500598.7	3732882	4.80E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
1469	500600.4	3732891	4.75E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.76E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
1470	500602.1	3732901	4.70E-04	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
1471	500603.8	3732910	4.65E-04	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.49E-04	0.00E+00	0.00E+00
1472	500605.5	3732920	4.60E-04	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
1473	500607.2	3732929	4.55E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
1474	500614	3732967	4.33E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
1475	500615.7	3732976	4.27E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
1476	500617.4	3732986	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
1477	500619.1	3732995	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
1478	500620.9	3733005	4.09E-04	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
1479	500622.6	3733014	4.03E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
1480	500624.3	3733024	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
1481	500626	3733033	3.91E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
1482	500627.7	3733042	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
1483	500629.4	3733052	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
1484	500631.1	3733061	3.74E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
1485	500632.8	3733071	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
1486	500634.5	3733080	3.62E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
1487	500636.2	3733090	3.56E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.14E-04	0.00E+00	0.00E+00
1488	500637.9	3733099	3.51E-04	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
1489	500639.6	3733109	3.45E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
1490	500641.3	3733118	3.40E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
1491	500643	3733127	3.35E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
1492	500644.8	3733137	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
1493	500646.5	3733146	3.24E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
1494	500648.2	3733156	3.19E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
1495	500649.9	3733165	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
1496	500367.4	3732669	8.08E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
1497	500358.3	3732665	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
1498	500349.2	3732661	8.21E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
1499	500340.1	3732657	8.27E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.66E-04	0.00E+00	0.00E+00
1500	500330.9	3732653	8.32E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
1501	500321.8	3732650	8.36E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
1502	500312.7	3732646	8.39E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	1.55E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
1503	500303.6	3732642	8.41E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
1504	500294.4	3732638	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1505	500285.3	3732634	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1506	500276.2	3732631	8.42E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
1507	500194	3732597	7.98E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
1508	500184.9	3732593	7.89E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
1509	500175.8	3732589	7.79E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1510	500166.7	3732585	7.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
1511	500157.5	3732581	7.58E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1512	500148.4	3732578	7.47E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
1513	500139.3	3732574	7.35E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.35E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
1514	500130.2	3732570	7.22E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
1515	500121	3732566	7.09E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1516	500111.9	3732562	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1517	500102.8	3732559	6.82E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
1518	500093.7	3732555	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1519	500084.5	3732551	6.54E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
1520	500075.4	3732547	6.40E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
1521	500066.3	3732543	6.25E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
1522	500057.1	3732540	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
1523	500048	3732536	5.96E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.91E-04	0.00E+00	0.00E+00
1524	500386.1	3732647	7.56E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1525	500393.3	3732654	7.54E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
1526	500400.5	3732660	7.51E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
1527	500407.7	3732666	7.48E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
1528	500414.9	3732673	7.44E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
1529	500422	3732679	7.39E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
1530	500429.2	3732686	7.33E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
1531	500436.4	3732692	7.27E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.34E-04	0.00E+00	0.00E+00
1532	500443.6	3732698	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1533	500450.8	3732705	7.13E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1534	500457.9	3732711	7.06E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
1535	500465.1	3732717	6.97E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
1536	500472.3	3732724	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1537	500479.5	3732730	6.79E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
1538	500486.7	3732737	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1539	500493.9	3732743	6.59E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.22E-03	0.00E+00	0.00E+00	9.93E-05	2.12E-04	0.00E+00	0.00E+00
1540	500501	3732749	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.77E-05	2.08E-04	0.00E+00	0.00E+00
1541	500508.2	3732756	6.38E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.61E-05	2.05E-04	0.00E+00	0.00E+00
1542	500515.4	3732762	6.27E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.16E-03	0.00E+00	0.00E+00	9.44E-05	2.01E-04	0.00E+00	0.00E+00
1543	500522.6	3732769	6.16E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.13E-03	0.00E+00	0.00E+00	9.27E-05	1.98E-04	0.00E+00	0.00E+00
1544	500529.8	3732775	6.04E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
1545	500536.9	3732781	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
1546	500544.1	3732788	5.80E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.86E-04	0.00E+00	0.00E+00
1547	500551.3	3732794	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.82E-04	0.00E+00	0.00E+00
1548	500558.5	3732800	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1549	500565.7	3732807	5.44E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
1550	500572.8	3732813	5.32E-04	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
1551	500580	3732820	5.19E-04	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
1552	500587.2	3732826	5.07E-04	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
1553	500594.4	3732832	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
1554	500601.6	3732839	4.83E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
1555	500608.8	3732845	4.71E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
1556	500615.9	3732851	4.59E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
1557	500624.8	3732867	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
1558	500626.5	3732877	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
1559	500628.2	3732886	4.34E-04	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
1560	500630	3732896	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
1561	500631.7	3732905	4.25E-04	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.40E-05	1.36E-04	0.00E+00	0.00E+00
1562	500633.4	3732915	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
1563	500635.1	3732924	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
1564	500636.8	3732933	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00

1565	500641.9	3732962	3.94E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
1566	500643.6	3732971	3.89E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
1567	500645.3	3732981	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
1568	500647	3732990	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
1569	500648.8	3733000	3.73E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
1570	500650.5	3733009	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
1571	500652.2	3733019	3.62E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
1572	500653.9	3733028	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
1573	500655.6	3733037	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
1574	500657.3	3733047	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
1575	500659	3733056	3.41E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
1576	500660.7	3733066	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
1577	500662.4	3733075	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
1578	500664.1	3733085	3.26E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
1579	500665.8	3733094	3.21E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
1580	500667.6	3733104	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
1581	500669.3	3733113	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
1582	500671	3733123	3.06E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
1583	500672.7	3733132	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
1584	500674.4	3733141	2.97E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
1585	500676.1	3733151	2.93E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.39E-04	0.00E+00	0.00E+00	4.41E-05	9.40E-05	0.00E+00	0.00E+00
1586	500677.8	3733160	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
1587	500679.5	3733170	2.84E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.12E-05	0.00E+00	0.00E+00
1588	500378.9	3732641	7.57E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
1589	500369.8	3732637	7.64E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
1590	500360.7	3732633	7.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
1591	500351.6	3732630	7.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1592	500342.4	3732626	7.78E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1593	500333.3	3732622	7.81E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
1594	500296.8	3732607	7.87E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.53E-04	0.00E+00	0.00E+00
1595	500287.7	3732603	7.86E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
1596	500278.6	3732599	7.85E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
1597	500269.4	3732595	7.82E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
1598	500260.3	3732592	7.79E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
1599	500251.2	3732588	7.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
1600	500242.1	3732584	7.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
1601	500232.9	3732580	7.66E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
1602	500187.3	3732561	7.28E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
1603	500178.2	3732557	7.19E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1604	500169	3732554	7.09E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1605	500159.9	3732550	6.99E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
1606	500150.8	3732546	6.89E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
1607	500141.7	3732542	6.77E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
1608	500132.5	3732539	6.66E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
1609	500123.4	3732535	6.54E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
1610	500114.3	3732531	6.42E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
1611	500105.2	3732527	6.29E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
1612	500096	3732523	6.17E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.29E-05	1.98E-04	0.00E+00	0.00E+00
1613	500086.9	3732520	6.04E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
1614	500077.8	3732516	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1615	500068.7	3732512	5.78E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
1616	500059.5	3732508	5.65E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.81E-04	0.00E+00	0.00E+00
1617	500050.4	3732504	5.52E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
1618	500041.3	3732501	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
1619	500401.6	3732610	6.97E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
1620	500408.9	3732617	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1621	500416.3	3732623	6.93E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
1622	500423.6	3732630	6.91E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
1623	500430.9	3732636	6.87E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
1624	500438.2	3732643	6.83E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
1625	500445.6	3732650	6.79E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
1626	500452.9	3732656	6.74E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
1627	500460.2	3732663	6.68E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
1628	500467.5	3732669	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
1629	500474.9	3732676	6.55E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.87E-05	2.10E-04	0.00E+00	0.00E+00
1630	500482.2	3732682	6.48E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
1631	500489.5	3732689	6.41E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
1632	500496.8	3732695	6.33E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
1633	500504.2	3732702	6.24E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.00E-04	0.00E+00	0.00E+00
1634	500511.5	3732708	6.15E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.27E-05	1.98E-04	0.00E+00	0.00E+00
1635	500518.8	3732715	6.06E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
1636	500526.1	3732721	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
1637	500533.5	3732728	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.88E-04	0.00E+00	0.00E+00
1638	500540.8	3732734	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
1639	500548.1	3732741	5.67E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
1640	500555.4	3732747	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1641	500562.8	3732754	5.46E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
1642	500570.1	3732760	5.35E-04	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.85E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
1643	500577.4	3732767	5.24E-04	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.65E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
1644	500584.7	3732773	5.13E-04	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
1645	500592.1	3732780	5.02E-04	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
1646	500599.4	3732786	4.91E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.04E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
1647	500606.7	3732793	4.80E-04	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
1648	500614	3732799	4.69E-04	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.06E-05	1.50E-04	0.00E+00	0.00E+00
1649	500621.4	3732806	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
1650	500628.7	3732812	4.47E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.24E-04	0.00E+00	0.00E+00	6.73E-05	1.44E-04	0.00E+00	0.00E+00
1651	500636	3732819	4.36E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
1652	500643.3	3732825	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
1653	500650.7	3732832	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
1654	500659.7	3732848	4.01E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
1655	500661.5	3732858	3.96E-04	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
1656	500663.2	3732867	3.92E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
1657	500665	3732877	3.88E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
1658	500666.7	3732886	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
1659	500668.5	3732896	3.79E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
1660	500670.2	3732906	3.75E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
1661	500671.9	3732915	3.70E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
1662	500673.7	3732925	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
1663	500675.4	3732935	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
1664	500680.7	3732964	3.46E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
1665	500682.4	3732973	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
1666	500684.1	3732983	3.37E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
1667	500685.9	3732993	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
1668	500687.6	3733002	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
1669	500689.4	3733012	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
1670	500691.1	3733021	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
1671	500692.9	3733031	3.13E-04	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.01E-04	0.00E+00	0.00E+00
1672	500694.6	3733041	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
1673	500696.3	3733050	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.76E-05	0.00E+00	0.00E+00
1674	500698.1	3733060	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.61E-05	0.00E+00	0.00E+00
1675	500699.8	3733070	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
1676	500701.6	3733079	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00

1677	500703.3	3733089	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
1678	500705.1	3733099	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
1679	500706.8	3733108	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
1680	500708.5	3733118	2.73E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.11E-05	8.78E-05	0.00E+00	0.00E+00
1681	500710.3	3733128	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.65E-05	0.00E+00	0.00E+00
1682	500712	3733137	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.52E-05	0.00E+00	0.00E+00
1683	500713.8	3733147	2.61E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.82E-04	0.00E+00	0.00E+00	3.94E-05	8.40E-05	0.00E+00	0.00E+00
1684	500715.5	3733156	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
1685	500717.3	3733166	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.16E-05	0.00E+00	0.00E+00
1686	500719	3733176	2.50E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
1687	500376	3732596	7.07E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
1688	500366.9	3732593	7.11E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1689	500357.8	3732589	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.29E-04	0.00E+00	0.00E+00
1690	500348.7	3732585	7.17E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1691	500339.5	3732581	7.19E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1692	500330.4	3732577	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1693	500321.3	3732574	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1694	500312.2	3732570	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1695	500303	3732566	7.20E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.33E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1696	500293.9	3732562	7.18E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
1697	500284.8	3732558	7.16E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
1698	500275.7	3732555	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
1699	500266.5	3732551	7.10E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
1700	500257.4	3732547	7.06E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
1701	500248.3	3732543	7.01E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
1702	500239.1	3732539	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
1703	500230	3732536	6.90E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
1704	500193.5	3732521	6.61E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
1705	500184.4	3732517	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.82E-05	2.10E-04	0.00E+00	0.00E+00
1706	500175.3	3732513	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
1707	500166.1	3732509	6.34E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
1708	500157	3732505	6.25E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
1709	500147.9	3732502	6.15E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.26E-05	1.97E-04	0.00E+00	0.00E+00
1710	500138.8	3732498	6.05E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.11E-03	0.00E+00	0.00E+00	9.10E-05	1.94E-04	0.00E+00	0.00E+00
1711	500129.6	3732494	5.94E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
1712	500120.5	3732490	5.83E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
1713	500111.4	3732486	5.72E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.06E-03	0.00E+00	0.00E+00	8.62E-05	1.84E-04	0.00E+00	0.00E+00
1714	500102.3	3732483	5.61E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.45E-05	1.80E-04	0.00E+00	0.00E+00
1715	500093.1	3732479	5.50E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
1716	500084	3732475	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
1717	500074.9	3732471	5.27E-04	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
1718	500065.7	3732467	5.16E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
1719	500056.6	3732464	5.05E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
1720	500416.9	3732573	6.45E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
1721	500424.2	3732580	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
1722	500431.4	3732586	6.42E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.67E-05	2.06E-04	0.00E+00	0.00E+00
1723	500453.2	3732606	6.35E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
1724	500460.5	3732612	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
1725	500467.7	3732619	6.27E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.16E-03	0.00E+00	0.00E+00	9.44E-05	2.01E-04	0.00E+00	0.00E+00
1726	500475	3732625	6.23E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	1.15E-03	0.00E+00	0.00E+00	9.38E-05	2.00E-04	0.00E+00	0.00E+00
1727	500482.3	3732632	6.18E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
1728	500489.5	3732638	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
1729	500496.8	3732644	6.07E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
1730	500504.1	3732651	6.00E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.04E-05	1.93E-04	0.00E+00	0.00E+00
1731	500511.3	3732657	5.94E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
1732	500518.6	3732664	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
1733	500525.8	3732670	5.79E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
1734	500533.1	3732677	5.72E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.05E-03	0.00E+00	0.00E+00	8.61E-05	1.84E-04	0.00E+00	0.00E+00
1735	500540.4	3732683	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
1736	500547.6	3732690	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
1737	500554.9	3732696	5.47E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
1738	500562.2	3732703	5.38E-04	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.92E-04	0.00E+00	0.00E+00	8.10E-05	1.73E-04	0.00E+00	0.00E+00
1739	500569.4	3732709	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
1740	500576.7	3732715	5.20E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
1741	500583.9	3732722	5.10E-04	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.41E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
1742	500591.2	3732728	5.01E-04	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
1743	500598.5	3732735	4.91E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
1744	500605.7	3732741	4.82E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
1745	500613	3732748	4.72E-04	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
1746	500620.3	3732754	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
1747	500627.5	3732761	4.53E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
1748	500634.8	3732767	4.43E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
1749	500642	3732774	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
1750	500649.3	3732780	4.23E-04	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
1751	500656.6	3732786	4.14E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
1752	500663.8	3732793	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
1753	500671.1	3732799	3.95E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
1754	500678.4	3732806	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
1755	500685.6	3732812	3.76E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
1756	500694.6	3732828	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
1757	500696.3	3732838	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
1758	500698.1	3732847	3.56E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.14E-04	0.00E+00	0.00E+00
1759	500699.8	3732857	3.53E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
1760	500701.5	3732866	3.49E-04	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
1761	500703.2	3732876	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
1762	500705	3732886	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
1763	500706.7	3732895	3.37E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
1764	500708.4	3732905	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
1765	500710.2	3732914	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
1766	500711.9	3732924	3.24E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
1767	500713.6	3732933	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
1768	500718.8	3732962	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
1769	500720.5	3732972	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
1770	500722.3	3732981	2.99E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.61E-05	0.00E+00	0.00E+00
1771	500724	3732991	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
1772	500725.7	3733000	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
1773	500727.4	3733010	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
1774	500729.2	3733019	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
1775	500730.9	3733029	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
1776	500732.6	3733039	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
1777	500734.4	3733048	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
1778	500736.1	3733058	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
1779	500737.8	3733067	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
1780	500739.5	3733077	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
1781	500741.3	3733086	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
1782	500743	3733096	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.09E-05	0.00E+00	0.00E+00
1783	500744.7	3733105	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
1784	500746.5	3733115	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
1785	500748.2	3733125	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
1786	500749.9	3733134	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
1787	500751.6	3733144	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
1788	500753.4	3733153	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00

1789	500755.1	3733163	2.29E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
1790	500756.8	3733172	2.26E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.24E-05	0.00E+00	0.00E+00
1791	500758.6	3733182	2.23E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
1792	500409.6	3732567	6.45E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.72E-05	2.07E-04	0.00E+00	0.00E+00
1793	500400.5	3732563	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
1794	500391.4	3732559	6.53E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.83E-05	2.10E-04	0.00E+00	0.00E+00
1795	500382.3	3732556	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1796	500373.1	3732552	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
1797	500364	3732548	6.61E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
1798	500354.9	3732544	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
1799	500345.8	3732540	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
1800	500336.6	3732537	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
1801	500327.5	3732533	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
1802	500318.4	3732529	6.62E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
1803	500309.2	3732525	6.61E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
1804	500300.1	3732522	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
1805	500291	3732518	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
1806	500281.9	3732514	6.53E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.83E-05	2.10E-04	0.00E+00	0.00E+00
1807	500272.7	3732510	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
1808	500263.6	3732506	6.45E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.72E-05	2.07E-04	0.00E+00	0.00E+00
1809	500254.5	3732503	6.41E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.64E-05	2.06E-04	0.00E+00	0.00E+00
1810	500245.4	3732499	6.35E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.57E-05	2.04E-04	0.00E+00	0.00E+00
1811	500236.2	3732495	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
1812	500190.6	3732476	5.95E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.96E-05	1.91E-04	0.00E+00	0.00E+00
1813	500181.5	3732472	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
1814	500172.4	3732468	5.78E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
1815	500163.2	3732465	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
1816	500154.1	3732461	5.61E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.45E-05	1.80E-04	0.00E+00	0.00E+00
1817	500145	3732457	5.52E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
1818	500135.8	3732453	5.42E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	1.00E-03	0.00E+00	0.00E+00	8.17E-05	1.74E-04	0.00E+00	0.00E+00
1819	500126.7	3732449	5.33E-04	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
1820	500117.6	3732446	5.23E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
1821	500108.5	3732442	5.13E-04	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
1822	500099.3	3732438	5.04E-04	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.28E-04	0.00E+00	0.00E+00	7.58E-05	1.62E-04	0.00E+00	0.00E+00
1823	500090.2	3732434	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
1824	500081.1	3732431	4.84E-04	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.92E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
1825	500072	3732427	4.74E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
1826	500432.4	3732537	5.99E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
1827	500439.8	3732543	5.98E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
1828	500447.1	3732550	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
1829	500454.5	3732556	5.95E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.96E-05	1.91E-04	0.00E+00	0.00E+00
1830	500461.9	3732563	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.91E-04	0.00E+00	0.00E+00
1831	500469.3	3732569	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
1832	500476.7	3732576	5.88E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
1833	500498.8	3732596	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
1834	500506.2	3732602	5.72E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.05E-03	0.00E+00	0.00E+00	8.61E-05	1.84E-04	0.00E+00	0.00E+00
1835	500513.6	3732609	5.67E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.05E-03	0.00E+00	0.00E+00	8.54E-05	1.82E-04	0.00E+00	0.00E+00
1836	500521	3732615	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
1837	500528.4	3732622	5.56E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.02E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
1838	500535.8	3732628	5.50E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
1839	500543.1	3732635	5.43E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
1840	500550.5	3732642	5.37E-04	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
1841	500557.9	3732648	5.29E-04	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
1842	500565.3	3732655	5.22E-04	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
1843	500572.7	3732661	5.14E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
1844	500580.1	3732668	5.07E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.34E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
1845	500587.4	3732674	4.99E-04	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
1846	500594.8	3732681	4.90E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
1847	500602.2	3732688	4.82E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
1848	500609.6	3732694	4.74E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
1849	500617	3732701	4.65E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
1850	500624.4	3732707	4.56E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
1851	500631.8	3732714	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
1852	500639.1	3732720	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
1853	500646.5	3732727	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
1854	500653.9	3732733	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
1855	500661.3	3732740	4.12E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.21E-05	1.32E-04	0.00E+00	0.00E+00
1856	500668.7	3732747	4.03E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.44E-04	0.00E+00	0.00E+00	6.07E-05	1.30E-04	0.00E+00	0.00E+00
1857	500676.1	3732753	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
1858	500683.4	3732760	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
1859	500690.8	3732766	3.77E-04	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.95E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
1860	500698.2	3732773	3.69E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.79E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
1861	500705.6	3732779	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
1862	500713	3732786	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
1863	500720.4	3732793	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
1864	500729.5	3732809	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
1865	500731.3	3732819	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
1866	500733	3732828	3.25E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
1867	500734.8	3732838	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
1868	500736.5	3732848	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
1869	500738.3	3732857	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
1870	500740.1	3732867	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
1871	500741.8	3732877	3.07E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.62E-05	9.86E-05	0.00E+00	0.00E+00
1872	500743.6	3732887	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
1873	500745.3	3732896	3.00E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
1874	500747.1	3732906	2.96E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
1875	500748.8	3732916	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
1876	500750.6	3732925	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
1877	500752.4	3732935	2.85E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
1878	500757.6	3732964	2.73E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
1879	500759.4	3732974	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
1880	500761.1	3732984	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
1881	500762.9	3732994	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
1882	500764.7	3733003	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
1883	500766.4	3733013	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
1884	500768.2	3733023	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
1885	500769.9	3733032	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
1886	500771.7	3733042	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
1887	500773.4	3733052	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.73E-05	0.00E+00	0.00E+00
1888	500775.2	3733062	2.37E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.38E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
1889	500777	3733071	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.52E-05	0.00E+00	0.00E+00
1890	500778.7	3733081	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.48E-05	7.41E-05	0.00E+00	0.00E+00
1891	500780.5	3733091	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.31E-05	0.00E+00	0.00E+00
1892	500782.2	3733100	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
1893	500784	3733110	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
1894	500785.7	3733120	2.18E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
1895	500787.5	3733130	2.16E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
1896	500789.3	3733139	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
1897	500791	3733149	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
1898	500792.8	3733159	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
1899	500794.5	3733169	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
1900	500796.3	3733178	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00

1901	500798	3733188	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
1902	500425	3732530	5.99E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
1903	500415.9	3732526	6.02E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
1904	500406.7	3732522	6.05E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
1905	500397.6	3732519	6.08E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.15E-05	1.95E-04	0.00E+00	0.00E+00
1906	500388.5	3732515	6.10E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
1907	500379.4	3732511	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
1908	500370.2	3732507	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
1909	500361.1	3732504	6.13E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
1910	500352	3732500	6.13E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
1911	500342.8	3732496	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
1912	500333.7	3732492	6.12E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.96E-04	0.00E+00	0.00E+00
1913	500324.6	3732488	6.10E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
1914	500315.5	3732485	6.08E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
1915	500306.3	3732481	6.06E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.95E-04	0.00E+00	0.00E+00
1916	500297.2	3732477	6.03E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.08E-05	1.94E-04	0.00E+00	0.00E+00
1917	500288.1	3732473	6.00E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
1918	500279	3732469	5.96E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
1919	500269.8	3732466	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
1920	500260.7	3732462	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
1921	500251.6	3732458	5.82E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	1.07E-03	0.00E+00	0.00E+00	8.77E-05	1.87E-04	0.00E+00	0.00E+00
1922	500242.5	3732454	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
1923	500233.3	3732450	5.71E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
1924	500196.8	3732435	5.45E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
1925	500187.7	3732431	5.38E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
1926	500178.6	3732428	5.30E-04	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.77E-04	0.00E+00	0.00E+00	7.98E-05	1.70E-04	0.00E+00	0.00E+00
1927	500169.4	3732424	5.22E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
1928	500160.3	3732420	5.14E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
1929	500151.2	3732416	5.06E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
1930	500142.1	3732413	4.98E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
1931	500132.9	3732409	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
1932	500123.8	3732405	4.81E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
1933	500114.7	3732401	4.72E-04	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
1934	500105.6	3732397	4.63E-04	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
1935	500096.4	3732394	4.54E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
1936	500087.3	3732390	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
1937	500447.7	3732500	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
1938	500455	3732506	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
1939	500462.3	3732513	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
1940	500469.6	3732519	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
1941	500477	3732526	5.54E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.34E-05	1.78E-04	0.00E+00	0.00E+00
1942	500484.3	3732532	5.52E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
1943	500491.6	3732539	5.50E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.77E-04	0.00E+00	0.00E+00
1944	500498.9	3732545	5.47E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
1945	500506.3	3732552	5.44E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
1946	500513.6	3732558	5.40E-04	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
1947	500520.9	3732565	5.37E-04	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
1948	500528.2	3732571	5.33E-04	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
1949	500550.2	3732591	5.18E-04	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
1950	500557.5	3732597	5.13E-04	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
1951	500564.9	3732604	5.07E-04	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
1952	500572.2	3732610	5.01E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
1953	500579.5	3732617	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
1954	500586.8	3732623	4.88E-04	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
1955	500594.2	3732630	4.82E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
1956	500601.5	3732636	4.75E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
1957	500608.8	3732643	4.68E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
1958	500616.1	3732649	4.60E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.49E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
1959	500623.5	3732656	4.53E-04	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
1960	500630.8	3732662	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
1961	500638.1	3732669	4.38E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
1962	500645.4	3732675	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
1963	500652.8	3732682	4.23E-04	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
1964	500660.1	3732688	4.15E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
1965	500667.4	3732695	4.07E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
1966	500674.7	3732701	3.99E-04	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
1967	500682.1	3732708	3.91E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
1968	500689.4	3732714	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
1969	500696.7	3732721	3.75E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
1970	500704	3732727	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
1971	500711.4	3732734	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
1972	500718.7	3732740	3.52E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
1973	500726	3732747	3.44E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
1974	500733.3	3732753	3.37E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
1975	500740.7	3732760	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
1976	500748	3732766	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
1977	500755.3	3732773	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
1978	500764.4	3732789	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
1979	500766.1	3732799	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
1980	500767.9	3732808	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
1981	500769.6	3732818	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
1982	500771.4	3732828	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
1983	500773.1	3732837	2.89E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.27E-05	0.00E+00	0.00E+00
1984	500774.8	3732847	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
1985	500776.6	3732857	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
1986	500778.3	3732866	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
1987	500780.1	3732876	2.75E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
1988	500781.8	3732886	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
1989	500783.6	3732895	2.69E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
1990	500785.3	3732905	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
1991	500787	3732915	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
1992	500788.8	3732924	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
1993	500790.5	3732934	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
1994	500797.5	3732972	2.42E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.78E-05	0.00E+00	0.00E+00
1995	500799.2	3732982	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
1996	500801	3732992	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
1997	500802.7	3733001	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
1998	500804.5	3733011	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00
1999	500806.2	3733021	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
2000	500808	3733030	2.23E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.18E-05	0.00E+00	0.00E+00
2001	500809.7	3733040	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
2002	500811.4	3733050	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
2003	500813.2	3733059	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
2004	500814.9	3733069	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
2005	500816.7	3733078	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
2006	500818.4	3733088	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.62E-05	0.00E+00	0.00E+00
2007	500820.2	3733098	2.04E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.54E-05	0.00E+00	0.00E+00
2008	500821.9	3733107	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.03E-05	6.45E-05	0.00E+00	0.00E+00
2009	500823.6	3733117	1.98E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
2010	500825.4	3733127	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
2011	500827.1	3733136	1.93E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
2012	500828.9	3733146	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00

2013	500830.6	3733156	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
2014	500832.4	3733165	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
2015	500834.1	3733175	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
2016	500835.8	3733185	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
2017	500837.6	3733194	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
2018	500440.3	3732493	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
2019	500431.2	3732489	5.60E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.43E-05	1.80E-04	0.00E+00	0.00E+00
2020	500422.1	3732486	5.63E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
2021	500412.9	3732482	5.65E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
2022	500403.8	3732478	5.66E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
2023	500394.7	3732474	5.67E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.05E-03	0.00E+00	0.00E+00	8.54E-05	1.82E-04	0.00E+00	0.00E+00
2024	500385.6	3732470	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.55E-05	1.82E-04	0.00E+00	0.00E+00
2025	500376.4	3732467	5.69E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
2026	500367.3	3732463	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
2027	500358.2	3732459	5.68E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.05E-03	0.00E+00	0.00E+00	8.55E-05	1.82E-04	0.00E+00	0.00E+00
2028	500349.1	3732455	5.67E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.05E-03	0.00E+00	0.00E+00	8.54E-05	1.82E-04	0.00E+00	0.00E+00
2029	500339.9	3732451	5.66E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
2030	500330.8	3732448	5.64E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
2031	500321.7	3732444	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
2032	500312.6	3732440	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.42E-05	1.80E-04	0.00E+00	0.00E+00
2033	500303.4	3732436	5.56E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
2034	500294.3	3732432	5.53E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
2035	500285.2	3732429	5.49E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
2036	500276.1	3732425	5.45E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
2037	500266.9	3732421	5.41E-04	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.97E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
2038	500230.4	3732406	5.20E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2039	500193.9	3732391	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
2040	500184.8	3732387	4.88E-04	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	8.99E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
2041	500175.7	3732383	4.81E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
2042	500166.5	3732379	4.73E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
2043	500157.4	3732376	4.66E-04	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.59E-04	0.00E+00	0.00E+00	7.02E-05	1.50E-04	0.00E+00	0.00E+00
2044	500148.3	3732372	4.59E-04	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.46E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
2045	500139.2	3732368	4.51E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
2046	500130	3732364	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
2047	500120.9	3732360	4.36E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
2048	500111.8	3732357	4.28E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
2049	500102.7	3732353	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
2050	500462.9	3732463	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
2051	500470.2	3732469	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2052	500477.5	3732476	5.20E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2053	500484.8	3732482	5.19E-04	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
2054	500492	3732488	5.18E-04	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
2055	500499.3	3732495	5.17E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.52E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
2056	500506.6	3732501	5.15E-04	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.49E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
2057	500513.9	3732508	5.13E-04	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
2058	500521.1	3732514	5.10E-04	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.41E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
2059	500528.4	3732521	5.08E-04	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
2060	500535.7	3732527	5.04E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
2061	500543	3732534	5.01E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
2062	500550.2	3732540	4.97E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
2063	500557.5	3732547	4.93E-04	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.09E-04	0.00E+00	0.00E+00	7.43E-05	1.58E-04	0.00E+00	0.00E+00
2064	500564.8	3732553	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
2065	500572	3732560	4.84E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
2066	500593.9	3732579	4.69E-04	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.65E-04	0.00E+00	0.00E+00	7.06E-05	1.51E-04	0.00E+00	0.00E+00
2067	500601.1	3732585	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
2068	500608.4	3732592	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
2069	500615.7	3732598	4.52E-04	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
2070	500623	3732605	4.46E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
2071	500630.2	3732611	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
2072	500637.5	3732618	4.33E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2073	500644.8	3732624	4.27E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2074	500652	3732631	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
2075	500659.3	3732637	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
2076	500666.6	3732644	4.06E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
2077	500673.9	3732650	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
2078	500681.1	3732657	3.93E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
2079	500688.4	3732663	3.85E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.11E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2080	500695.7	3732669	3.78E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
2081	500703	3732676	3.71E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
2082	500710.2	3732682	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2083	500717.5	3732689	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
2084	500724.8	3732695	3.50E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
2085	500732.1	3732702	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
2086	500739.3	3732708	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
2087	500746.6	3732715	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2088	500753.9	3732721	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
2089	500761.1	3732728	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2090	500768.4	3732734	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
2091	500775.7	3732741	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
2092	500783	3732747	2.95E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
2093	500790.2	3732753	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
2094	500799.2	3732770	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
2095	500801	3732779	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
2096	500802.7	3732789	2.74E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
2097	500804.4	3732798	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
2098	500806.2	3732808	2.69E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
2099	500807.9	3732817	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
2100	500809.6	3732827	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
2101	500811.4	3732837	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.92E-05	8.35E-05	0.00E+00	0.00E+00
2102	500813.1	3732846	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
2103	500814.8	3732856	2.54E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
2104	500816.6	3732865	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
2105	500818.3	3732875	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
2106	500820	3732884	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
2107	500821.7	3732894	2.42E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
2108	500823.5	3732904	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
2109	500825.2	3732913	2.37E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
2110	500826.9	3732923	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
2111	500828.7	3732932	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
2112	500835.6	3732971	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
2113	500837.3	3732980	2.11E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
2114	500839.1	3732990	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
2115	500840.8	3732999	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
2116	500842.5	3733009	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
2117	500844.2	3733018	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
2118	500846	3733028	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
2119	500847.7	3733038	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
2120	500849.4	3733047	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
2121	500851.2	3733057	1.90E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.09E-05	0.00E+00	0.00E+00
2122	500852.9	3733066	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2123	500854.6	3733076	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
2124	500856.4	3733085	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00

2125	500858.1	3733095	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
2126	500859.8	3733105	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
2127	500861.6	3733114	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
2128	500863.3	3733124	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
2129	500865	3733133	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
2130	500866.7	3733143	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
2131	500868.5	3733152	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
2132	500870.2	3733162	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
2133	500871.9	3733172	1.65E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
2134	500873.7	3733181	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
2135	500875.4	3733191	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
2136	500877.1	3733200	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
2137	500455.7	3732456	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2138	500446.5	3732452	5.23E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.63E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
2139	500437.4	3732449	5.25E-04	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.68E-04	0.00E+00	0.00E+00
2140	500428.3	3732445	5.26E-04	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
2141	500419.2	3732441	5.28E-04	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
2142	500410	3732437	5.28E-04	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2143	500400.9	3732433	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2144	500391.8	3732430	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
2145	500382.7	3732426	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2146	500373.5	3732422	5.28E-04	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
2147	500327.9	3732403	5.20E-04	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
2148	500318.8	3732399	5.18E-04	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.54E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
2149	500309.7	3732396	5.15E-04	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.49E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
2150	500300.5	3732392	5.11E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
2151	500291.4	3732388	5.08E-04	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
2152	500282.3	3732384	5.04E-04	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
2153	500273.1	3732380	5.00E-04	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.21E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
2154	500264	3732377	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
2155	500254.9	3732373	4.90E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
2156	500245.8	3732369	4.85E-04	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
2157	500236.6	3732365	4.80E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
2158	500227.5	3732361	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
2159	500191	3732346	4.51E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
2160	500181.9	3732342	4.44E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
2161	500172.8	3732339	4.38E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
2162	500163.6	3732335	4.31E-04	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
2163	500154.5	3732331	4.24E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
2164	500145.4	3732327	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
2165	500136.3	3732323	4.11E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
2166	500127.1	3732320	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2167	500118	3732316	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
2168	500478.4	3732426	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
2169	500485.8	3732432	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.56E-04	0.00E+00	0.00E+00
2170	500493.1	3732439	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
2171	500500.5	3732445	4.87E-04	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
2172	500507.9	3732452	4.86E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
2173	500515.3	3732459	4.85E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.93E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
2174	500522.6	3732465	4.83E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
2175	500530	3732472	4.81E-04	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
2176	500537.4	3732478	4.79E-04	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
2177	500544.8	3732485	4.77E-04	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
2178	500552.1	3732491	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
2179	500559.5	3732498	4.71E-04	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
2180	500566.9	3732504	4.68E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
2181	500574.3	3732511	4.65E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
2182	500581.6	3732518	4.61E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
2183	500589	3732524	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
2184	500596.4	3732531	4.53E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
2185	500603.8	3732537	4.48E-04	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
2186	500611.1	3732544	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
2187	500618.5	3732550	4.39E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
2188	500648	3732577	4.17E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
2189	500655.4	3732583	4.11E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
2190	500662.8	3732590	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
2191	500670.1	3732596	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
2192	500677.5	3732603	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
2193	500684.9	3732609	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
2194	500692.3	3732616	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
2195	500699.6	3732622	3.74E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
2196	500707	3732629	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2197	500714.4	3732635	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2198	500721.8	3732642	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
2199	500729.1	3732649	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2200	500736.5	3732655	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
2201	500743.9	3732662	3.35E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
2202	500751.3	3732668	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2203	500758.6	3732675	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
2204	500766	3732681	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
2205	500773.4	3732688	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.94E-05	0.00E+00	0.00E+00
2206	500780.8	3732694	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
2207	500788.1	3732701	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
2208	500795.5	3732708	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
2209	500802.9	3732714	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.14E-05	0.00E+00	0.00E+00
2210	500810.3	3732721	2.79E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
2211	500817.6	3732727	2.73E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.76E-05	0.00E+00	0.00E+00
2212	500825	3732734	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
2213	500834.1	3732750	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.14E-05	0.00E+00	0.00E+00
2214	500835.9	3732760	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
2215	500837.7	3732769	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
2216	500839.4	3732779	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
2217	500841.2	3732789	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
2218	500842.9	3732799	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
2219	500844.7	3732808	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
2220	500846.4	3732818	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
2221	500848.2	3732828	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.43E-05	0.00E+00	0.00E+00
2222	500849.9	3732837	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
2223	500851.7	3732847	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
2224	500853.5	3732857	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
2225	500855.2	3732867	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
2226	500857	3732876	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
2227	500858.7	3732886	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
2228	500860.5	3732896	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
2229	500862.2	3732905	2.10E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
2230	500864	3732915	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
2231	500865.7	3732925	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
2232	500867.5	3732935	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
2233	500874.5	3732973	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
2234	500876.3	3732983	1.90E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.09E-05	0.00E+00	0.00E+00
2235	500878	3732993	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2236	500879.8	3733002	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.94E-05	0.00E+00	0.00E+00

2237	500881.5	3733012	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
2238	500883.3	3733022	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
2239	500885	3733032	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
2240	500886.8	3733041	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
2241	500888.6	3733051	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
2242	500890.3	3733061	1.72E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.59E-05	5.51E-05	0.00E+00	0.00E+00
2243	500892.1	3733070	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
2244	500893.8	3733080	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
2245	500895.6	3733090	1.66E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
2246	500897.3	3733100	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
2247	500899.1	3733109	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
2248	500900.8	3733119	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
2249	500902.6	3733129	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
2250	500904.3	3733138	1.57E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
2251	500906.1	3733148	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
2252	500907.9	3733158	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
2253	500909.6	3733168	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
2254	500911.4	3733177	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
2255	500913.1	3733187	1.48E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
2256	500914.9	3733197	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
2257	500916.6	3733206	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
2258	500434.5	3732404	4.93E-04	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.08E-04	0.00E+00	0.00E+00	7.42E-05	1.58E-04	0.00E+00	0.00E+00
2259	500425.4	3732400	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
2260	500416.3	3732396	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
2261	500407.1	3732393	4.94E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
2262	500398	3732389	4.94E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
2263	500388.9	3732385	4.93E-04	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.09E-04	0.00E+00	0.00E+00	7.43E-05	1.58E-04	0.00E+00	0.00E+00
2264	500379.8	3732381	4.92E-04	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
2265	500370.6	3732378	4.91E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
2266	500361.5	3732374	4.89E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
2267	500352.4	3732370	4.88E-04	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	8.99E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
2268	500343.2	3732366	4.86E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
2269	500334.1	3732362	4.83E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
2270	500325	3732359	4.80E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
2271	500315.9	3732355	4.77E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
2272	500306.7	3732351	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
2273	500297.6	3732347	4.71E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
2274	500288.5	3732343	4.67E-04	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
2275	500279.4	3732340	4.63E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
2276	500270.2	3732336	4.59E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.45E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
2277	500261.1	3732332	4.54E-04	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.37E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
2278	500252	3732328	4.49E-04	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
2279	500242.9	3732324	4.45E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
2280	500233.7	3732321	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
2281	500224.6	3732317	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
2282	500197.2	3732306	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
2283	500188.1	3732302	4.12E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
2284	500179	3732298	4.06E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.49E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2285	500169.9	3732294	4.00E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
2286	500160.7	3732290	3.94E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
2287	500151.6	3732287	3.88E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
2288	500142.5	3732283	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
2289	500133.3	3732279	3.76E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.92E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
2290	500493.7	3732389	4.57E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
2291	500501	3732395	4.57E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
2292	500508.3	3732402	4.57E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
2293	500530.3	3732421	4.56E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.40E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
2294	500537.6	3732428	4.55E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
2295	500545	3732434	4.53E-04	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
2296	500552.3	3732441	4.52E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.32E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
2297	500559.6	3732447	4.50E-04	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
2298	500566.9	3732454	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
2299	500574.3	3732460	4.45E-04	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
2300	500581.6	3732467	4.42E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
2301	500588.9	3732473	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
2302	500596.2	3732480	4.36E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
2303	500603.6	3732486	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2304	500610.9	3732493	4.29E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
2305	500618.2	3732499	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
2306	500625.5	3732506	4.21E-04	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
2307	500632.9	3732512	4.17E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
2308	500640.2	3732519	4.13E-04	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
2309	500647.5	3732526	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2310	500654.8	3732532	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2311	500662.2	3732539	3.99E-04	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
2312	500669.5	3732545	3.94E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.25E-04	0.00E+00	0.00E+00	5.93E-05	1.26E-04	0.00E+00	0.00E+00
2313	500691.5	3732565	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2314	500698.8	3732571	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
2315	500706.1	3732578	3.67E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
2316	500713.4	3732584	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2317	500720.8	3732591	3.55E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
2318	500728.1	3732597	3.49E-04	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.44E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
2319	500735.4	3732604	3.44E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2320	500742.7	3732610	3.38E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2321	500750.1	3732617	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2322	500757.4	3732623	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
2323	500764.7	3732630	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
2324	500772	3732636	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
2325	500779.4	3732643	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
2326	500786.7	3732649	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.55E-05	9.72E-05	0.00E+00	0.00E+00
2327	500794	3732656	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
2328	500801.3	3732662	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
2329	500808.7	3732669	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
2330	500816	3732675	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
2331	500823.3	3732682	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.80E-05	0.00E+00	0.00E+00
2332	500830.6	3732688	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
2333	500838	3732695	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
2334	500845.3	3732701	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
2335	500852.6	3732708	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
2336	500859.9	3732714	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.65E-05	7.78E-05	0.00E+00	0.00E+00
2337	500869	3732730	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
2338	500870.8	3732740	2.31E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.43E-05	0.00E+00	0.00E+00
2339	500872.5	3732750	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.36E-05	0.00E+00	0.00E+00
2340	500874.2	3732759	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
2341	500876	3732769	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
2342	500877.7	3732779	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
2343	500879.5	3732788	2.19E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.05E-04	0.00E+00	0.00E+00	3.30E-05	7.05E-05	0.00E+00	0.00E+00
2344	500881.2	3732798	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
2345	500883	3732808	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
2346	500884.7	3732817	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
2347	500886.4	3732827	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
2348	500888.2	3732836	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00

2349	500889.9	3732846	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.58E-05	0.00E+00	0.00E+00
2350	500891.7	3732856	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
2351	500893.4	3732865	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
2352	500895.2	3732875	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
2353	500896.9	3732885	1.96E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.28E-05	0.00E+00	0.00E+00
2354	500898.6	3732894	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
2355	500900.4	3732904	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
2356	500902.1	3732914	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
2357	500903.9	3732923	1.86E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
2358	500905.6	3732933	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
2359	500912.6	3732971	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
2360	500914.3	3732981	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
2361	500916.1	3732991	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
2362	500917.8	3733000	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
2363	500919.6	3733010	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
2364	500921.3	3733020	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
2365	500924.8	3733039	1.61E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
2366	500926.5	3733049	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
2367	500928.3	3733058	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
2368	500930	3733068	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
2369	500931.8	3733078	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
2370	500933.5	3733087	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
2371	500935.3	3733097	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
2372	500937	3733106	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
2373	500938.7	3733116	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
2374	500940.5	3733126	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
2375	500942.2	3733135	1.45E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
2376	500944	3733145	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.60E-05	0.00E+00	0.00E+00
2377	500945.7	3733155	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
2378	500947.5	3733164	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
2379	500949.2	3733174	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
2380	500950.9	3733184	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
2381	500952.7	3733193	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
2382	500954.4	3733203	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
2383	500956.2	3733213	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
2384	500486.4	3732382	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
2385	500477.2	3732379	4.58E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
2386	500468.1	3732375	4.60E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
2387	500459	3732371	4.61E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
2388	500449.9	3732367	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
2389	500440.7	3732363	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
2390	500431.6	3732360	4.63E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
2391	500422.5	3732356	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
2392	500413.4	3732352	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
2393	500404.2	3732348	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
2394	500395.1	3732344	4.61E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
2395	500386	3732341	4.60E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
2396	500376.8	3732337	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
2397	500367.7	3732333	4.56E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
2398	500358.6	3732329	4.54E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
2399	500349.5	3732325	4.52E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
2400	500340.3	3732322	4.50E-04	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
2401	500331.2	3732318	4.47E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.24E-04	0.00E+00	0.00E+00	6.73E-05	1.44E-04	0.00E+00	0.00E+00
2402	500322.1	3732314	4.44E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
2403	500313	3732310	4.41E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
2404	500303.8	3732306	4.38E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
2405	500294.7	3732303	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
2406	500285.6	3732299	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2407	500276.5	3732295	4.26E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2408	500267.3	3732291	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.36E-04	0.00E+00	0.00E+00
2409	500258.2	3732288	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
2410	500249.1	3732284	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
2411	500240	3732280	4.09E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2412	500230.8	3732276	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2413	500194.3	3732261	3.83E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2414	500185.2	3732257	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2415	500176.1	3732253	3.73E-04	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
2416	500166.9	3732250	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
2417	500157.8	3732246	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2418	500148.7	3732242	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
2419	500509	3732352	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2420	500516.3	3732358	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2421	500523.5	3732365	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2422	500530.8	3732371	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
2423	500538.1	3732378	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2424	500545.4	3732384	4.29E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2425	500567.2	3732404	4.26E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2426	500589.1	3732423	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
2427	500596.4	3732429	4.19E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
2428	500603.6	3732436	4.16E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
2429	500610.9	3732442	4.13E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
2430	500618.2	3732449	4.11E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
2431	500625.5	3732455	4.07E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2432	500632.8	3732462	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2433	500640	3732468	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
2434	500647.3	3732475	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
2435	500654.6	3732481	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
2436	500661.9	3732488	3.89E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
2437	500669.2	3732494	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2438	500676.4	3732501	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2439	500683.7	3732507	3.77E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
2440	500691	3732514	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
2441	500698.3	3732520	3.67E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
2442	500705.6	3732527	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
2443	500712.8	3732533	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
2444	500742	3732559	3.37E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2445	500749.3	3732565	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2446	500756.5	3732572	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
2447	500763.8	3732578	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
2448	500771.1	3732585	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2449	500778.4	3732591	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
2450	500785.7	3732598	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
2451	500792.9	3732604	3.00E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.54E-04	0.00E+00	0.00E+00	4.52E-05	9.65E-05	0.00E+00	0.00E+00
2452	500800.2	3732611	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
2453	500807.5	3732617	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
2454	500814.8	3732624	2.85E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
2455	500822.1	3732630	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
2456	500829.3	3732636	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
2457	500836.6	3732643	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
2458	500843.9	3732649	2.64E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
2459	500851.2	3732656	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
2460	500858.5	3732662	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00

2461	500865.7	3732669	2.44E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
2462	500873	3732675	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
2463	500880.3	3732682	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.52E-05	0.00E+00	0.00E+00
2464	500887.6	3732688	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
2465	500894.9	3732695	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
2466	500903.9	3732711	2.17E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
2467	500905.6	3732720	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
2468	500907.3	3732730	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
2469	500909.1	3732740	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
2470	500910.8	3732749	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
2471	500912.5	3732759	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
2472	500914.3	3732768	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
2473	500916	3732778	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
2474	500917.7	3732787	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
2475	500919.5	3732797	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
2476	500921.2	3732807	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.28E-05	0.00E+00	0.00E+00
2477	500922.9	3732816	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
2478	500924.7	3732826	1.91E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
2479	500926.4	3732835	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
2480	500928.1	3732845	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2481	500929.9	3732855	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.94E-05	0.00E+00	0.00E+00
2482	500931.6	3732864	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
2483	500933.3	3732874	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
2484	500935.1	3732883	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
2485	500936.8	3732893	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
2486	500938.5	3732902	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
2487	500940.3	3732912	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
2488	500942	3732922	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
2489	500943.7	3732931	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
2490	500950.7	3732970	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
2491	500952.4	3732979	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
2492	500954.1	3732989	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
2493	500955.9	3732998	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
2494	500957.6	3733008	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
2495	500959.3	3733017	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
2496	500961.1	3733027	1.51E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
2497	500964.5	3733046	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
2498	500966.3	3733056	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
2499	500968	3733065	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
2500	500969.7	3733075	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
2501	500971.5	3733085	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
2502	500973.2	3733094	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
2503	500974.9	3733104	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
2504	500976.7	3733113	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
2505	500978.4	3733123	1.35E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.35E-05	0.00E+00	0.00E+00
2506	500980.1	3733132	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
2507	500981.8	3733142	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
2508	500983.6	3733152	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
2509	500985.3	3733161	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
2510	500987	3733171	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
2511	500988.8	3733180	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
2512	500990.5	3733190	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
2513	500992.2	3733200	1.26E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
2514	500994	3733209	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
2515	500995.7	3733219	1.23E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
2516	500501.7	3732345	4.29E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2517	500492.6	3732342	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
2518	500483.5	3732338	4.32E-04	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.96E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
2519	500474.3	3732334	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2520	500465.2	3732330	4.33E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2521	500456.1	3732326	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2522	500446.9	3732323	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
2523	500437.8	3732319	4.34E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2524	500428.7	3732315	4.34E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
2525	500419.6	3732311	4.33E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
2526	500410.4	3732307	4.32E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
2527	500401.3	3732304	4.31E-04	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
2528	500392.2	3732300	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
2529	500383.1	3732296	4.28E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
2530	500373.9	3732292	4.26E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
2531	500364.8	3732288	4.24E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
2532	500355.7	3732285	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
2533	500346.6	3732281	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
2534	500337.4	3732277	4.17E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
2535	500328.3	3732273	4.14E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
2536	500319.2	3732270	4.11E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
2537	500310.1	3732266	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2538	500300.9	3732262	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2539	500291.8	3732258	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
2540	500282.7	3732254	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
2541	500273.6	3732251	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
2542	500264.4	3732247	3.89E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
2543	500255.3	3732243	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2544	500246.2	3732239	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
2545	500237	3732235	3.76E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
2546	500227.9	3732232	3.72E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.85E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
2547	500191.4	3732216	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
2548	500182.3	3732213	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2549	500173.2	3732209	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2550	500164	3732205	3.38E-04	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
2551	500524.4	3732315	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
2552	500531.8	3732322	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2553	500539.2	3732328	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2554	500546.5	3732335	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2555	500568.6	3732354	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2556	500576	3732361	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
2557	500583.4	3732367	4.03E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
2558	500590.7	3732374	4.01E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
2559	500598.1	3732380	4.00E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
2560	500605.5	3732387	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
2561	500612.8	3732394	3.96E-04	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
2562	500620.2	3732400	3.94E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
2563	500649.7	3732426	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2564	500657	3732433	3.80E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
2565	500664.4	3732439	3.77E-04	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.95E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
2566	500671.8	3732446	3.74E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
2567	500679.1	3732452	3.70E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
2568	500686.5	3732459	3.67E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
2569	500693.9	3732466	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
2570	500701.3	3732472	3.59E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
2571	500708.6	3732479	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
2572	500716	3732485	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00

2573	500723.4	3732492	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
2574	500730.7	3732498	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
2575	500738.1	3732505	3.37E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2576	500745.5	3732511	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2577	500752.8	3732518	3.28E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
2578	500760.2	3732524	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
2579	500767.6	3732531	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
2580	500789.7	3732551	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.76E-05	0.00E+00	0.00E+00
2581	500797	3732557	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
2582	500804.4	3732564	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
2583	500811.8	3732570	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
2584	500819.1	3732577	2.84E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.12E-05	0.00E+00	0.00E+00
2585	500826.5	3732583	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
2586	500833.9	3732590	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
2587	500841.2	3732596	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.65E-05	0.00E+00	0.00E+00
2588	500848.6	3732603	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
2589	500856	3732610	2.60E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
2590	500863.3	3732616	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
2591	500870.7	3732623	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
2592	500878.1	3732629	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
2593	500885.5	3732636	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.56E-05	7.58E-05	0.00E+00	0.00E+00
2594	500892.8	3732642	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
2595	500900.2	3732649	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
2596	500907.6	3732655	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
2597	500914.9	3732662	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
2598	500922.3	3732669	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
2599	500929.7	3732675	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
2600	500938.8	3732691	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
2601	500940.5	3732701	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
2602	500942.3	3732711	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
2603	500944	3732720	1.97E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
2604	500945.8	3732730	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
2605	500947.5	3732740	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
2606	500949.3	3732750	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
2607	500951.1	3732759	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
2608	500952.8	3732769	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
2609	500954.6	3732779	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
2610	500956.3	3732788	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
2611	500958.1	3732798	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
2612	500959.8	3732808	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
2613	500961.6	3732817	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
2614	500963.3	3732827	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
2615	500965.1	3732837	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
2616	500966.8	3732846	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
2617	500968.6	3732856	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.43E-05	0.00E+00	0.00E+00
2618	500970.3	3732866	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
2619	500972.1	3732876	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
2620	500973.8	3732885	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
2621	500975.6	3732895	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
2622	500977.4	3732905	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
2623	500979.1	3732914	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
2624	500980.9	3732924	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
2625	500982.6	3732934	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
2626	500989.6	3732973	1.47E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
2627	500991.4	3732982	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
2628	500993.1	3732992	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
2629	500994.9	3733002	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
2630	501000.1	3733031	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
2631	501001.9	3733040	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
2632	501003.7	3733050	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
2633	501024.7	3733167	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
2634	501028.2	3733186	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
2635	501030	3733196	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
2636	501031.7	3733205	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
2637	501033.5	3733215	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
2638	501035.2	3733225	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
2639	500517.1	3732308	4.05E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2640	500507.9	3732305	4.06E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2641	500498.8	3732301	4.07E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
2642	500489.7	3732297	4.08E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2643	500480.5	3732293	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2644	500471.4	3732289	4.08E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2645	500462.3	3732286	4.08E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2646	500453.2	3732282	4.08E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
2647	500444	3732278	4.08E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
2648	500434.9	3732274	4.07E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
2649	500425.8	3732271	4.07E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
2650	500416.7	3732267	4.06E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.47E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
2651	500407.5	3732263	4.04E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
2652	500398.4	3732259	4.03E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
2653	500389.3	3732255	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
2654	500380.2	3732252	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
2655	500371	3732248	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
2656	500361.9	3732244	3.95E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
2657	500352.8	3732240	3.93E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
2658	500343.7	3732236	3.90E-04	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
2659	500334.5	3732233	3.87E-04	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.14E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
2660	500325.4	3732229	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
2661	500316.3	3732225	3.81E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2662	500307.1	3732221	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2663	500298	3732217	3.75E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
2664	500288.9	3732214	3.71E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
2665	500279.8	3732210	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2666	500270.6	3732206	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2667	500261.5	3732202	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2668	500252.4	3732198	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
2669	500243.3	3732195	3.52E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
2670	500234.1	3732191	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2671	500225	3732187	3.44E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2672	500539.7	3732278	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
2673	500547	3732285	3.83E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2674	500569	3732304	3.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
2675	500576.3	3732311	3.83E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2676	500583.7	3732317	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
2677	500591	3732324	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
2678	500598.3	3732330	3.81E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2679	500605.6	3732337	3.80E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
2680	500613	3732343	3.79E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
2681	500620.3	3732350	3.77E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
2682	500627.6	3732356	3.76E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
2683	500634.9	3732363	3.74E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
2684	500642.3	3732369	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00

2685	500649.6	3732376	3.70E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
2686	500656.9	3732382	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2687	500664.2	3732389	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2688	500671.6	3732395	3.63E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
2689	500678.9	3732402	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2690	500700.9	3732421	3.51E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
2691	500708.2	3732428	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2692	500715.5	3732434	3.44E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
2693	500722.9	3732441	3.40E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
2694	500730.2	3732447	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
2695	500737.5	3732454	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2696	500744.8	3732460	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2697	500752.2	3732467	3.25E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
2698	500759.5	3732473	3.21E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
2699	500766.8	3732480	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2700	500774.1	3732486	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
2701	500781.5	3732493	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
2702	500788.8	3732499	3.04E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
2703	500818.1	3732525	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
2704	500847.4	3732551	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
2705	500854.7	3732558	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.46E-05	0.00E+00	0.00E+00
2706	500862	3732564	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
2707	500869.4	3732571	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.79E-05	8.07E-05	0.00E+00	0.00E+00
2708	500876.7	3732577	2.47E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
2709	500884	3732584	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
2710	500891.3	3732590	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
2711	500898.7	3732597	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
2712	500906	3732603	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
2713	500913.3	3732610	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
2714	500920.6	3732616	2.19E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.05E-04	0.00E+00	0.00E+00	3.30E-05	7.05E-05	0.00E+00	0.00E+00
2715	500928	3732623	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
2716	500935.3	3732629	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
2717	500942.6	3732636	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.12E-05	6.64E-05	0.00E+00	0.00E+00
2718	500949.9	3732642	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
2719	500957.3	3732649	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
2720	500964.6	3732656	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
2721	500973.7	3732672	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
2722	500975.4	3732681	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
2723	500977.1	3732691	1.86E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.80E-05	5.96E-05	0.00E+00	0.00E+00
2724	500978.9	3732701	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
2725	500980.6	3732710	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
2726	500982.4	3732720	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
2727	500984.1	3732730	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
2728	500985.9	3732739	1.77E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
2729	500987.6	3732749	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
2730	500989.3	3732758	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
2731	500991.1	3732768	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
2732	500992.8	3732778	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
2733	500994.6	3732787	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
2734	500996.3	3732797	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
2735	500998.1	3732807	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
2736	500999.8	3732816	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
2737	501001.5	3732826	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
2738	501003.3	3732836	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
2739	501020.7	3732932	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
2740	501029.4	3732980	1.34E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
2741	501031.2	3732990	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
2742	501039.9	3733038	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
2743	501041.6	3733048	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
2744	501046.9	3733077	1.22E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
2745	501048.6	3733086	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
2746	501050.3	3733096	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
2747	501052.1	3733106	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
2748	501053.8	3733115	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
2749	501055.6	3733125	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
2750	501057.3	3733135	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
2751	501059.1	3733144	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
2752	501060.8	3733154	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
2753	501062.6	3733163	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
2754	500532.4	3732271	3.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
2755	500523.3	3732268	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2756	500514.1	3732264	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
2757	500505	3732260	3.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
2758	500495.9	3732256	3.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
2759	500486.8	3732253	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2760	500477.6	3732249	3.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
2761	500468.5	3732245	3.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
2762	500459.4	3732241	3.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
2763	500450.3	3732237	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
2764	500441.1	3732234	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
2765	500432	3732230	3.82E-04	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
2766	500422.9	3732226	3.81E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
2767	500413.8	3732222	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
2768	500404.6	3732218	3.78E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
2769	500395.5	3732215	3.77E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
2770	500386.4	3732211	3.75E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
2771	500377.2	3732207	3.73E-04	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
2772	500368.1	3732203	3.70E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
2773	500359	3732199	3.68E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
2774	500349.9	3732196	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2775	500340.7	3732192	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
2776	500331.6	3732188	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2777	500322.5	3732184	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
2778	500194.7	3732131	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
2779	500568.2	3732258	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2780	500575.6	3732265	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2781	500582.9	3732271	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2782	500590.3	3732278	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2783	500597.7	3732284	3.65E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
2784	500605.1	3732291	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2785	500612.4	3732297	3.64E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
2786	500619.8	3732304	3.63E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
2787	500627.2	3732311	3.62E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
2788	500634.5	3732317	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
2789	500641.9	3732324	3.59E-04	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
2790	500649.3	3732330	3.57E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.59E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
2791	500656.6	3732337	3.56E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
2792	500664	3732343	3.54E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
2793	500671.4	3732350	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
2794	500678.8	3732356	3.49E-04	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.44E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
2795	500686.1	3732363	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
2796	500693.5	3732369	3.45E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00

2797	500700.9	3732376	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
2798	500708.2	3732383	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
2799	500715.6	3732389	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
2800	500723	3732396	3.33E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
2801	500730.4	3732402	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
2802	500752.5	3732422	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
2803	500759.8	3732428	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2804	500767.2	3732435	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
2805	500774.6	3732442	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
2806	500781.9	3732448	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
2807	500789.3	3732455	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
2808	500818.8	3732481	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
2809	500826.2	3732487	2.81E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
2810	500833.5	3732494	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
2811	500840.9	3732500	2.73E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
2812	500848.3	3732507	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
2813	500855.6	3732514	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
2814	500863	3732520	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
2815	500870.4	3732527	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
2816	500899.9	3732553	2.36E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.57E-05	0.00E+00	0.00E+00
2817	500907.2	3732559	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
2818	500914.6	3732566	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
2819	500922	3732572	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
2820	500929.3	3732579	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
2821	500936.7	3732586	2.15E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
2822	500944.1	3732592	2.11E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
2823	500951.5	3732599	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
2824	500958.8	3732605	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
2825	500966.2	3732612	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
2826	500973.6	3732618	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
2827	500980.9	3732625	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
2828	500988.3	3732631	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
2829	500995.7	3732638	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
2830	501022.3	3732751	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
2831	501024.1	3732761	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
2832	501025.9	3732771	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
2833	501027.6	3732780	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
2834	501029.4	3732790	1.54E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
2835	501031.1	3732800	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
2836	501032.9	3732809	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
2837	501034.6	3732819	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
2838	501036.4	3732829	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
2839	501038.1	3732839	1.46E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
2840	501039.9	3732848	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
2841	501041.6	3732858	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
2842	501043.4	3732868	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
2843	501045.1	3732877	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
2844	501046.9	3732887	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
2845	501092.5	3733139	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
2846	501103	3733198	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
2847	501104.8	3733207	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
2848	501106.5	3733217	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
2849	500546.1	3732239	3.64E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2850	500537	3732235	3.65E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
2851	500527.8	3732231	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2852	500518.7	3732227	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
2853	500509.6	3732223	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
2854	500500.5	3732220	3.66E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
2855	500491.3	3732216	3.66E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
2856	500482.2	3732212	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
2857	500473.1	3732208	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
2858	500464	3732204	3.65E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
2859	500454.8	3732201	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
2860	500445.7	3732197	3.63E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
2861	500436.6	3732193	3.62E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
2862	500427.5	3732189	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
2863	500418.3	3732185	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
2864	500409.2	3732182	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
2865	500290.6	3732132	3.25E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.04E-04	0.00E+00	0.00E+00
2866	500281.4	3732129	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
2867	500272.3	3732125	3.19E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.87E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
2868	500263.2	3732121	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2869	500567.1	3732212	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2870	500574.4	3732218	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2871	500581.7	3732225	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2872	500589	3732231	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2873	500596.3	3732238	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2874	500603.6	3732244	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2875	500610.9	3732251	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2876	500618.2	3732257	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2877	500625.5	3732264	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
2878	500632.8	3732270	3.46E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
2879	500640.1	3732277	3.46E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
2880	500647.4	3732283	3.45E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
2881	500654.7	3732290	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
2882	500662	3732296	3.42E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
2883	500669.3	3732303	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
2884	500676.6	3732309	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
2885	500683.9	3732316	3.37E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
2886	500691.2	3732322	3.35E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
2887	500698.5	3732329	3.33E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
2888	500705.8	3732335	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
2889	500713.1	3732342	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2890	500720.4	3732348	3.26E-04	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.02E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
2891	500727.7	3732355	3.24E-04	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
2892	500735	3732361	3.21E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
2893	500742.3	3732368	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
2894	500749.6	3732374	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2895	500756.9	3732381	3.12E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
2896	500764.2	3732387	3.09E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.66E-05	9.93E-05	0.00E+00	0.00E+00
2897	500771.5	3732394	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
2898	500778.7	3732400	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
2899	500786	3732407	2.99E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
2900	500815.2	3732432	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
2901	500822.5	3732439	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
2902	500829.8	3732445	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
2903	500837.1	3732452	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
2904	500844.4	3732458	2.70E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
2905	500851.7	3732465	2.67E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.56E-05	0.00E+00	0.00E+00
2906	500859	3732471	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
2907	500866.3	3732478	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
2908	500873.6	3732484	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00

2909	500880.9	3732491	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
2910	500888.2	3732497	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
2911	500895.5	3732504	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
2912	500902.8	3732510	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
2913	500910.1	3732517	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
2914	500917.4	3732523	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
2915	500924.7	3732530	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
2916	500946.6	3732549	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
2917	500953.9	3732556	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
2918	500961.2	3732562	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
2919	500968.5	3732569	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.47E-05	0.00E+00	0.00E+00
2920	500975.8	3732575	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
2921	500983.1	3732582	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.24E-05	0.00E+00	0.00E+00
2922	500990.4	3732588	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
2923	500997.7	3732595	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
2924	501026.9	3732621	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
2925	501035.9	3732637	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
2926	501037.7	3732646	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
2927	501039.4	3732656	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
2928	501041.1	3732665	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
2929	501042.9	3732675	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
2930	501044.6	3732685	1.60E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.96E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
2931	501046.3	3732694	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
2932	501048.1	3732704	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
2933	501049.8	3732714	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
2934	501051.6	3732723	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
2935	501053.3	3732733	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
2936	501055	3732742	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
2937	501056.8	3732752	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
2938	501058.5	3732762	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
2939	501060.2	3732771	1.47E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
2940	501062	3732781	1.45E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.66E-05	0.00E+00	0.00E+00
2941	501063.7	3732790	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
2942	501065.5	3732800	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
2943	501067.2	3732810	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
2944	501068.9	3732819	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
2945	501070.7	3732829	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
2946	501072.4	3732838	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.38E-05	0.00E+00	0.00E+00
2947	501074.1	3732848	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
2948	501075.9	3732858	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
2949	501077.6	3732867	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
2950	501079.3	3732877	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
2951	501138.4	3733204	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
2952	501140.1	3733213	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
2953	501141.9	3733223	9.50E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
2954	501145.3	3733242	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
2955	500559.8	3732206	3.47E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
2956	500550.7	3732202	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
2957	500541.5	3732198	3.48E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2958	500532.4	3732194	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
2959	500523.3	3732190	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2960	500514.2	3732187	3.49E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2961	500505	3732183	3.48E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
2962	500386.4	3732133	3.34E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.15E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
2963	500377.3	3732130	3.31E-04	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
2964	500368.1	3732126	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
2965	500359	3732122	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
2966	500349.9	3732118	3.24E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
2967	500340.8	3732115	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
2968	500331.6	3732111	3.19E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
2969	500322.5	3732107	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
2970	500313.4	3732103	3.14E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
2971	500304.3	3732099	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
2972	500295.1	3732096	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
2973	500286	3732092	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.78E-05	0.00E+00	0.00E+00
2974	500276.9	3732088	3.01E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
2975	500267.8	3732084	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
2976	500258.6	3732080	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
2977	500588.2	3732186	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2978	500595.5	3732192	3.32E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2979	500602.9	3732199	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2980	500610.2	3732205	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2981	500617.5	3732212	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2982	500624.9	3732218	3.32E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
2983	500632.2	3732225	3.32E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
2984	500639.6	3732231	3.32E-04	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.07E-04	0.00E+00	0.00E+00
2985	500646.9	3732238	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
2986	500654.2	3732244	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
2987	500661.6	3732251	3.30E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
2988	500668.9	3732257	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
2989	500676.3	3732264	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
2990	500683.6	3732270	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
2991	500691	3732277	3.25E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
2992	500698.3	3732283	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
2993	500705.6	3732290	3.21E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
2994	500713	3732296	3.20E-04	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
2995	500720.3	3732303	3.18E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
2996	500727.7	3732310	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
2997	500735	3732316	3.13E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
2998	500742.3	3732323	3.11E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
2999	500749.7	3732329	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
3000	500757	3732336	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
3001	500764.4	3732342	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3002	500771.7	3732349	3.01E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
3003	500779	3732355	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3004	500786.4	3732362	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
3005	500793.7	3732368	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3006	500815.7	3732388	2.82E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
3007	500823.1	3732394	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
3008	500830.4	3732401	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
3009	500837.8	3732407	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
3010	500845.1	3732414	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
3011	500852.4	3732420	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3012	500859.8	3732427	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
3013	500867.1	3732433	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
3014	500874.5	3732440	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
3015	500881.8	3732446	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
3016	500889.2	3732453	2.48E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
3017	500896.5	3732460	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
3018	500903.8	3732466	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
3019	500911.2	3732473	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
3020	500918.5	3732479	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00

3021	500925.9	3732486	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
3022	500933.2	3732492	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
3023	500940.5	3732499	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
3024	500947.9	3732505	2.16E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.92E-05	0.00E+00	0.00E+00
3025	500955.2	3732512	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
3026	500962.6	3732518	2.08E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
3027	500969.9	3732525	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
3028	500977.2	3732531	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
3029	500991.9	3732544	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.92E-05	6.22E-05	0.00E+00	0.00E+00
3030	500999.3	3732551	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
3031	501028.6	3732577	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
3032	501036	3732583	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.58E-05	0.00E+00	0.00E+00
3033	501043.3	3732590	1.70E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
3034	501050.7	3732597	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
3035	501058	3732603	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
3036	501067.1	3732619	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
3037	501068.8	3732629	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
3038	501070.6	3732639	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
3039	501072.3	3732648	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
3040	501074.1	3732658	1.53E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
3041	501075.8	3732668	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
3042	501077.6	3732677	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
3043	501079.3	3732687	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.79E-05	0.00E+00	0.00E+00
3044	501081.1	3732697	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
3045	501082.8	3732706	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
3046	501084.5	3732716	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
3047	501086.3	3732726	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
3048	501088	3732735	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3049	501089.8	3732745	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
3050	501091.5	3732755	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
3051	501093.3	3732764	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.43E-05	0.00E+00	0.00E+00
3052	501095	3732774	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
3053	501096.8	3732784	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
3054	501098.5	3732793	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
3055	501100.3	3732803	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
3056	501102	3732813	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
3057	501103.8	3732822	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
3058	501105.5	3732832	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
3059	501107.3	3732841	1.27E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
3060	501109	3732851	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
3061	501110.8	3732861	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
3062	500482.2	3732135	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
3063	500473.1	3732131	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
3064	500464	3732127	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
3065	500454.9	3732123	3.27E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
3066	500445.7	3732119	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
3067	500436.6	3732116	3.25E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
3068	500427.5	3732112	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
3069	500418.4	3732108	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
3070	500409.2	3732104	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
3071	500400.1	3732101	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
3072	500391	3732097	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
3073	500381.8	3732093	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
3074	500372.7	3732089	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
3075	500363.6	3732085	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.95E-05	0.00E+00	0.00E+00
3076	500354.5	3732082	3.07E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
3077	500345.3	3732078	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
3078	500336.2	3732074	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3079	500327.1	3732070	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.51E-05	9.63E-05	0.00E+00	0.00E+00
3080	500318	3732066	2.97E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
3081	500308.8	3732063	2.94E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
3082	500299.7	3732059	2.92E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
3083	500290.6	3732055	2.89E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
3084	500281.5	3732051	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
3085	500272.3	3732047	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
3086	500638.9	3732185	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
3087	500646.2	3732192	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3088	500653.6	3732199	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3089	500661	3732205	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3090	500668.4	3732212	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
3091	500675.8	3732218	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
3092	500683.1	3732225	3.15E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
3093	500690.5	3732231	3.14E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
3094	500697.9	3732238	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
3095	500705.3	3732244	3.11E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
3096	500712.7	3732251	3.10E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
3097	500720.1	3732258	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
3098	500727.4	3732264	3.07E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
3099	500734.8	3732271	3.05E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.79E-05	0.00E+00	0.00E+00
3100	500742.2	3732277	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3101	500749.6	3732284	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
3102	500757	3732290	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
3103	500764.3	3732297	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
3104	500771.7	3732304	2.94E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.46E-05	0.00E+00	0.00E+00
3105	500779.1	3732310	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
3106	500786.5	3732317	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3107	500793.9	3732323	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
3108	500816	3732343	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
3109	500823.4	3732349	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
3110	500830.8	3732356	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
3111	500838.1	3732363	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
3112	500845.5	3732369	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
3113	500852.9	3732376	2.64E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
3114	500860.3	3732382	2.60E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
3115	500867.7	3732389	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3116	500875.1	3732395	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3117	500882.4	3732402	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
3118	500889.8	3732408	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
3119	500897.2	3732415	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3120	500904.6	3732422	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
3121	500912	3732428	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.57E-05	0.00E+00	0.00E+00
3122	500919.3	3732435	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
3123	500926.7	3732441	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
3124	500934.1	3732448	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
3125	500941.5	3732454	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
3126	500948.9	3732461	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
3127	500956.2	3732467	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
3128	500963.6	3732474	2.10E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
3129	500971	3732481	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
3130	500978.4	3732487	2.03E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
3131	500985.8	3732494	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
3132	500993.1	3732500	1.97E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00

3133	501000.5	3732507	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
3134	501007.9	3732513	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
3135	501015.3	3732520	1.86E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
3136	501022.7	3732527	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
3137	501052.2	3732553	1.70E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
3138	501059.6	3732559	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
3139	501067	3732566	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
3140	501074.3	3732572	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
3141	501081.7	3732579	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
3142	501089.1	3732586	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
3143	501098.2	3732602	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
3144	501100	3732612	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
3145	501101.7	3732621	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
3146	501103.5	3732631	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
3147	501105.3	3732641	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
3148	501107	3732650	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
3149	501108.8	3732660	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
3150	501110.5	3732670	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
3151	501112.3	3732680	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
3152	501114	3732689	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
3153	501115.8	3732699	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
3154	501117.6	3732709	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
3155	501119.3	3732718	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
3156	501121.1	3732728	1.34E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
3157	501122.8	3732738	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
3158	501124.6	3732748	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
3159	501126.3	3732757	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
3160	501128.1	3732767	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
3161	501129.8	3732777	1.27E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
3162	501131.6	3732786	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
3163	501133.4	3732796	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
3164	501135.1	3732806	1.23E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
3165	501136.9	3732816	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
3166	501138.6	3732825	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
3167	501140.4	3732835	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
3168	501142.1	3732845	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3169	501143.9	3732854	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
3170	501207.1	3733204	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
3171	501208.9	3733214	8.55E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
3172	501210.6	3733224	8.49E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
3173	501212.4	3733233	8.44E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
3174	501214.2	3733243	8.38E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
3175	501215.9	3733253	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
3176	500568.9	3732132	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3177	500559.8	3732128	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3178	500550.7	3732124	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3179	500541.6	3732121	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
3180	500532.4	3732117	3.17E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3181	500523.3	3732113	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
3182	500514.2	3732109	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
3183	500505.1	3732105	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
3184	500495.9	3732102	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
3185	500486.8	3732098	3.14E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.80E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
3186	500477.7	3732094	3.14E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
3187	500468.6	3732090	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
3188	500459.4	3732086	3.11E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
3189	500450.3	3732083	3.10E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
3190	500441.2	3732079	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
3191	500432.1	3732075	3.07E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
3192	500422.9	3732071	3.06E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
3193	500413.8	3732068	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.76E-05	0.00E+00	0.00E+00
3194	500404.7	3732064	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3195	500395.5	3732060	3.00E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.54E-04	0.00E+00	0.00E+00	4.52E-05	9.65E-05	0.00E+00	0.00E+00
3196	500386.4	3732056	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
3197	500377.3	3732052	2.96E-04	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.51E-05	0.00E+00	0.00E+00
3198	500368.2	3732049	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
3199	500359	3732045	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3200	500349.9	3732041	2.89E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3201	500340.8	3732037	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
3202	500331.7	3732033	2.85E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
3203	500322.5	3732030	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
3204	500313.4	3732026	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
3205	500304.3	3732022	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
3206	500295.2	3732018	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
3207	500286	3732014	2.71E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
3208	500608.2	3732113	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3209	500615.5	3732120	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
3210	500622.8	3732126	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.76E-05	0.00E+00	0.00E+00
3211	500630.2	3732133	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
3212	500688.7	3732185	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
3213	500696	3732191	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
3214	500703.3	3732198	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
3215	500710.6	3732204	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
3216	500717.9	3732211	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
3217	500725.3	3732217	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3218	500732.6	3732224	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.46E-05	9.52E-05	0.00E+00	0.00E+00
3219	500739.9	3732230	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
3220	500747.2	3732237	2.94E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
3221	500754.5	3732243	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3222	500761.8	3732250	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3223	500769.2	3732256	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
3224	500776.5	3732263	2.86E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
3225	500783.8	3732269	2.84E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
3226	500791.1	3732276	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
3227	500820.4	3732302	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
3228	500827.7	3732308	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
3229	500835	3732315	2.68E-04	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
3230	500842.3	3732321	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
3231	500849.6	3732328	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
3232	500856.9	3732334	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.33E-05	0.00E+00	0.00E+00
3233	500864.3	3732341	2.57E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
3234	500871.6	3732347	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3235	500878.9	3732354	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.05E-05	0.00E+00	0.00E+00
3236	500886.2	3732360	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
3237	500893.5	3732367	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.86E-05	0.00E+00	0.00E+00
3238	500900.8	3732373	2.42E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.76E-05	0.00E+00	0.00E+00
3239	500908.2	3732380	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
3240	500915.5	3732386	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
3241	500922.8	3732393	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
3242	500930.1	3732399	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
3243	500937.4	3732406	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
3244	500944.7	3732412	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00

3245	500952	3732419	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
3246	500959.4	3732425	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
3247	500966.7	3732432	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
3248	500974	3732438	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
3249	500981.3	3732445	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
3250	500988.6	3732451	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
3251	500995.9	3732458	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
3252	501003.3	3732464	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
3253	501010.6	3732471	1.92E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
3254	501017.9	3732477	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
3255	501025.2	3732484	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
3256	501032.5	3732490	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
3257	501039.8	3732497	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
3258	501047.1	3732503	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
3259	501054.5	3732510	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
3260	501061.8	3732516	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
3261	501069.1	3732523	1.66E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
3262	501076.4	3732529	1.64E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
3263	501083.7	3732536	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
3264	501120.3	3732568	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
3265	501129.4	3732584	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
3266	501131.1	3732594	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3267	501132.8	3732603	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
3268	501134.6	3732613	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
3269	501136.3	3732623	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
3270	501138.1	3732632	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
3271	501139.8	3732642	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
3272	501141.5	3732652	1.34E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
3273	501143.3	3732661	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
3274	501145	3732671	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
3275	501146.8	3732681	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
3276	501148.5	3732690	1.29E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
3277	501150.2	3732700	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
3278	501152	3732709	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
3279	501153.7	3732719	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
3280	501155.5	3732729	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
3281	501157.2	3732738	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
3282	501159	3732748	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
3283	501160.7	3732758	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
3284	501162.4	3732767	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
3285	501164.2	3732777	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3286	501165.9	3732786	1.17E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
3287	501167.7	3732796	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
3288	501169.4	3732806	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
3289	501171.1	3732815	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
3290	501172.9	3732825	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
3291	501174.6	3732835	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
3292	501176.4	3732844	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
3293	501246	3733229	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
3294	501247.7	3733239	7.99E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
3295	501249.5	3733249	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
3296	501251.2	3733258	7.89E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
3297	500600.9	3732107	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3298	500591.8	3732103	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
3299	500582.6	3732099	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3300	500573.5	3732095	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3301	500564.4	3732091	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3302	500555.3	3732088	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3303	500546.1	3732084	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.74E-05	0.00E+00	0.00E+00
3304	500537	3732080	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3305	500527.9	3732076	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3306	500518.8	3732072	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
3307	500509.6	3732069	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
3308	500500.5	3732065	3.01E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
3309	500491.4	3732061	3.00E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
3310	500482.3	3732057	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
3311	500473.1	3732054	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3312	500464	3732050	2.97E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.46E-05	9.52E-05	0.00E+00	0.00E+00
3313	500454.9	3732046	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
3314	500445.8	3732042	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.42E-05	9.44E-05	0.00E+00	0.00E+00
3315	500436.6	3732038	2.92E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.39E-05	0.00E+00	0.00E+00
3316	500427.5	3732035	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
3317	500418.4	3732031	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.29E-05	0.00E+00	0.00E+00
3318	500409.2	3732027	2.87E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
3319	500400.1	3732023	2.86E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
3320	500391	3732019	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
3321	500381.9	3732016	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
3322	500372.7	3732012	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3323	500363.6	3732008	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3324	500354.5	3732004	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
3325	500345.4	3732000	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
3326	500336.2	3731997	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
3327	500327.1	3731993	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
3328	500318	3731989	2.66E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3329	500308.9	3731985	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
3330	500299.7	3731981	2.61E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
3331	500622	3732080	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3332	500629.3	3732087	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.33E-05	0.00E+00	0.00E+00
3333	500636.7	3732093	2.91E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.38E-05	9.35E-05	0.00E+00	0.00E+00
3334	500644	3732100	2.91E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
3335	500651.4	3732106	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3336	500658.7	3732113	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3337	500666.1	3732119	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3338	500673.4	3732126	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3339	500680.8	3732132	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
3340	500739.6	3732185	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
3341	500747	3732191	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
3342	500754.3	3732198	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
3343	500761.7	3732204	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
3344	500769	3732211	2.81E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
3345	500776.4	3732217	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
3346	500783.7	3732224	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3347	500791.1	3732230	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
3348	500820.5	3732257	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
3349	500827.9	3732263	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3350	500835.2	3732270	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
3351	500842.6	3732276	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
3352	500849.9	3732283	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
3353	500857.3	3732289	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
3354	500864.6	3732296	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3355	500872	3732302	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
3356	500879.3	3732309	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00

3357	500886.7	3732315	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
3358	500894	3732322	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
3359	500901.4	3732328	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
3360	500908.7	3732335	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.63E-05	0.00E+00	0.00E+00
3361	500916.1	3732341	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
3362	500923.4	3732348	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
3363	500930.8	3732355	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
3364	500938.2	3732361	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
3365	500945.5	3732368	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
3366	500952.9	3732374	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.03E-05	0.00E+00	0.00E+00
3367	500960.2	3732381	2.16E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.92E-05	0.00E+00	0.00E+00
3368	500967.6	3732387	2.12E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
3369	500974.9	3732394	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
3370	500982.3	3732400	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
3371	500989.6	3732407	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
3372	500997	3732413	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
3373	501004.3	3732420	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
3374	501011.7	3732426	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
3375	501019	3732433	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
3376	501026.4	3732440	1.87E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
3377	501033.7	3732446	1.84E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
3378	501041.1	3732453	1.81E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
3379	501048.5	3732459	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.68E-05	5.73E-05	0.00E+00	0.00E+00
3380	501055.8	3732466	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
3381	501063.2	3732472	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
3382	501070.5	3732479	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
3383	501077.9	3732485	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
3384	501085.2	3732492	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
3385	501092.6	3732498	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
3386	501099.9	3732505	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
3387	501107.3	3732511	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
3388	501114.6	3732518	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
3389	501122	3732524	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
3390	501129.3	3732531	1.47E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
3391	501136.7	3732538	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
3392	501144.1	3732544	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3393	501151.4	3732551	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
3394	501164	3732586	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
3395	501165.8	3732596	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
3396	501167.5	3732606	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
3397	501169.3	3732615	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
3398	501171	3732625	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
3399	501172.8	3732635	1.28E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
3400	501174.5	3732644	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
3401	501176.3	3732654	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
3402	501178	3732664	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
3403	501179.8	3732673	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
3404	501181.5	3732683	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
3405	501183.3	3732693	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
3406	501185	3732702	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
3407	501186.8	3732712	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3408	501188.5	3732722	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
3409	501190.3	3732731	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
3410	501192	3732741	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
3411	501193.8	3732751	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
3412	501195.5	3732760	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.64E-05	0.00E+00	0.00E+00
3413	501197.3	3732770	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
3414	501199	3732780	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
3415	501200.8	3732789	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
3416	501202.5	3732799	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
3417	501204.3	3732809	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
3418	501206	3732818	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
3419	501207.8	3732828	1.06E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
3420	501276	3733206	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
3421	501277.7	3733215	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
3422	501279.5	3733225	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
3423	501281.2	3733235	7.63E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
3424	501283	3733244	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
3425	501284.7	3733254	7.54E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
3426	501286.5	3733264	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
3427	500614.6	3732074	2.89E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3428	500605.5	3732070	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
3429	500596.3	3732066	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3430	500587.2	3732062	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3431	500578.1	3732058	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3432	500569	3732055	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3433	500559.8	3732051	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
3434	500550.7	3732047	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
3435	500541.6	3732043	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
3436	500532.5	3732039	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
3437	500523.3	3732036	2.88E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
3438	500514.2	3732032	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
3439	500505.1	3732028	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
3440	500496	3732024	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
3441	500486.8	3732021	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
3442	500477.7	3732017	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
3443	500468.6	3732013	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.08E-05	0.00E+00	0.00E+00
3444	500459.5	3732009	2.81E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.03E-05	0.00E+00	0.00E+00
3445	500450.3	3732005	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3446	500441.2	3732002	2.79E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
3447	500432.1	3731998	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
3448	500422.9	3731994	2.75E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.84E-05	0.00E+00	0.00E+00
3449	500413.8	3731990	2.74E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
3450	500404.7	3731986	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
3451	500395.6	3731983	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.06E-05	8.67E-05	0.00E+00	0.00E+00
3452	500386.4	3731979	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
3453	500377.3	3731975	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.01E-05	8.54E-05	0.00E+00	0.00E+00
3454	500368.2	3731971	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
3455	500359.1	3731967	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
3456	500349.9	3731964	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
3457	500340.8	3731960	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
3458	500331.7	3731956	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
3459	500322.6	3731952	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
3460	500313.4	3731948	2.50E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
3461	500304.3	3731945	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
3462	500295.2	3731941	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
3463	500286.1	3731937	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3464	500635.6	3732047	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3465	500642.9	3732054	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
3466	500650.2	3732060	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
3467	500657.5	3732067	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3468	500664.8	3732073	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00

3469	500672.1	3732079	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3470	500679.4	3732086	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3471	500686.6	3732092	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3472	500693.9	3732099	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
3473	500701.2	3732105	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3474	500708.5	3732112	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
3475	500715.8	3732118	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
3476	500723.1	3732125	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
3477	500730.4	3732131	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3478	500788.8	3732183	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.65E-05	0.00E+00	0.00E+00
3479	500796.1	3732190	2.68E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
3480	500803.3	3732196	2.66E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.55E-05	0.00E+00	0.00E+00
3481	500810.6	3732203	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.98E-05	8.50E-05	0.00E+00	0.00E+00
3482	500817.9	3732209	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
3483	500825.2	3732216	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
3484	500832.5	3732222	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3485	500839.8	3732229	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3486	500847.1	3732235	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
3487	500854.4	3732242	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
3488	500861.7	3732248	2.51E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
3489	500869	3732254	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
3490	500876.3	3732261	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
3491	500883.6	3732267	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
3492	500890.9	3732274	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3493	500898.2	3732280	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
3494	500905.5	3732287	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
3495	500912.7	3732293	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
3496	500920	3732300	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
3497	500927.3	3732306	2.29E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.37E-05	0.00E+00	0.00E+00
3498	500934.6	3732313	2.27E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
3499	500941.9	3732319	2.24E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
3500	500949.2	3732326	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
3501	500956.5	3732332	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
3502	500963.8	3732339	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
3503	500971.1	3732345	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
3504	500978.4	3732352	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
3505	500985.7	3732358	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
3506	500993	3732365	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
3507	501000.3	3732371	2.00E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.43E-05	0.00E+00	0.00E+00
3508	501007.6	3732378	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
3509	501014.9	3732384	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
3510	501022.2	3732391	1.91E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
3511	501029.4	3732397	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
3512	501036.7	3732404	1.86E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
3513	501044	3732410	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
3514	501051.3	3732416	1.80E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.71E-05	5.77E-05	0.00E+00	0.00E+00
3515	501058.6	3732423	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
3516	501065.9	3732429	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
3517	501073.2	3732436	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
3518	501080.5	3732442	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
3519	501087.8	3732449	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
3520	501095.1	3732455	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
3521	501102.4	3732462	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
3522	501109.7	3732468	1.58E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
3523	501117	3732475	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
3524	501124.3	3732481	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
3525	501131.6	3732488	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
3526	501138.8	3732494	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
3527	501146.1	3732501	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
3528	501153.4	3732507	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
3529	501160.7	3732514	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
3530	501168	3732520	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
3531	501175.3	3732527	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
3532	501182.6	3732533	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
3533	501191.6	3732549	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
3534	501193.4	3732559	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
3535	501195.1	3732568	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
3536	501198.6	3732588	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
3537	501200.3	3732597	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
3538	501202	3732607	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
3539	501203.8	3732616	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
3540	501205.5	3732626	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
3541	501207.3	3732636	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
3542	501209	3732645	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
3543	501210.7	3732655	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
3544	501212.5	3732664	1.17E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
3545	501214.2	3732674	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
3546	501215.9	3732684	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
3547	501217.7	3732693	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
3548	501219.4	3732703	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
3549	501221.1	3732712	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
3550	501222.9	3732722	1.10E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
3551	501224.6	3732732	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
3552	501226.3	3732741	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
3553	501228.1	3732751	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
3554	501229.8	3732760	1.07E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
3555	501231.6	3732770	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
3556	501233.3	3732780	1.05E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
3557	501235	3732789	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
3558	501236.8	3732799	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
3559	501238.5	3732808	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
3560	501240.2	3732818	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
3561	501311.4	3733212	7.36E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
3562	501313.1	3733221	7.31E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
3563	501314.9	3733231	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
3564	501316.6	3733241	7.22E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	1.33E-04	0.00E+00	0.00E+00	1.09E-05	2.32E-05	0.00E+00	0.00E+00
3565	501318.3	3733250	7.18E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	1.32E-04	0.00E+00	0.00E+00	1.08E-05	2.31E-05	0.00E+00	0.00E+00
3566	501320.1	3733260	7.14E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	1.32E-04	0.00E+00	0.00E+00	1.07E-05	2.29E-05	0.00E+00	0.00E+00
3567	501321.8	3733269	7.10E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
3568	500628.3	3732041	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3569	500619.2	3732037	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3570	500610	3732033	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3571	500600.9	3732029	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3572	500591.8	3732025	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
3573	500582.7	3732022	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3574	500573.5	3732018	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3575	500564.4	3732014	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3576	500555.3	3732010	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
3577	500546.2	3732006	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
3578	500537	3732003	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
3579	500527.9	3731999	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
3580	500518.8	3731995	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00

3581	500509.7	3731991	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.80E-05	0.00E+00	0.00E+00
3582	500500.5	3731988	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
3583	500491.4	3731984	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
3584	500482.3	3731980	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
3585	500473.2	3731976	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
3586	500464	3731972	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
3587	500454.9	3731969	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
3588	500445.8	3731965	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
3589	500436.7	3731961	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
3590	500427.5	3731957	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
3591	500418.4	3731953	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
3592	500409.3	3731950	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3593	500400.1	3731946	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3594	500391	3731942	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
3595	500381.9	3731938	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
3596	500372.8	3731934	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
3597	500363.6	3731931	2.50E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.01E-05	0.00E+00	0.00E+00
3598	500354.5	3731927	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
3599	500345.4	3731923	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
3600	500336.3	3731919	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
3601	500327.1	3731916	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
3602	500318	3731912	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
3603	500308.9	3731908	2.36E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
3604	500299.8	3731904	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
3605	500290.6	3731900	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
3606	499844.3	3732910	1.27E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
3607	499853.7	3732909	1.36E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.37E-04	0.00E+00	0.00E+00
3608	499863.1	3732908	1.45E-03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.66E-04	0.00E+00	0.00E+00
3609	499814.5	3732895	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
3610	499823.9	3732894	1.02E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
3611	499833.3	3732893	1.08E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
3612	499842.6	3732892	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
3613	499852	3732891	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.89E-04	0.00E+00	0.00E+00
3614	499861.4	3732890	1.28E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
3615	499870.8	3732889	1.36E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
3616	499803.4	3732878	8.42E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
3617	499812.8	3732877	8.86E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
3618	499822.2	3732876	9.33E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	3.00E-04	0.00E+00	0.00E+00
3619	499831.6	3732875	9.83E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
3620	499840.9	3732875	1.04E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
3621	499850.3	3732874	1.09E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.51E-04	0.00E+00	0.00E+00
3622	499859.7	3732873	1.15E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.70E-04	0.00E+00	0.00E+00
3623	499869.1	3732872	1.21E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.89E-04	0.00E+00	0.00E+00
3624	499878.4	3732871	1.27E-03	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
3625	499774	3732879	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
3626	499778.5	3732871	7.19E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
3627	499792.3	3732862	7.48E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
3628	499801.7	3732861	7.83E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
3629	499811.1	3732860	8.21E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
3630	499820.5	3732859	8.60E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
3631	499829.8	3732858	9.03E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
3632	499839.2	3732857	9.48E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
3633	499848.6	3732856	9.95E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
3634	499858	3732855	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
3635	499867.4	3732854	1.09E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.51E-04	0.00E+00	0.00E+00
3636	499876.7	3732853	1.14E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
3637	499886.1	3732852	1.20E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
3638	499758.5	3732871	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.81E-05	2.09E-04	0.00E+00	0.00E+00
3639	499763	3732862	6.50E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
3640	499767.4	3732854	6.47E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.75E-05	2.08E-04	0.00E+00	0.00E+00
3641	499781.2	3732845	6.72E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
3642	499790.6	3732844	7.01E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
3643	499800	3732843	7.31E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
3644	499809.4	3732842	7.64E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
3645	499818.8	3732841	7.98E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
3646	499828.1	3732840	8.35E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
3647	499837.5	3732839	8.73E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
3648	499846.9	3732839	9.13E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
3649	499856.3	3732838	9.54E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
3650	499865.7	3732837	9.97E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
3651	499875	3732836	1.04E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
3652	499884.4	3732835	1.08E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.00E-03	0.00E+00	0.00E+00	1.63E-04	3.48E-04	0.00E+00	0.00E+00
3653	499893.8	3732834	1.13E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
3654	499743	3732862	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.90E-04	0.00E+00	0.00E+00
3655	499747.4	3732854	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
3656	499751.9	3732846	5.90E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.88E-05	1.89E-04	0.00E+00	0.00E+00
3657	499756.3	3732837	5.88E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
3658	499770.2	3732828	6.09E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
3659	499779.5	3732827	6.33E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.52E-05	2.03E-04	0.00E+00	0.00E+00
3660	499788.9	3732826	6.58E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.91E-05	2.11E-04	0.00E+00	0.00E+00
3661	499798.3	3732826	6.85E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
3662	499807.7	3732825	7.14E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
3663	499817.1	3732824	7.44E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
3664	499826.4	3732823	7.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
3665	499835.8	3732822	8.09E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
3666	499845.2	3732821	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
3667	499854.6	3732820	8.79E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
3668	499864	3732819	9.16E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
3669	499873.3	3732818	9.54E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
3670	499882.7	3732817	9.92E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.19E-04	0.00E+00	0.00E+00
3671	499892.1	3732816	1.03E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
3672	499901.5	3732816	1.07E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
3673	499727.4	3732854	5.43E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
3674	499731.9	3732846	5.42E-04	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.99E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
3675	499736.3	3732837	5.40E-04	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
3676	499740.8	3732829	5.39E-04	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
3677	499745.2	3732821	5.37E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
3678	499759.1	3732812	5.55E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
3679	499768.5	3732811	5.75E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.66E-05	1.85E-04	0.00E+00	0.00E+00
3680	499777.8	3732810	5.97E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
3681	499787.2	3732809	6.20E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
3682	499796.6	3732808	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
3683	499806	3732807	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
3684	499815.3	3732806	6.96E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
3685	499824.7	3732805	7.24E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
3686	499834.1	3732804	7.53E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
3687	499843.5	3732803	7.83E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
3688	499852.9	3732803	8.14E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
3689	499862.2	3732802	8.47E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
3690	499871.6	3732801	8.79E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
3691	499881	3732800	9.13E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
3692	499890.4	3732799	9.46E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04	1.74E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00

3693	499899.8	3732798	9.80E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
3694	499909.1	3732797	1.01E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.25E-04	0.00E+00	0.00E+00
3695	499710.5	3732848	5.00E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
3696	499715.2	3732840	4.99E-04	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
3697	499719.8	3732831	4.98E-04	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
3698	499724.5	3732822	4.97E-04	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.48E-05	1.60E-04	0.00E+00	0.00E+00
3699	499729.2	3732813	4.96E-04	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.14E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
3700	499733.9	3732805	4.94E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
3701	499748.5	3732795	5.10E-04	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.40E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
3702	499758.4	3732794	5.29E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
3703	499768.2	3732793	5.48E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.26E-05	1.76E-04	0.00E+00	0.00E+00
3704	499778.1	3732792	5.69E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.57E-05	1.83E-04	0.00E+00	0.00E+00
3705	499788	3732791	5.91E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.90E-05	1.90E-04	0.00E+00	0.00E+00
3706	499797.8	3732790	6.14E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.24E-05	1.97E-04	0.00E+00	0.00E+00
3707	499807.7	3732789	6.38E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.61E-05	2.05E-04	0.00E+00	0.00E+00
3708	499817.6	3732788	6.63E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
3709	499827.5	3732787	6.90E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
3710	499837.3	3732786	7.18E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
3711	499847.2	3732785	7.46E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
3712	499857.1	3732784	7.76E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
3713	499867	3732783	8.06E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
3714	499876.8	3732782	8.37E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
3715	499886.7	3732781	8.68E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
3716	499896.6	3732781	9.00E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
3717	499906.4	3732780	9.31E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
3718	499916.3	3732779	9.62E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
3719	499689.4	3732832	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
3720	499694	3732823	4.45E-04	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
3721	499698.7	3732814	4.44E-04	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
3722	499703.3	3732806	4.43E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
3723	499708	3732797	4.42E-04	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.15E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
3724	499712.7	3732788	4.41E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.12E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
3725	499717.3	3732780	4.40E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
3726	499731.8	3732770	4.53E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
3727	499741.6	3732769	4.68E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
3728	499751.4	3732768	4.83E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
3729	499761.2	3732767	5.00E-04	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.21E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
3730	499771	3732766	5.17E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.53E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
3731	499780.8	3732765	5.35E-04	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
3732	499790.6	3732764	5.54E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
3733	499800.4	3732763	5.74E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
3734	499810.2	3732762	5.95E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
3735	499820	3732761	6.17E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.29E-05	1.98E-04	0.00E+00	0.00E+00
3736	499829.8	3732760	6.40E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.64E-05	2.06E-04	0.00E+00	0.00E+00
3737	499839.6	3732759	6.64E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
3738	499849.5	3732759	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
3739	499859.3	3732758	7.13E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
3740	499869.1	3732757	7.38E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
3741	499878.9	3732756	7.64E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
3742	499888.7	3732755	7.91E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
3743	499898.5	3732754	8.17E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
3744	499908.3	3732753	8.43E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
3745	499918.1	3732752	8.70E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
3746	499927.9	3732751	8.96E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
3747	499663.6	3732824	4.01E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
3748	499668.3	3732815	4.00E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
3749	499672.9	3732806	4.00E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
3750	499677.5	3732798	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
3751	499682.2	3732789	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
3752	499686.8	3732780	3.98E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
3753	499691.4	3732772	3.97E-04	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
3754	499696.1	3732763	3.96E-04	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.29E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
3755	499700.7	3732755	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
3756	499715.1	3732745	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
3757	499724.9	3732744	4.18E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
3758	499734.6	3732743	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
3759	499744.4	3732742	4.44E-04	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
3760	499754.1	3732741	4.58E-04	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
3761	499763.9	3732740	4.73E-04	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.72E-04	0.00E+00	0.00E+00	7.12E-05	1.52E-04	0.00E+00	0.00E+00
3762	499773.6	3732739	4.88E-04	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
3763	499783.4	3732738	5.04E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
3764	499793.1	3732737	5.21E-04	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.61E-04	0.00E+00	0.00E+00	7.85E-05	1.67E-04	0.00E+00	0.00E+00
3765	499802.9	3732736	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
3766	499812.6	3732736	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
3767	499822.4	3732735	5.76E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
3768	499832.2	3732734	5.96E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
3769	499841.9	3732733	6.16E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
3770	499851.7	3732732	6.37E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
3771	499861.4	3732731	6.59E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
3772	499871.2	3732730	6.80E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
3773	499880.9	3732729	7.03E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
3774	499890.7	3732728	7.25E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
3775	499900.4	3732727	7.48E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
3776	499910.2	3732726	7.70E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
3777	499919.9	3732725	7.93E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
3778	499929.7	3732724	8.15E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
3779	499939.5	3732723	8.37E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
3780	499637.9	3732816	3.63E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
3781	499642.6	3732807	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
3782	499647.2	3732798	3.63E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
3783	499651.8	3732790	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
3784	499656.4	3732781	3.62E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
3785	499661	3732773	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
3786	499665.6	3732764	3.60E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
3787	499670.3	3732755	3.59E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
3788	499674.9	3732747	3.59E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
3789	499679.5	3732738	3.58E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
3790	499684.1	3732730	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
3791	499698.4	3732720	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
3792	499708.2	3732719	3.76E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
3793	499717.9	3732718	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
3794	499727.6	3732717	3.98E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
3795	499737.3	3732716	4.10E-04	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
3796	499747	3732715	4.22E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.36E-04	0.00E+00	0.00E+00
3797	499756.7	3732714	4.35E-04	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
3798	499766.4	3732713	4.48E-04	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
3799	499776.2	3732712	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
3800	499785.9	3732712	4.76E-04	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
3801	499795.6	3732711	4.91E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
3802	499805.3	3732710	5.07E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.34E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
3803	499815	3732709	5.23E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
3804	499824.7	3732708	5.40E-04	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.95E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00

3805	499834.4	3732707	5.57E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
3806	499844.1	3732706	5.75E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.85E-04	0.00E+00	0.00E+00
3807	499853.9	3732705	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
3808	499863.6	3732704	6.11E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.20E-05	1.96E-04	0.00E+00	0.00E+00
3809	499873.3	3732703	6.30E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.49E-05	2.02E-04	0.00E+00	0.00E+00
3810	499883	3732702	6.49E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
3811	499892.7	3732701	6.69E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
3812	499902.4	3732700	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
3813	499912.1	3732699	7.08E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.30E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
3814	499921.9	3732698	7.27E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.34E-04	0.00E+00	0.00E+00
3815	499931.6	3732697	7.47E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
3816	499941.3	3732696	7.66E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
3817	499951	3732695	7.84E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
3818	499616.9	3732799	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
3819	499621.5	3732790	3.31E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
3820	499626.1	3732782	3.31E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
3821	499630.7	3732773	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
3822	499635.3	3732765	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
3823	499639.9	3732756	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
3824	499644.5	3732747	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
3825	499649.1	3732739	3.28E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
3826	499653.7	3732730	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
3827	499658.3	3732722	3.26E-04	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.02E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
3828	499662.9	3732713	3.26E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
3829	499667.5	3732705	3.25E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
3830	499681.8	3732695	3.33E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
3831	499691.5	3732694	3.41E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
3832	499701.1	3732693	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
3833	499710.8	3732692	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
3834	499720.5	3732691	3.70E-04	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
3835	499730.2	3732690	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
3836	499739.9	3732689	3.90E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
3837	499749.6	3732688	4.02E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
3838	499759.2	3732688	4.13E-04	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
3839	499768.9	3732687	4.25E-04	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
3840	499778.6	3732686	4.38E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
3841	499788.3	3732685	4.50E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
3842	499798	3732684	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
3843	499807.6	3732683	4.78E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
3844	499817.3	3732682	4.92E-04	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
3845	499827	3732681	5.07E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.34E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
3846	499836.7	3732680	5.22E-04	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
3847	499846.4	3732679	5.38E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
3848	499856	3732678	5.54E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
3849	499865.7	3732677	5.70E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
3850	499875.4	3732676	5.86E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
3851	499885.1	3732675	6.03E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.08E-05	1.94E-04	0.00E+00	0.00E+00
3852	499894.8	3732674	6.20E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
3853	499904.5	3732673	6.37E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
3854	499914.1	3732672	6.54E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
3855	499923.8	3732672	6.71E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
3856	499933.5	3732671	6.88E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
3857	499943.2	3732670	7.05E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
3858	499952.9	3732669	7.21E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
3859	499962.5	3732668	7.37E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
3860	499591.2	3732791	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.76E-05	0.00E+00	0.00E+00
3861	499595.8	3732782	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
3862	499600.4	3732774	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
3863	499605	3732765	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3864	499609.6	3732757	3.03E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
3865	499614.2	3732748	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
3866	499618.8	3732739	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
3867	499623.4	3732731	3.01E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
3868	499627.9	3732722	3.01E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.66E-05	0.00E+00	0.00E+00
3869	499632.5	3732714	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
3870	499637.1	3732705	3.00E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
3871	499641.7	3732697	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
3872	499646.3	3732688	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
3873	499650.9	3732680	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
3874	499665.1	3732670	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
3875	499674.8	3732669	3.12E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
3876	499684.4	3732668	3.19E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
3877	499694.1	3732667	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
3878	499703.7	3732666	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
3879	499713.4	3732665	3.44E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
3880	499723.1	3732664	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
3881	499732.7	3732664	3.63E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
3882	499742.4	3732663	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
3883	499752	3732662	3.83E-04	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
3884	499761.7	3732661	3.93E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
3885	499771.3	3732660	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
3886	499781	3732659	4.15E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
3887	499790.6	3732658	4.27E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
3888	499800.3	3732657	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
3889	499809.9	3732656	4.51E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
3890	499819.6	3732655	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.99E-05	1.49E-04	0.00E+00	0.00E+00
3891	499829.3	3732654	4.77E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
3892	499838.9	3732653	4.91E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.04E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
3893	499848.6	3732652	5.05E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
3894	499858.2	3732651	5.19E-04	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
3895	499867.9	3732650	5.33E-04	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
3896	499877.5	3732649	5.48E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.24E-05	1.76E-04	0.00E+00	0.00E+00
3897	499887.2	3732649	5.62E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
3898	499896.8	3732648	5.77E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
3899	499906.5	3732647	5.92E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
3900	499916.1	3732646	6.07E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.12E-03	0.00E+00	0.00E+00	9.14E-05	1.95E-04	0.00E+00	0.00E+00
3901	499925.8	3732645	6.22E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.37E-05	2.00E-04	0.00E+00	0.00E+00
3902	499935.5	3732644	6.37E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
3903	499945.1	3732643	6.52E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.81E-05	2.09E-04	0.00E+00	0.00E+00
3904	499954.8	3732642	6.66E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
3905	499964.4	3732641	6.81E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
3906	499974.1	3732640	6.95E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
3907	499565.6	3732782	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
3908	499570.2	3732774	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
3909	499574.8	3732765	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3910	499579.3	3732757	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
3911	499583.9	3732748	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
3912	499588.5	3732740	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
3913	499593.1	3732731	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
3914	499597.6	3732723	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
3915	499602.2	3732714	2.78E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
3916	499606.8	3732706	2.77E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00

3917	499611.4	3732697	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.88E-05	0.00E+00	0.00E+00
3918	499616	3732689	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
3919	499620.5	3732680	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
3920	499625.1	3732672	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
3921	499629.7	3732663	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
3922	499634.3	3732655	2.74E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.80E-05	0.00E+00	0.00E+00
3923	499648.5	3732645	2.80E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
3924	499658.1	3732644	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
3925	499667.7	3732643	2.93E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.40E-05	0.00E+00	0.00E+00
3926	499677.4	3732642	2.99E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
3927	499687	3732641	3.07E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
3928	499696.6	3732640	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
3929	499706.3	3732640	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
3930	499715.9	3732639	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
3931	499725.5	3732638	3.38E-04	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
3932	499735.2	3732637	3.47E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
3933	499744.8	3732636	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
3934	499754.4	3732635	3.65E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
3935	499764.1	3732634	3.74E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
3936	499773.7	3732633	3.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
3937	499783.3	3732632	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
3938	499793	3732631	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
3939	499802.6	3732630	4.16E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
3940	499812.2	3732629	4.27E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
3941	499821.9	3732628	4.39E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
3942	499831.5	3732627	4.50E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
3943	499841.1	3732626	4.62E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
3944	499850.8	3732625	4.75E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
3945	499860.4	3732625	4.87E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
3946	499870	3732624	5.00E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
3947	499879.7	3732623	5.13E-04	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
3948	499889.3	3732622	5.26E-04	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
3949	499898.9	3732621	5.39E-04	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
3950	499908.6	3732620	5.53E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
3951	499918.2	3732619	5.66E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
3952	499927.8	3732618	5.79E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
3953	499937.4	3732617	5.93E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
3954	499947.1	3732616	6.06E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.94E-04	0.00E+00	0.00E+00
3955	499956.7	3732615	6.19E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
3956	499966.3	3732614	6.31E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
3957	499976	3732613	6.44E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
3958	499985.6	3732612	6.56E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.21E-03	0.00E+00	0.00E+00	9.88E-05	2.11E-04	0.00E+00	0.00E+00
3959	499542.6	3732769	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3960	499547.2	3732761	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
3961	499551.9	3732752	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
3962	499556.6	3732743	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
3963	499561.3	3732735	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
3964	499566	3732726	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
3965	499570.7	3732717	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
3966	499575.4	3732708	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
3967	499580	3732700	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
3968	499584.7	3732691	2.57E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
3969	499589.4	3732682	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
3970	499594.1	3732673	2.56E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
3971	499598.8	3732665	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
3972	499603.5	3732656	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
3973	499608.2	3732647	2.54E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
3974	499612.8	3732639	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
3975	499617.5	3732630	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
3976	499632.1	3732620	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
3977	499641.9	3732619	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
3978	499651.8	3732618	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.06E-05	8.67E-05	0.00E+00	0.00E+00
3979	499661.7	3732617	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
3980	499671.5	3732616	2.82E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
3981	499681.4	3732615	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
3982	499691.2	3732614	2.96E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.46E-05	9.50E-05	0.00E+00	0.00E+00
3983	499701.1	3732613	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
3984	499711	3732612	3.11E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
3985	499720.8	3732612	3.18E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
3986	499730.7	3732611	3.26E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
3987	499740.5	3732610	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
3988	499750.4	3732609	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
3989	499760.3	3732608	3.52E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
3990	499770.1	3732607	3.61E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
3991	499780	3732606	3.70E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
3992	499789.8	3732605	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
3993	499799.7	3732604	3.90E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
3994	499809.6	3732603	4.00E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
3995	499819.4	3732602	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
3996	499829.3	3732601	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
3997	499839.1	3732600	4.32E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
3998	499849	3732599	4.43E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
3999	499858.9	3732598	4.55E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
4000	499868.7	3732597	4.67E-04	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.02E-05	1.50E-04	0.00E+00	0.00E+00
4001	499878.6	3732596	4.78E-04	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.82E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
4002	499888.4	3732595	4.90E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
4003	499898.3	3732594	5.02E-04	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.26E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
4004	499908.2	3732593	5.15E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.48E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
4005	499918	3732592	5.27E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
4006	499927.9	3732591	5.39E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
4007	499937.7	3732590	5.51E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.02E-03	0.00E+00	0.00E+00	8.30E-05	1.77E-04	0.00E+00	0.00E+00
4008	499947.6	3732589	5.63E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
4009	499957.5	3732589	5.75E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.66E-05	1.85E-04	0.00E+00	0.00E+00
4010	499967.3	3732588	5.87E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
4011	499977.2	3732587	5.98E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
4012	499987	3732586	6.10E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
4013	499996.9	3732585	6.21E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
4014	499516.9	3732761	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
4015	499521.5	3732753	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
4016	499526.2	3732744	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
4017	499530.9	3732735	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
4018	499535.5	3732727	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
4019	499540.2	3732718	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
4020	499544.9	3732709	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
4021	499549.6	3732700	2.40E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
4022	499554.2	3732692	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
4023	499558.9	3732683	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
4024	499563.6	3732674	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
4025	499568.2	3732666	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
4026	499572.9	3732657	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
4027	499577.6	3732648	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
4028	499582.2	3732640	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00

4029	499586.9	3732631	2.36E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
4030	499591.6	3732622	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
4031	499596.2	3732614	2.36E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
4032	499600.9	3732605	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
4033	499615.4	3732595	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
4034	499625.2	3732594	2.44E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
4035	499635.1	3732593	2.50E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
4036	499644.9	3732592	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
4037	499654.7	3732591	2.61E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
4038	499664.5	3732590	2.66E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.55E-05	0.00E+00	0.00E+00
4039	499674.4	3732589	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
4040	499684.2	3732588	2.78E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
4041	499694	3732588	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
4042	499703.8	3732587	2.92E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
4043	499713.7	3732586	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
4044	499723.5	3732585	3.05E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.81E-05	0.00E+00	0.00E+00
4045	499733.3	3732584	3.13E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
4046	499743.1	3732583	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
4047	499753	3732582	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
4048	499762.8	3732581	3.36E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
4049	499772.6	3732580	3.44E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
4050	499782.4	3732579	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
4051	499792.3	3732578	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
4052	499802.1	3732577	3.71E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
4053	499811.9	3732576	3.80E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
4054	499821.7	3732575	3.90E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
4055	499831.6	3732574	3.99E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
4056	499841.4	3732573	4.09E-04	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.55E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
4057	499851.2	3732572	4.20E-04	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
4058	499861.1	3732571	4.30E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
4059	499870.9	3732570	4.40E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
4060	499880.7	3732569	4.51E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
4061	499890.5	3732568	4.62E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
4062	499900.4	3732567	4.73E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.71E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
4063	499910.2	3732567	4.83E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
4064	499920	3732566	4.94E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
4065	499929.8	3732565	5.05E-04	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.31E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
4066	499939.7	3732564	5.16E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
4067	499949.5	3732563	5.27E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
4068	499959.3	3732562	5.38E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
4069	499969.1	3732561	5.48E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
4070	499979	3732560	5.59E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
4071	499988.8	3732559	5.69E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
4072	499998.6	3732558	5.79E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
4073	500008.4	3732557	5.88E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.86E-05	1.89E-04	0.00E+00	0.00E+00
4074	499491.2	3732753	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4075	499495.9	3732745	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4076	499500.5	3732736	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4077	499505.2	3732727	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
4078	499509.8	3732719	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
4079	499514.5	3732710	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
4080	499542.4	3732658	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
4081	499547.1	3732649	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
4082	499551.7	3732641	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.12E-05	0.00E+00	0.00E+00
4083	499556.4	3732632	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
4084	499561	3732623	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
4085	499565.7	3732615	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
4086	499570.3	3732606	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
4087	499575	3732597	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
4088	499579.6	3732588	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
4089	499584.3	3732580	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
4090	499598.8	3732570	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
4091	499608.5	3732569	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
4092	499618.3	3732568	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
4093	499628.1	3732567	2.37E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
4094	499637.9	3732566	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
4095	499647.7	3732565	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
4096	499657.5	3732564	2.52E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
4097	499667.3	3732564	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
4098	499677.1	3732563	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
4099	499686.9	3732562	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
4100	499696.7	3732561	2.74E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
4101	499706.5	3732560	2.81E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
4102	499716.3	3732559	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
4103	499726.1	3732558	2.93E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.42E-05	0.00E+00	0.00E+00
4104	499735.9	3732557	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4105	499745.7	3732556	3.07E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
4106	499755.5	3732555	3.14E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
4107	499765.3	3732554	3.22E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
4108	499775.1	3732553	3.29E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
4109	499784.9	3732552	3.37E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
4110	499794.7	3732551	3.45E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
4111	499804.5	3732550	3.54E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
4112	499814.3	3732549	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
4113	499824.1	3732548	3.71E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
4114	499833.9	3732547	3.80E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
4115	499843.6	3732546	3.89E-04	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
4116	499853.4	3732545	3.98E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
4117	499863.2	3732544	4.07E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
4118	499873	3732544	4.17E-04	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
4119	499882.8	3732543	4.26E-04	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
4120	499892.6	3732542	4.36E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
4121	499902.4	3732541	4.46E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
4122	499912.2	3732540	4.55E-04	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
4123	499922	3732539	4.65E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
4124	499931.8	3732538	4.75E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.76E-04	0.00E+00	0.00E+00	7.15E-05	1.53E-04	0.00E+00	0.00E+00
4125	499941.6	3732537	4.85E-04	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
4126	499951.4	3732536	4.95E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
4127	499961.2	3732535	5.04E-04	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
4128	499971	3732534	5.14E-04	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
4129	499980.8	3732533	5.23E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
4130	499990.6	3732532	5.32E-04	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.81E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
4131	500000.4	3732531	5.41E-04	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
4132	499354.1	3732953	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
4133	499358.8	3732944	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
4134	499363.4	3732935	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
4135	499470.2	3732736	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4136	499474.8	3732728	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4137	499479.5	3732719	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4138	499484.1	3732711	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
4139	499488.8	3732702	2.10E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4140	499493.4	3732693	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00

4141	499535.2	3732615	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
4142	499539.8	3732607	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
4143	499544.5	3732598	2.06E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4144	499549.1	3732589	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
4145	499553.8	3732581	2.06E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
4146	499558.4	3732572	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
4147	499563	3732563	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.58E-05	0.00E+00	0.00E+00
4148	499567.7	3732555	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
4149	499582.1	3732545	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
4150	499591.9	3732544	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
4151	499601.6	3732543	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
4152	499611.4	3732542	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.31E-05	7.07E-05	0.00E+00	0.00E+00
4153	499621.2	3732541	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
4154	499630.9	3732540	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
4155	499640.7	3732540	2.34E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
4156	499650.5	3732539	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
4157	499660.3	3732538	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
4158	499670	3732537	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
4159	499679.8	3732536	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
4160	499689.6	3732535	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
4161	499699.3	3732534	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
4162	499709.1	3732533	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
4163	499718.9	3732532	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
4164	499728.6	3732531	2.82E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
4165	499738.4	3732530	2.88E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
4166	499748.2	3732529	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
4167	499758	3732528	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.68E-05	0.00E+00	0.00E+00
4168	499767.7	3732527	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
4169	499777.5	3732526	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
4170	499787.3	3732525	3.23E-04	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
4171	499797	3732524	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
4172	499806.8	3732523	3.38E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
4173	499816.6	3732522	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
4174	499826.3	3732521	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
4175	499836.1	3732521	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
4176	499845.9	3732520	3.70E-04	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
4177	499855.7	3732519	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
4178	499865.4	3732518	3.86E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
4179	499875.2	3732517	3.95E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
4180	499885	3732516	4.04E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
4181	499894.7	3732515	4.12E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.21E-05	1.32E-04	0.00E+00	0.00E+00
4182	499904.5	3732514	4.21E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
4183	499914.3	3732513	4.30E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
4184	499924	3732512	4.39E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
4185	499933.8	3732511	4.48E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
4186	499943.6	3732510	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
4187	499953.3	3732509	4.65E-04	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.49E-04	0.00E+00	0.00E+00
4188	499963.1	3732508	4.74E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
4189	499972.9	3732507	4.83E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
4190	499982.7	3732506	4.91E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
4191	500012	3732503	5.16E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
4192	500021.7	3732503	5.24E-04	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.66E-04	0.00E+00	0.00E+00	7.89E-05	1.68E-04	0.00E+00	0.00E+00
4193	500031.5	3732502	5.32E-04	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
4194	499349.5	3732961	2.04E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
4195	499349.4	3732971	2.06E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
4196	499349.4	3732981	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
4197	499349.4	3732991	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4198	499349.4	3733001	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
4199	499349.4	3733011	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
4200	499349.3	3733021	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
4201	499349.3	3733031	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
4202	499349.3	3733041	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
4203	499349.3	3733051	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
4204	499349.3	3733061	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
4205	499349.2	3733070	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
4206	499349.2	3733080	2.28E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
4207	499349.2	3733090	2.30E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.40E-05	0.00E+00	0.00E+00
4208	499349.2	3733100	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
4209	499349.2	3733110	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
4210	499349.1	3733120	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
4211	499349.1	3733130	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
4212	499349.1	3733140	2.41E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.75E-05	0.00E+00	0.00E+00
4213	499349.1	3733150	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
4214	499349	3733160	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
4215	499349	3733170	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
4216	499349	3733180	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
4217	499349	3733190	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
4218	499349	3733199	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
4219	499348.9	3733209	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
4220	499348.9	3733219	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.35E-05	0.00E+00	0.00E+00
4221	499348.9	3733229	2.62E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
4222	499348.9	3733239	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.50E-05	0.00E+00	0.00E+00
4223	499348.9	3733249	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
4224	499348.8	3733259	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
4225	499348.8	3733269	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
4226	499348.8	3733279	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
4227	499314.1	3732953	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
4228	499318.7	3732944	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
4229	499323.4	3732935	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
4230	499328	3732927	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
4231	499332.6	3732918	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
4232	499337.2	3732909	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
4233	499341.9	3732901	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
4234	499346.5	3732892	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
4235	499351.1	3732884	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
4236	499355.8	3732875	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
4237	499439.1	3732720	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.90E-05	6.20E-05	0.00E+00	0.00E+00
4238	499443.7	3732711	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4239	499448.3	3732703	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4240	499453	3732694	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4241	499457.6	3732685	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
4242	499462.2	3732677	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
4243	499494.6	3732616	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
4244	499499.2	3732608	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
4245	499503.9	3732599	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
4246	499508.5	3732590	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
4247	499513.1	3732582	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
4248	499517.8	3732573	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
4249	499522.4	3732565	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
4250	499527	3732556	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
4251	499531.6	3732547	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
4252	499536.3	3732539	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00

4253	499540.9	3732530	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
4254	499545.5	3732522	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
4255	499559.9	3732512	1.91E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
4256	499569.6	3732511	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
4257	499579.4	3732510	1.98E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
4258	499589.1	3732509	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
4259	499598.9	3732508	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.58E-05	0.00E+00	0.00E+00
4260	499608.6	3732507	2.09E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
4261	499618.3	3732506	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
4262	499628.1	3732505	2.17E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
4263	499637.8	3732504	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
4264	499647.6	3732503	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
4265	499657.3	3732502	2.29E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.37E-05	0.00E+00	0.00E+00
4266	499667	3732502	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
4267	499676.8	3732501	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
4268	499686.5	3732500	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
4269	499696.3	3732499	2.49E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
4270	499706	3732498	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
4271	499715.7	3732497	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
4272	499725.5	3732496	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
4273	499735.2	3732495	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.06E-05	8.67E-05	0.00E+00	0.00E+00
4274	499745	3732494	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
4275	499754.7	3732493	2.82E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
4276	499764.4	3732492	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
4277	499774.2	3732491	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.42E-05	9.44E-05	0.00E+00	0.00E+00
4278	499783.9	3732490	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4279	499793.7	3732489	3.07E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
4280	499803.4	3732488	3.13E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
4281	499813.1	3732487	3.20E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
4282	499822.9	3732486	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
4283	499832.6	3732485	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
4284	499842.3	3732484	3.41E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
4285	499852.1	3732484	3.49E-04	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
4286	499861.8	3732483	3.56E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.57E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
4287	499871.6	3732482	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
4288	499881.3	3732481	3.71E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
4289	499891	3732480	3.79E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
4290	499900.8	3732479	3.87E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
4291	499910.5	3732478	3.95E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
4292	499920.3	3732477	4.02E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
4293	499930	3732476	4.10E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
4294	499939.7	3732475	4.18E-04	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
4295	499949.5	3732474	4.26E-04	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
4296	499959.2	3732473	4.34E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
4297	499988.4	3732470	4.56E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
4298	499998.2	3732469	4.64E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
4299	500007.9	3732468	4.71E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
4300	500017.7	3732467	4.78E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
4301	500027.4	3732467	4.85E-04	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
4302	500037.1	3732466	4.92E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
4303	500046.9	3732465	4.98E-04	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.19E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
4304	499309.5	3732961	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
4305	499309.4	3732971	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
4306	499309.4	3732981	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
4307	499309.4	3732991	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
4308	499309.4	3733001	1.94E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
4309	499309.4	3733011	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
4310	499309.3	3733021	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
4311	499309.3	3733031	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
4312	499309.3	3733041	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
4313	499309.3	3733051	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
4314	499309.3	3733060	2.04E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
4315	499309.2	3733070	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
4316	499309.2	3733080	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
4317	499309.2	3733090	2.10E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4318	499309.2	3733100	2.11E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
4319	499309.2	3733110	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
4320	499309.1	3733120	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
4321	499309.1	3733130	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
4322	499309.1	3733140	2.19E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
4323	499309.1	3733150	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.09E-05	0.00E+00	0.00E+00
4324	499309	3733160	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.35E-05	7.16E-05	0.00E+00	0.00E+00
4325	499309	3733170	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
4326	499309	3733179	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
4327	499309	3733189	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
4328	499309	3733199	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
4329	499308.9	3733209	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
4330	499308.9	3733219	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
4331	499308.9	3733229	2.37E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
4332	499308.9	3733239	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
4333	499308.9	3733249	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.73E-05	0.00E+00	0.00E+00
4334	499308.8	3733259	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
4335	499308.8	3733269	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
4336	499308.8	3733279	2.47E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
4337	499274.1	3732953	1.72E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
4338	499278.7	3732944	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
4339	499283.3	3732935	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
4340	499287.9	3732927	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4341	499292.5	3732918	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.58E-05	0.00E+00	0.00E+00
4342	499297.2	3732910	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
4343	499301.8	3732901	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
4344	499306.4	3732892	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
4345	499311	3732884	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
4346	499315.6	3732875	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4347	499320.2	3732867	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4348	499408	3732703	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
4349	499412.6	3732695	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
4350	499417.2	3732686	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
4351	499421.8	3732677	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
4352	499458.7	3732609	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
4353	499463.4	3732600	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4354	499468	3732591	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4355	499472.6	3732583	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
4356	499477.2	3732574	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
4357	499481.8	3732566	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
4358	499486.4	3732557	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4359	499491.1	3732548	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4360	499495.7	3732540	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
4361	499500.3	3732531	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
4362	499504.9	3732523	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
4363	499509.5	3732514	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
4364	499514.1	3732505	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.58E-05	0.00E+00	0.00E+00

4365	499518.8	3732497	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4366	499523.4	3732488	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
4367	499537.7	3732479	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
4368	499547.4	3732478	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
4369	499557.1	3732477	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
4370	499566.8	3732476	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
4371	499576.6	3732475	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
4372	499586.3	3732474	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
4373	499596	3732473	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
4374	499605.7	3732472	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
4375	499615.4	3732471	2.02E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
4376	499625.1	3732470	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
4377	499634.8	3732469	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
4378	499644.6	3732468	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
4379	499654.3	3732467	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.96E-05	0.00E+00	0.00E+00
4380	499664	3732466	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
4381	499673.7	3732465	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
4382	499683.4	3732464	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
4383	499693.1	3732464	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
4384	499702.8	3732463	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
4385	499712.6	3732462	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
4386	499722.3	3732461	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
4387	499732	3732460	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.14E-05	0.00E+00	0.00E+00
4388	499741.7	3732459	2.59E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
4389	499751.4	3732458	2.64E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
4390	499761.1	3732457	2.69E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
4391	499770.8	3732456	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.14E-05	8.82E-05	0.00E+00	0.00E+00
4392	499780.5	3732455	2.80E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.00E-05	0.00E+00	0.00E+00
4393	499790.3	3732454	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
4394	499800	3732453	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
4395	499809.7	3732452	2.98E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
4396	499819.4	3732451	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
4397	499829.1	3732450	3.11E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.72E-04	0.00E+00	0.00E+00	4.68E-05	9.97E-05	0.00E+00	0.00E+00
4398	499838.8	3732449	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
4399	499848.5	3732448	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
4400	499858.3	3732448	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
4401	499868	3732447	3.37E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
4402	499877.7	3732446	3.43E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
4403	499887.4	3732445	3.50E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
4404	499897.1	3732444	3.57E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
4405	499906.8	3732443	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
4406	499916.5	3732442	3.71E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
4407	499926.3	3732441	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
4408	499965.1	3732437	4.05E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
4409	499974.8	3732436	4.12E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
4410	499984.5	3732435	4.19E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
4411	499994.3	3732434	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
4412	500004	3732433	4.32E-04	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.96E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
4413	500013.7	3732432	4.38E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
4414	500023.4	3732431	4.45E-04	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
4415	500033.1	3732431	4.51E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
4416	500042.8	3732430	4.57E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
4417	500052.5	3732429	4.63E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
4418	500062.3	3732428	4.68E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
4419	499269.5	3732961	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
4420	499269.4	3732971	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4421	499269.4	3732981	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
4422	499269.4	3732991	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.66E-05	0.00E+00	0.00E+00
4423	499269.4	3733001	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
4424	499269.4	3733011	1.79E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
4425	499269.3	3733021	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
4426	499269.3	3733031	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
4427	499269.3	3733041	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
4428	499269.3	3733050	1.85E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
4429	499269.3	3733060	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
4430	499269.2	3733070	1.88E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
4431	499269.2	3733080	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
4432	499269.2	3733090	1.92E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
4433	499269.2	3733100	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
4434	499269.2	3733110	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
4435	499269.1	3733120	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
4436	499269.1	3733130	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
4437	499269.1	3733140	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
4438	499269.1	3733150	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
4439	499269	3733160	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
4440	499269	3733169	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
4441	499269	3733179	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4442	499269	3733189	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
4443	499269	3733199	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4444	499268.9	3733209	2.11E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
4445	499268.9	3733219	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
4446	499268.9	3733229	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
4447	499268.9	3733239	2.17E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
4448	499268.9	3733249	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
4449	499268.8	3733259	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.31E-05	7.07E-05	0.00E+00	0.00E+00
4450	499268.8	3733269	2.22E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
4451	499268.8	3733279	2.24E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
4452	499234.2	3732952	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
4453	499238.8	3732944	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
4454	499243.5	3732935	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
4455	499248.2	3732926	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4456	499252.9	3732917	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.15E-05	0.00E+00	0.00E+00
4457	499257.6	3732909	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4458	499262.3	3732900	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
4459	499266.9	3732891	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
4460	499271.6	3732883	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
4461	499276.3	3732874	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
4462	499281	3732865	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
4463	499285.7	3732856	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4464	499416.8	3732612	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
4465	499421.5	3732603	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.28E-05	0.00E+00	0.00E+00
4466	499426.2	3732595	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
4467	499430.9	3732586	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
4468	499435.6	3732577	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
4469	499440.2	3732568	1.64E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
4470	499444.9	3732560	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
4471	499449.6	3732551	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
4472	499454.3	3732542	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
4473	499459	3732534	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4474	499463.7	3732525	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4475	499468.3	3732516	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
4476	499473	3732507	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00

4477	499477.7	3732499	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
4478	499482.4	3732490	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
4479	499487.1	3732481	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
4480	499491.8	3732472	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4481	499496.5	3732464	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.15E-05	0.00E+00	0.00E+00
4482	499501.1	3732455	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4483	499515.7	3732445	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4484	499525.5	3732444	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.49E-05	5.30E-05	0.00E+00	0.00E+00
4485	499535.4	3732443	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
4486	499545.2	3732442	1.71E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
4487	499555.1	3732442	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4488	499565	3732441	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
4489	499574.8	3732440	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
4490	499584.7	3732439	1.82E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
4491	499594.5	3732438	1.85E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
4492	499604.4	3732437	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
4493	499614.2	3732436	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
4494	499624.1	3732435	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.28E-05	0.00E+00	0.00E+00
4495	499633.9	3732434	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.39E-05	0.00E+00	0.00E+00
4496	499643.8	3732433	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
4497	499653.7	3732432	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4498	499663.5	3732431	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
4499	499673.4	3732430	2.14E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.22E-05	6.88E-05	0.00E+00	0.00E+00
4500	499683.2	3732429	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
4501	499693.1	3732428	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
4502	499702.9	3732427	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
4503	499712.8	3732426	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.42E-05	0.00E+00	0.00E+00
4504	499722.6	3732425	2.36E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
4505	499732.5	3732424	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
4506	499742.4	3732423	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
4507	499752.2	3732422	2.50E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
4508	499762.1	3732421	2.55E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
4509	499771.9	3732420	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
4510	499781.8	3732419	2.65E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
4511	499791.6	3732419	2.70E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
4512	499801.5	3732418	2.76E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
4513	499811.3	3732417	2.81E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.24E-05	9.03E-05	0.00E+00	0.00E+00
4514	499821.2	3732416	2.87E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
4515	499831.1	3732415	2.93E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.39E-04	0.00E+00	0.00E+00	4.41E-05	9.40E-05	0.00E+00	0.00E+00
4516	499840.9	3732414	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
4517	499850.8	3732413	3.04E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
4518	499860.6	3732412	3.10E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
4519	499870.5	3732411	3.16E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
4520	499880.3	3732410	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
4521	499890.2	3732409	3.29E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
4522	499900.1	3732408	3.35E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
4523	499939.5	3732404	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
4524	499949.3	3732403	3.66E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
4525	499959.2	3732402	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
4526	499969	3732401	3.79E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
4527	499978.9	3732400	3.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
4528	499988.8	3732399	3.91E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
4529	499998.6	3732398	3.97E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
4530	500008.5	3732397	4.03E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
4531	500018.3	3732396	4.09E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
4532	500028.2	3732396	4.14E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
4533	500038	3732395	4.20E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
4534	500047.9	3732394	4.25E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
4535	500057.7	3732393	4.31E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
4536	500067.6	3732392	4.36E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
4537	500077.5	3732391	4.41E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
4538	499229.5	3732961	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
4539	499229.4	3732971	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4540	499229.4	3732981	1.61E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
4541	499229.4	3732991	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
4542	499229.4	3733001	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
4543	499229.4	3733011	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
4544	499229.3	3733021	1.67E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
4545	499229.3	3733030	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
4546	499229.3	3733040	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
4547	499229.3	3733050	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
4548	499229.3	3733060	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
4549	499229.2	3733070	1.73E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
4550	499229.2	3733080	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
4551	499229.2	3733090	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
4552	499229.2	3733100	1.78E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
4553	499229.2	3733110	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.75E-05	0.00E+00	0.00E+00
4554	499229.1	3733120	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
4555	499229.1	3733130	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
4556	499229.1	3733140	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
4557	499229.1	3733150	1.85E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
4558	499229	3733159	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
4559	499229	3733169	1.87E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
4560	499229	3733179	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.07E-05	0.00E+00	0.00E+00
4561	499229	3733189	1.90E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
4562	499229	3733199	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
4563	499228.9	3733209	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
4564	499228.9	3733219	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
4565	499228.9	3733229	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
4566	499228.9	3733239	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
4567	499228.9	3733249	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
4568	499228.8	3733259	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
4569	499228.8	3733269	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
4570	499228.8	3733279	2.04E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
4571	499194.1	3732952	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
4572	499198.8	3732944	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
4573	499203.5	3732935	1.48E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.74E-04	0.00E+00	0.00E+00	2.23E-05	4.77E-05	0.00E+00	0.00E+00
4574	499208.1	3732926	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
4575	499212.8	3732917	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4576	499217.5	3732909	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4577	499222.2	3732900	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
4578	499226.8	3732891	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
4579	499231.5	3732883	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
4580	499236.2	3732874	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
4581	499240.8	3732865	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
4582	499245.5	3732857	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
4583	499250.2	3732848	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
4584	499254.8	3732839	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
4585	499338.9	3732683	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4586	499343.6	3732674	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4587	499348.2	3732665	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4588	499352.9	3732657	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00

4589	499357.6	3732648	1.53E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4590	499399.6	3732570	1.53E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
4591	499404.3	3732561	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
4592	499408.9	3732552	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
4593	499413.6	3732543	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
4594	499418.3	3732535	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
4595	499422.9	3732526	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
4596	499427.6	3732517	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
4597	499432.3	3732509	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
4598	499437	3732500	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
4599	499460.3	3732457	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
4600	499465	3732448	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
4601	499469.6	3732439	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
4602	499474.3	3732430	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4603	499479	3732422	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4604	499493.5	3732412	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
4605	499503.3	3732411	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
4606	499513.1	3732410	1.55E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
4607	499562.3	3732405	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
4608	499572.1	3732404	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
4609	499581.9	3732403	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
4610	499591.7	3732403	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4611	499601.6	3732402	1.80E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.77E-05	0.00E+00	0.00E+00
4612	499611.4	3732401	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
4613	499621.2	3732400	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
4614	499631	3732399	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
4615	499640.9	3732398	1.92E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
4616	499650.7	3732397	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
4617	499660.5	3732396	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
4618	499670.3	3732395	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.52E-05	0.00E+00	0.00E+00
4619	499680.2	3732394	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
4620	499690	3732393	2.10E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
4621	499699.8	3732392	2.14E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
4622	499709.6	3732391	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
4623	499719.5	3732390	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
4624	499729.3	3732389	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
4625	499739.1	3732388	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
4626	499748.9	3732387	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
4627	499758.8	3732386	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
4628	499768.6	3732385	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
4629	499778.4	3732384	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
4630	499788.2	3732383	2.54E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
4631	499798.1	3732382	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
4632	499807.9	3732381	2.63E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
4633	499817.7	3732381	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
4634	499827.5	3732380	2.74E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
4635	499837.4	3732379	2.79E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
4636	499847.2	3732378	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.28E-05	9.12E-05	0.00E+00	0.00E+00
4637	499857	3732377	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
4638	499866.8	3732376	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
4639	499876.7	3732375	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4640	499916	3732371	3.22E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
4641	499925.8	3732370	3.28E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
4642	499935.6	3732369	3.34E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.15E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
4643	499945.4	3732368	3.39E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
4644	499955.3	3732367	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
4645	499965.1	3732366	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
4646	499974.9	3732365	3.56E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
4647	499984.7	3732364	3.61E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
4648	499994.6	3732363	3.67E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
4649	500004.4	3732362	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
4650	500014.2	3732361	3.78E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
4651	500024.1	3732360	3.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
4652	500033.9	3732360	3.88E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
4653	500043.7	3732359	3.93E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
4654	500053.5	3732358	3.98E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
4655	500063.4	3732357	4.03E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
4656	500073.2	3732356	4.07E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
4657	500083	3732355	4.12E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
4658	500092.8	3732354	4.16E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
4659	499189.5	3732961	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
4660	499189.4	3732971	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
4661	499189.4	3732981	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
4662	499189.4	3732991	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
4663	499189.4	3733001	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
4664	499189.4	3733011	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
4665	499189.3	3733020	1.54E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
4666	499189.3	3733030	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
4667	499189.3	3733040	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
4668	499189.3	3733050	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
4669	499189.3	3733060	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
4670	499189.2	3733070	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
4671	499189.2	3733080	1.61E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
4672	499189.2	3733090	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
4673	499189.2	3733100	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
4674	499189.2	3733110	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.49E-05	5.30E-05	0.00E+00	0.00E+00
4675	499189.1	3733120	1.66E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
4676	499189.1	3733130	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
4677	499189.1	3733140	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
4678	499189.1	3733149	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.46E-05	0.00E+00	0.00E+00
4679	499189	3733159	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
4680	499189	3733169	1.73E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
4681	499189	3733179	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
4682	499189	3733189	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
4683	499189	3733199	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
4684	499188.9	3733209	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
4685	499188.9	3733219	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
4686	499188.9	3733229	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
4687	499188.9	3733239	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
4688	499188.9	3733249	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
4689	499188.8	3733259	1.84E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.77E-05	5.92E-05	0.00E+00	0.00E+00
4690	499188.8	3733269	1.86E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
4691	499188.8	3733278	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
4692	499154.1	3732952	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
4693	499158.8	3732944	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
4694	499163.4	3732935	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
4695	499168.1	3732926	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
4696	499172.8	3732918	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
4697	499177.4	3732909	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4698	499182.1	3732900	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.47E-05	0.00E+00	0.00E+00
4699	499186.7	3732891	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4700	499191.4	3732883	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00

4701	499196	3732874	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
4702	499200.7	3732865	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4703	499205.3	3732857	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4704	499210	3732848	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4705	499214.7	3732839	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4706	499219.3	3732831	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4707	499224	3732822	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
4708	499307.8	3732666	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4709	499312.5	3732657	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4710	499317.1	3732649	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4711	499321.8	3732640	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4712	499326.4	3732631	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4713	499331.1	3732623	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4714	499335.7	3732614	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4715	499340.4	3732605	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.60E-05	0.00E+00	0.00E+00
4716	499345.1	3732597	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4717	499349.7	3732588	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4718	499354.4	3732579	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4719	499359	3732571	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4720	499363.7	3732562	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
4721	499410.3	3732475	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
4722	499414.9	3732466	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4723	499419.6	3732458	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4724	499424.2	3732449	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4725	499428.9	3732440	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4726	499433.5	3732432	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
4727	499438.2	3732423	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
4728	499442.8	3732414	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4729	499447.5	3732406	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
4730	499452.2	3732397	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4731	499456.8	3732388	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4732	499471.3	3732379	1.41E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
4733	499481.1	3732378	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
4734	499490.9	3732377	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
4735	499500.7	3732376	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
4736	499510.5	3732375	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4737	499520.3	3732374	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
4738	499530.1	3732373	1.53E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
4739	499539.9	3732372	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.00E-05	0.00E+00	0.00E+00
4740	499549.7	3732371	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
4741	499559.5	3732370	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4742	499569.3	3732369	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
4743	499579.1	3732368	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
4744	499755.4	3732351	2.26E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.25E-05	0.00E+00	0.00E+00
4745	499765.2	3732350	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.39E-05	0.00E+00	0.00E+00
4746	499775	3732349	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
4747	499784.8	3732348	2.38E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
4748	499794.6	3732347	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
4749	499804.4	3732346	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
4750	499873	3732340	2.80E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.00E-05	0.00E+00	0.00E+00
4751	499882.8	3732339	2.85E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
4752	499892.6	3732338	2.90E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.32E-05	0.00E+00	0.00E+00
4753	499902.4	3732337	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
4754	499912.2	3732336	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
4755	499922	3732335	3.05E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.80E-05	0.00E+00	0.00E+00
4756	499931.8	3732334	3.10E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
4757	499941.6	3732333	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
4758	499951.4	3732332	3.20E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.91E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
4759	499961.2	3732331	3.25E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
4760	499971	3732330	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
4761	499980.8	3732329	3.35E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
4762	499990.6	3732328	3.40E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
4763	500000.4	3732327	3.45E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
4764	500010.2	3732326	3.50E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
4765	500020	3732325	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
4766	500029.8	3732324	3.60E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
4767	500039.6	3732324	3.64E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
4768	500049.4	3732323	3.69E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
4769	500059.2	3732322	3.73E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
4770	500069	3732321	3.77E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
4771	500078.8	3732320	3.82E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.23E-04	0.00E+00	0.00E+00
4772	500088.6	3732319	3.86E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
4773	500098.4	3732318	3.90E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
4774	500108.2	3732317	3.93E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
4775	499149.5	3732961	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
4776	499149.4	3732971	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
4777	499149.4	3732981	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4778	499149.4	3732991	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4779	499149.4	3733001	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
4780	499149.4	3733010	1.42E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.63E-04	0.00E+00	0.00E+00	2.14E-05	4.58E-05	0.00E+00	0.00E+00
4781	499149.3	3733020	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
4782	499149.3	3733030	1.45E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
4783	499149.3	3733040	1.46E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
4784	499149.3	3733050	1.47E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
4785	499149.3	3733060	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
4786	499149.2	3733070	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
4787	499149.2	3733080	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
4788	499149.2	3733090	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
4789	499149.2	3733100	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
4790	499149.2	3733110	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
4791	499149.1	3733120	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
4792	499149.1	3733130	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.98E-05	0.00E+00	0.00E+00
4793	499149.1	3733139	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
4794	499149.1	3733149	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
4795	499149	3733159	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
4796	499149	3733169	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
4797	499149	3733179	1.61E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
4798	499149	3733189	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
4799	499149	3733199	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
4800	499148.9	3733209	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
4801	499148.9	3733219	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
4802	499148.9	3733229	1.66E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.34E-05	0.00E+00	0.00E+00
4803	499148.9	3733239	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
4804	499148.9	3733249	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
4805	499148.8	3733259	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
4806	499148.8	3733268	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
4807	499148.8	3733278	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
4808	499114.1	3732952	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
4809	499118.8	3732943	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
4810	499123.4	3732935	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.15E-05	0.00E+00	0.00E+00
4811	499128	3732926	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
4812	499132.7	3732918	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00

4813	499137.3	3732909	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
4814	499142	3732900	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
4815	499146.6	3732892	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
4816	499151.3	3732883	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
4817	499155.9	3732874	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
4818	499160.6	3732866	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
4819	499165.2	3732857	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4820	499169.9	3732848	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4821	499174.5	3732840	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
4822	499179.2	3732831	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
4823	499183.8	3732822	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
4824	499188.4	3732814	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
4825	499276.7	3732649	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4826	499281.4	3732641	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4827	499286	3732632	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4828	499290.6	3732623	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4829	499295.3	3732615	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4830	499299.9	3732606	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4831	499304.6	3732597	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
4832	499309.2	3732589	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
4833	499313.9	3732580	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
4834	499318.5	3732571	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
4835	499323.2	3732563	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
4836	499327.8	3732554	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
4837	499332.5	3732545	1.34E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
4838	499337.1	3732537	1.34E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
4839	499341.7	3732528	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
4840	499346.4	3732519	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
4841	499351	3732511	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
4842	499355.7	3732502	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
4843	499406.8	3732407	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4844	499411.4	3732398	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
4845	499425.4	3732372	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
4846	499430	3732364	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
4847	499434.7	3732355	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
4848	499449.1	3732345	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
4849	499458.9	3732345	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.28E-05	0.00E+00	0.00E+00
4850	499468.6	3732344	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
4851	499478.4	3732343	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
4852	499488.2	3732342	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4853	499498	3732341	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
4854	499507.7	3732340	1.43E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4855	499517.5	3732339	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
4856	499527.3	3732338	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
4857	499537.1	3732337	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4858	499546.8	3732336	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
4859	499556.6	3732335	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
4860	499566.4	3732334	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
4861	499576.2	3732333	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
4862	499585.9	3732332	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
4863	499595.7	3732331	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
4864	499605.5	3732330	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
4865	499615.3	3732329	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
4866	499625	3732328	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
4867	499634.8	3732327	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
4868	499644.6	3732326	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
4869	499654.4	3732326	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
4870	499664.1	3732325	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
4871	499673.9	3732324	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
4872	499683.7	3732323	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
4873	499693.5	3732322	1.92E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
4874	499703.2	3732321	1.96E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
4875	499713	3732320	1.99E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
4876	499722.8	3732319	2.03E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
4877	499732.6	3732318	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
4878	499742.3	3732317	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
4879	499752.1	3732316	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
4880	499761.9	3732315	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
4881	499771.7	3732314	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.09E-05	0.00E+00	0.00E+00
4882	499781.4	3732313	2.25E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
4883	499791.2	3732312	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
4884	499801	3732311	2.33E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.48E-05	0.00E+00	0.00E+00
4885	499810.8	3732310	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
4886	499820.5	3732309	2.41E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
4887	499830.3	3732308	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
4888	499840.1	3732307	2.49E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.01E-05	0.00E+00	0.00E+00
4889	499849.9	3732307	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
4890	499859.6	3732306	2.58E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
4891	499869.4	3732305	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
4892	499879.2	3732304	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
4893	499889	3732303	2.71E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
4894	499898.7	3732302	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
4895	499908.5	3732301	2.80E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
4896	499918.3	3732300	2.85E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
4897	499928.1	3732299	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
4898	499937.8	3732298	2.94E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
4899	499947.6	3732297	2.99E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
4900	499957.4	3732296	3.03E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
4901	499967.2	3732295	3.08E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.89E-05	0.00E+00	0.00E+00
4902	499976.9	3732294	3.12E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
4903	499986.7	3732293	3.17E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
4904	499996.5	3732292	3.21E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
4905	500006.3	3732291	3.26E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
4906	500016	3732290	3.30E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
4907	500025.8	3732289	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
4908	500035.6	3732288	3.39E-04	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
4909	500045.4	3732288	3.43E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
4910	500055.1	3732287	3.47E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
4911	500064.9	3732286	3.51E-04	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
4912	500074.7	3732285	3.55E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
4913	500084.5	3732284	3.58E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
4914	500094.2	3732283	3.62E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
4915	500104	3732282	3.66E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
4916	500113.8	3732281	3.69E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
4917	500123.6	3732280	3.72E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
4918	499109.5	3732961	1.28E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
4919	499109.4	3732971	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
4920	499109.4	3732981	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
4921	499109.4	3732991	1.31E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
4922	499109.4	3733000	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
4923	499109.4	3733010	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
4924	499109.3	3733020	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00

4925	499109.3	3733030	1.35E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
4926	499109.3	3733040	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
4927	499109.3	3733050	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
4928	499109.3	3733060	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
4929	499109.2	3733070	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
4930	499109.2	3733080	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
4931	499109.2	3733090	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
4932	499109.2	3733100	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
4933	499109.2	3733110	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
4934	499109.1	3733120	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
4935	499109.1	3733129	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
4936	499109.1	3733139	1.45E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.66E-05	0.00E+00	0.00E+00
4937	499109.1	3733149	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
4938	499109	3733159	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
4939	499109	3733169	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
4940	499109	3733179	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
4941	499109	3733189	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
4942	499109	3733199	1.51E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
4943	499108.9	3733209	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
4944	499108.9	3733219	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
4945	499108.9	3733229	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
4946	499108.9	3733239	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.98E-05	0.00E+00	0.00E+00
4947	499108.9	3733249	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
4948	499108.8	3733258	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
4949	499108.8	3733268	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
4950	499108.8	3733278	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
4951	499074.1	3732952	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.87E-05	0.00E+00	0.00E+00
4952	499078.7	3732943	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
4953	499083.4	3732935	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
4954	499088	3732926	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
4955	499092.6	3732918	1.21E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
4956	499097.3	3732909	1.22E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
4957	499101.9	3732900	1.22E-04	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
4958	499106.6	3732892	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
4959	499111.2	3732883	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
4960	499115.8	3732874	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
4961	499120.5	3732866	1.22E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
4962	499125.1	3732857	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
4963	499129.7	3732848	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
4964	499134.4	3732840	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
4965	499139	3732831	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.96E-05	0.00E+00	0.00E+00
4966	499143.6	3732823	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
4967	499148.3	3732814	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
4968	499152.9	3732805	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
4969	499157.5	3732797	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
4970	499273.4	3732581	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.04E-05	0.00E+00	0.00E+00
4971	499278.1	3732572	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4972	499282.7	3732564	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4973	499287.3	3732555	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4974	499292	3732546	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
4975	499296.6	3732538	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4976	499301.2	3732529	1.26E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4977	499305.9	3732520	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4978	499310.5	3732512	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
4979	499315.2	3732503	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
4980	499426.9	3732312	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
4981	499436.6	3732311	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
4982	499446.4	3732310	1.26E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
4983	499456.2	3732309	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
4984	499465.9	3732308	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
4985	499475.7	3732307	1.32E-04	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
4986	499485.4	3732306	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
4987	499495.2	3732306	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
4988	499504.9	3732305	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
4989	499514.7	3732304	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
4990	499524.4	3732303	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
4991	499534.2	3732302	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
4992	499543.9	3732301	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
4993	499553.7	3732300	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
4994	499563.4	3732299	1.49E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
4995	499573.2	3732298	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
4996	499583	3732297	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
4997	499592.7	3732296	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
4998	499602.5	3732295	1.59E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
4999	499612.2	3732294	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
5000	499622	3732293	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
5001	499631.7	3732292	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
5002	499641.5	3732291	1.69E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
5003	499651.2	3732290	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
5004	499661	3732289	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
5005	499670.7	3732288	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
5006	499680.5	3732288	1.80E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
5007	499690.2	3732287	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
5008	499700	3732286	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
5009	499709.8	3732285	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
5010	499719.5	3732284	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5011	499729.3	3732283	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
5012	499739	3732282	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
5013	499748.8	3732281	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5014	499758.5	3732280	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.60E-05	0.00E+00	0.00E+00
5015	499768.3	3732279	2.09E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.71E-05	0.00E+00	0.00E+00
5016	499778	3732278	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
5017	499787.8	3732277	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
5018	499797.5	3732276	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
5019	499807.3	3732275	2.23E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
5020	499817.1	3732274	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
5021	499826.8	3732273	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.41E-05	0.00E+00	0.00E+00
5022	499836.6	3732272	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
5023	499846.3	3732271	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
5024	499856.1	3732270	2.43E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
5025	499865.8	3732270	2.47E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
5026	499875.6	3732269	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
5027	499885.3	3732268	2.55E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
5028	499895.1	3732267	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
5029	499904.8	3732266	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
5030	499914.6	3732265	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
5031	499924.3	3732264	2.71E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
5032	499934.1	3732263	2.75E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
5033	499943.9	3732262	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
5034	499953.6	3732261	2.83E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
5035	499963.4	3732260	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
5036	499973.1	3732259	2.92E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00

5037	499982.9	3732258	2.96E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
5038	499992.6	3732257	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.51E-05	9.63E-05	0.00E+00	0.00E+00
5039	500002.4	3732256	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.76E-05	0.00E+00	0.00E+00
5040	500012.1	3732255	3.08E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
5041	500021.9	3732254	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
5042	500031.6	3732253	3.16E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
5043	500041.4	3732252	3.20E-04	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
5044	500051.2	3732252	3.23E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
5045	500060.9	3732251	3.27E-04	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
5046	500070.7	3732250	3.31E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.09E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
5047	500080.4	3732249	3.34E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
5048	500090.2	3732248	3.38E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
5049	500099.9	3732247	3.41E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
5050	500109.7	3732246	3.44E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
5051	500119.4	3732245	3.47E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
5052	500129.2	3732244	3.50E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.27E-05	1.13E-04	0.00E+00	0.00E+00
5053	500138.9	3732243	3.53E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
5054	499068.8	3733268	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
5055	499068.8	3733278	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5056	499034.2	3732952	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
5057	499038.8	3732943	1.14E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
5058	499043.5	3732934	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
5059	499048.2	3732926	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.66E-05	0.00E+00	0.00E+00
5060	499052.9	3732917	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
5061	499057.6	3732908	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
5062	499062.3	3732900	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
5063	499067	3732891	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
5064	499071.6	3732882	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
5065	499076.3	3732873	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
5066	499081	3732865	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
5067	499085.7	3732856	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
5068	499090.4	3732847	1.15E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
5069	499095.1	3732838	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
5070	499099.8	3732830	1.16E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
5071	499104.4	3732821	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
5072	499109.1	3732812	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5073	499113.8	3732804	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5074	499118.5	3732795	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
5075	499123.2	3732786	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
5076	499127.9	3732777	1.17E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
5077	499273.1	3732507	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
5078	499277.8	3732498	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
5079	499424.5	3732277	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
5080	499434.4	3732276	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
5081	499444.3	3732275	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
5082	499454.1	3732274	1.23E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
5083	499464	3732273	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
5084	499473.8	3732272	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
5085	499483.7	3732271	1.28E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
5086	499493.6	3732270	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
5087	499503.4	3732269	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
5088	499513.3	3732268	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
5089	499523.1	3732267	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
5090	499533	3732266	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5091	499542.9	3732265	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
5092	499552.7	3732265	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
5093	499562.6	3732264	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
5094	499572.4	3732263	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
5095	499582.3	3732262	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5096	499592.2	3732261	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
5097	499602	3732260	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
5098	499611.9	3732259	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
5099	499621.7	3732258	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5100	499631.6	3732257	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
5101	499641.5	3732256	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
5102	499651.3	3732255	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
5103	499661.2	3732254	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
5104	499671	3732253	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
5105	499680.9	3732252	1.72E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
5106	499690.8	3732251	1.75E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
5107	499700.6	3732250	1.78E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
5108	499710.5	3732249	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
5109	499720.3	3732248	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
5110	499730.2	3732247	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
5111	499740.1	3732246	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
5112	499749.9	3732245	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
5113	499759.8	3732244	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
5114	499769.6	3732243	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
5115	499779.5	3732242	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
5116	499789.4	3732242	2.06E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
5117	499799.2	3732241	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
5118	499809.1	3732240	2.13E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.84E-05	0.00E+00	0.00E+00
5119	499818.9	3732239	2.16E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
5120	499828.8	3732238	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
5121	499838.7	3732237	2.23E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.18E-05	0.00E+00	0.00E+00
5122	499848.5	3732236	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
5123	499858.4	3732235	2.31E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
5124	499868.2	3732234	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
5125	499878.1	3732233	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
5126	499888	3732232	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5127	499897.8	3732231	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
5128	499907.7	3732230	2.49E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.01E-05	0.00E+00	0.00E+00
5129	499917.5	3732229	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
5130	499927.4	3732228	2.57E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
5131	499937.3	3732227	2.61E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
5132	499947.1	3732226	2.65E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.98E-05	8.50E-05	0.00E+00	0.00E+00
5133	499957	3732225	2.68E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
5134	499966.8	3732224	2.72E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
5135	499976.7	3732223	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
5136	499986.6	3732222	2.80E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
5137	499996.4	3732221	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
5138	500006.3	3732220	2.87E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
5139	500016.1	3732219	2.91E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
5140	500026	3732219	2.95E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
5141	500035.9	3732218	2.98E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
5142	500045.7	3732217	3.02E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
5143	500055.6	3732216	3.05E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
5144	500065.4	3732215	3.09E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
5145	500075.3	3732214	3.12E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
5146	500085.2	3732213	3.15E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
5147	500095	3732212	3.18E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
5148	500104.9	3732211	3.21E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00

5149	500114.7	3732210	3.25E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
5150	500124.6	3732209	3.27E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
5151	500134.5	3732208	3.30E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
5152	500144.3	3732207	3.33E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
5153	500154.2	3732206	3.36E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
5154	499028.8	3733268	1.37E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
5155	499028.8	3733278	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
5156	498994.1	3732952	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
5157	498998.8	3732943	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
5158	499003.5	3732934	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
5159	499008.2	3732926	1.07E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
5160	499012.8	3732917	1.07E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
5161	499017.5	3732908	1.08E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
5162	499022.2	3732900	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
5163	499026.9	3732891	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
5164	499031.5	3732882	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
5165	499036.2	3732873	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
5166	499040.9	3732865	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5167	499045.6	3732856	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5168	499050.2	3732847	1.09E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
5169	499054.9	3732839	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
5170	499059.6	3732830	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
5171	499064.3	3732821	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
5172	499068.9	3732813	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.51E-05	0.00E+00	0.00E+00
5173	499073.6	3732804	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
5174	499078.3	3732795	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
5175	499083	3732786	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
5176	499087.6	3732778	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
5177	499092.3	3732769	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
5178	499422	3732242	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
5179	499431.8	3732241	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.72E-05	0.00E+00	0.00E+00
5180	499441.6	3732240	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
5181	499451.5	3732239	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
5182	499461.3	3732238	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
5183	499471.2	3732237	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
5184	499481	3732236	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
5185	499490.8	3732235	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
5186	499500.7	3732234	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5187	499510.5	3732233	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
5188	499520.3	3732232	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5189	499530.2	3732231	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
5190	499540	3732230	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
5191	499549.8	3732229	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.05E-05	4.36E-05	0.00E+00	0.00E+00
5192	499559.7	3732228	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5193	499569.5	3732227	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
5194	499579.4	3732226	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
5195	499589.2	3732226	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.62E-05	0.00E+00	0.00E+00
5196	499599	3732225	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
5197	499608.9	3732224	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5198	499618.7	3732223	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
5199	499628.5	3732222	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
5200	499638.4	3732221	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
5201	499648.2	3732220	1.57E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.04E-05	0.00E+00	0.00E+00
5202	499658	3732219	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
5203	499667.9	3732218	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
5204	499677.7	3732217	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
5205	499687.6	3732216	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
5206	499697.4	3732215	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
5207	499707.2	3732214	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
5208	499717.1	3732213	1.75E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
5209	499726.9	3732212	1.78E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.27E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
5210	499736.7	3732211	1.80E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
5211	499746.6	3732210	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
5212	499756.4	3732209	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
5213	499766.3	3732208	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
5214	499776.1	3732207	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5215	499785.9	3732206	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
5216	499795.8	3732205	1.98E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
5217	499805.6	3732204	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
5218	499815.4	3732204	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
5219	499825.3	3732203	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
5220	499835.1	3732202	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
5221	499844.9	3732201	2.14E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
5222	499854.8	3732200	2.18E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
5223	499864.6	3732199	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
5224	499874.5	3732198	2.24E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
5225	499884.3	3732197	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
5226	499894.1	3732196	2.31E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
5227	499904	3732195	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.54E-05	0.00E+00	0.00E+00
5228	499913.8	3732194	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
5229	499923.6	3732193	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.76E-05	0.00E+00	0.00E+00
5230	499933.5	3732192	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
5231	499943.3	3732191	2.49E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.99E-05	0.00E+00	0.00E+00
5232	499953.1	3732190	2.52E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
5233	499963	3732189	2.56E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
5234	499972.8	3732188	2.59E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
5235	499982.7	3732187	2.63E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
5236	499992.5	3732186	2.66E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
5237	500002.3	3732185	2.69E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.65E-05	0.00E+00	0.00E+00
5238	500012.2	3732184	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
5239	500022	3732183	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
5240	500031.8	3732182	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
5241	500041.7	3732182	2.83E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
5242	500051.5	3732181	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.18E-05	0.00E+00	0.00E+00
5243	500061.3	3732180	2.89E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
5244	500071.2	3732179	2.92E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
5245	500081	3732178	2.95E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
5246	498988.8	3733268	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
5247	498988.8	3733278	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
5248	498954.1	3732952	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
5249	498958.8	3732943	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
5250	498963.5	3732934	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
5251	498968.1	3732926	1.01E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
5252	498972.8	3732917	1.01E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
5253	498977.5	3732908	1.02E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
5254	498982.1	3732900	1.02E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
5255	498986.8	3732891	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
5256	498991.4	3732882	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
5257	498996.1	3732874	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
5258	499000.8	3732865	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
5259	499005.4	3732856	1.02E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
5260	499010.1	3732848	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00

5261	499014.8	3732839	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
5262	499019.4	3732830	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
5263	499024.1	3732821	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
5264	499028.8	3732813	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5265	499033.4	3732804	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5266	499038.1	3732795	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
5267	499042.8	3732787	1.03E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
5268	499047.4	3732778	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
5269	499052.1	3732769	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
5270	499056.8	3732761	1.04E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
5271	499061.4	3732752	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.56E-05	3.34E-05	0.00E+00	0.00E+00
5272	499210.7	3732474	1.06E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
5273	499215.3	3732465	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
5274	499220	3732457	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
5275	499224.7	3732448	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
5276	499229.3	3732439	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
5277	499234	3732430	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
5278	499409.5	3732208	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.51E-05	0.00E+00	0.00E+00
5279	499419.3	3732207	1.11E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
5280	499429.1	3732206	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
5281	499439	3732205	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.64E-05	0.00E+00	0.00E+00
5282	499448.8	3732204	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
5283	499458.6	3732203	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5284	499468.4	3732202	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
5285	499478.2	3732201	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
5286	499488	3732200	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.87E-05	0.00E+00	0.00E+00
5287	499497.8	3732199	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
5288	499507.7	3732198	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
5289	499517.5	3732197	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
5290	499527.3	3732196	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5291	499537.1	3732195	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
5292	499546.9	3732194	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5293	499556.7	3732193	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
5294	499566.6	3732192	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
5295	499576.4	3732191	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
5296	499586.2	3732190	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
5297	499596	3732189	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
5298	499605.8	3732188	1.42E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.14E-05	4.55E-05	0.00E+00	0.00E+00
5299	499615.6	3732187	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
5300	499625.4	3732187	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
5301	499635.3	3732186	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
5302	499645.1	3732185	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
5303	499654.9	3732184	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
5304	499664.7	3732183	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
5305	499674.5	3732182	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5306	499684.3	3732181	1.59E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
5307	499694.2	3732180	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
5308	499704	3732179	1.64E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
5309	500165.3	3732134	3.00E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.63E-05	0.00E+00	0.00E+00
5310	500175.1	3732133	3.02E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
5311	500184.9	3732132	3.04E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
5312	498948.8	3733268	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
5313	498948.8	3733278	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
5314	498918.4	3732952	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5315	498923.1	3732943	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5316	498927.8	3732934	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5317	498932.5	3732925	9.63E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5318	498937.2	3732917	9.65E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
5319	498941.9	3732908	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
5320	498946.6	3732899	9.67E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
5321	498951.2	3732891	9.68E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
5322	498955.9	3732882	9.70E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
5323	498960.6	3732873	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
5324	498965.3	3732864	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
5325	498970	3732856	9.74E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5326	498974.7	3732847	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5327	498979.4	3732838	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
5328	498984	3732829	9.78E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
5329	498988.7	3732821	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
5330	498993.4	3732812	9.80E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
5331	498998.1	3732803	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
5332	499002.8	3732795	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5333	499007.5	3732786	9.84E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5334	499012.2	3732777	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5335	499016.8	3732768	9.86E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.17E-05	0.00E+00	0.00E+00
5336	499021.5	3732760	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
5337	499026.2	3732751	9.89E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
5338	499030.9	3732742	9.90E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
5339	499119.9	3732576	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5340	499124.6	3732568	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5341	499129.3	3732559	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5342	499134	3732550	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5343	499138.7	3732541	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5344	499171.5	3732480	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5345	499176.2	3732472	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
5346	499180.9	3732463	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5347	499185.6	3732454	1.01E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5348	499190.2	3732445	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5349	499194.9	3732437	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
5350	499199.6	3732428	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
5351	499823.9	3732136	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
5352	499833.7	3732135	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5353	499843.6	3732134	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.94E-05	6.26E-05	0.00E+00	0.00E+00
5354	499853.4	3732133	1.98E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
5355	499863.3	3732132	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
5356	499873.2	3732131	2.04E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.07E-05	6.54E-05	0.00E+00	0.00E+00
5357	499883	3732130	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
5358	499892.9	3732129	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
5359	499902.7	3732128	2.12E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
5360	499912.6	3732127	2.15E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
5361	499922.5	3732126	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
5362	499932.3	3732125	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
5363	499942.2	3732124	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
5364	499952	3732123	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
5365	499961.9	3732122	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
5366	499971.8	3732121	2.33E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
5367	499981.6	3732120	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.56E-05	7.58E-05	0.00E+00	0.00E+00
5368	499991.5	3732119	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
5369	500001.4	3732118	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5370	500011.2	3732117	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
5371	500021.1	3732116	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
5372	500030.9	3732115	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00

5373	500040.8	3732115	2.53E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
5374	500050.7	3732114	2.56E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
5375	500060.5	3732113	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
5376	500070.4	3732112	2.62E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.82E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
5377	500080.2	3732111	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
5378	500090.1	3732110	2.67E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
5379	500100	3732109	2.70E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
5380	500109.8	3732108	2.72E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
5381	500119.7	3732107	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
5382	500129.5	3732106	2.77E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
5383	500139.4	3732105	2.79E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
5384	500149.3	3732104	2.81E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
5385	500159.1	3732103	2.84E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
5386	500169	3732102	2.86E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
5387	500178.8	3732101	2.88E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
5388	500188.7	3732100	2.90E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
5389	498913.1	3733268	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
5390	498913.1	3733278	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
5391	498882.7	3732952	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5392	498887.4	3732943	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5393	498892	3732934	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5394	498896.7	3732926	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5395	498901.3	3732917	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5396	498906	3732908	9.21E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5397	498910.6	3732900	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5398	498915.3	3732891	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5399	498919.9	3732882	9.24E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
5400	498924.6	3732874	9.25E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
5401	498929.3	3732865	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.98E-05	0.00E+00	0.00E+00
5402	498933.9	3732856	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
5403	498938.6	3732848	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
5404	498943.2	3732839	9.30E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5405	498947.9	3732830	9.31E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5406	498952.5	3732822	9.33E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5407	498957.2	3732813	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
5408	498961.8	3732804	9.35E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
5409	498966.5	3732796	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
5410	498971.2	3732787	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
5411	498975.8	3732778	9.38E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
5412	498980.5	3732770	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
5413	498985.1	3732761	9.40E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
5414	498989.8	3732752	9.41E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
5415	498994.4	3732744	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
5416	498999.1	3732735	9.44E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
5417	499003.7	3732726	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
5418	499087.6	3732570	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5419	499092.2	3732561	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5420	499096.9	3732553	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5421	499101.5	3732544	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5422	499106.2	3732535	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5423	499110.8	3732527	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5424	499115.5	3732518	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5425	499120.1	3732509	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5426	499124.8	3732501	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5427	499129.5	3732492	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5428	499138.8	3732475	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
5429	499143.4	3732466	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5430	499148.1	3732457	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5431	499152.7	3732449	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5432	499157.4	3732440	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
5433	499162	3732431	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
5434	499507	3732135	1.16E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
5435	499516.8	3732134	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.79E-05	0.00E+00	0.00E+00
5436	499526.6	3732133	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
5437	499536.4	3732132	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
5438	499546.2	3732131	1.22E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
5439	499555.9	3732130	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
5440	499565.7	3732129	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
5441	499575.5	3732128	1.27E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
5442	499585.3	3732127	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.15E-05	0.00E+00	0.00E+00
5443	499595.1	3732126	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
5444	499604.9	3732125	1.33E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
5445	499614.7	3732124	1.34E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
5446	499624.5	3732123	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
5447	499634.3	3732122	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
5448	499644.1	3732121	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
5449	499653.9	3732120	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
5450	499663.7	3732120	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
5451	499673.5	3732119	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
5452	499683.3	3732118	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
5453	499693.1	3732117	1.50E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
5454	499702.9	3732116	1.52E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
5455	499712.7	3732115	1.55E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.96E-05	0.00E+00	0.00E+00
5456	499722.5	3732114	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5457	499732.3	3732113	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
5458	499742.1	3732112	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
5459	499751.9	3732111	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
5460	499761.7	3732110	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
5461	499771.5	3732109	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
5462	499781.3	3732108	1.71E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
5463	499791.1	3732107	1.73E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
5464	499800.9	3732106	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
5465	499810.7	3732105	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
5466	499820.5	3732104	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
5467	499830.3	3732103	1.83E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
5468	499840.1	3732102	1.86E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
5469	499849.9	3732101	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
5470	499859.6	3732100	1.91E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
5471	499869.4	3732100	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
5472	499879.2	3732099	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
5473	499889	3732098	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
5474	499898.8	3732097	2.02E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5475	499908.6	3732096	2.05E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.08E-05	6.58E-05	0.00E+00	0.00E+00
5476	499918.4	3732095	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
5477	499928.2	3732094	2.10E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
5478	499938	3732093	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
5479	499947.8	3732092	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
5480	499957.6	3732091	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
5481	499967.4	3732090	2.21E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
5482	499977.2	3732089	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
5483	499987	3732088	2.27E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
5484	499996.8	3732087	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00

5485	500006.6	3732086	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
5486	500016.4	3732085	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.54E-05	0.00E+00	0.00E+00
5487	500026.2	3732084	2.38E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.63E-05	0.00E+00	0.00E+00
5488	500036	3732083	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
5489	500045.8	3732082	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
5490	500055.6	3732081	2.45E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
5491	500065.4	3732080	2.48E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
5492	500075.2	3732080	2.50E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
5493	500085	3732079	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
5494	500094.8	3732078	2.55E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
5495	500104.6	3732077	2.58E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
5496	500114.4	3732076	2.60E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.35E-05	0.00E+00	0.00E+00
5497	500124.2	3732075	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
5498	500134	3732074	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
5499	500143.8	3732073	2.67E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.56E-05	0.00E+00	0.00E+00
5500	500153.6	3732072	2.69E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
5501	500163.3	3732071	2.71E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
5502	500173.1	3732070	2.73E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.10E-05	8.76E-05	0.00E+00	0.00E+00
5503	500182.9	3732069	2.75E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.82E-05	0.00E+00	0.00E+00
5504	500192.7	3732068	2.76E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
5505	498877.4	3733268	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
5506	498877.4	3733278	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5507	498847	3732952	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5508	498851.7	3732943	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5509	498856.4	3732934	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5510	498861	3732925	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5511	498865.7	3732917	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5512	498870.4	3732908	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5513	498875.1	3732899	8.80E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.83E-05	0.00E+00	0.00E+00
5514	498879.7	3732891	8.81E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
5515	498884.4	3732882	8.82E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
5516	498889.1	3732873	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5517	498893.8	3732864	8.84E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5518	498898.4	3732856	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5519	498903.1	3732847	8.86E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
5520	498907.8	3732838	8.87E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
5521	498912.5	3732830	8.88E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
5522	498917.1	3732821	8.90E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5523	498921.8	3732812	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5524	498926.5	3732803	8.92E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5525	498931.2	3732795	8.93E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	1.65E-04	0.00E+00	0.00E+00	1.34E-05	2.87E-05	0.00E+00	0.00E+00
5526	498935.8	3732786	8.94E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
5527	498940.5	3732777	8.95E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
5528	498945.2	3732769	8.96E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5529	498949.9	3732760	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5530	498954.6	3732751	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5531	498959.2	3732742	8.99E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.89E-05	0.00E+00	0.00E+00
5532	498963.9	3732734	9.00E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
5533	498968.6	3732725	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
5534	498973.3	3732716	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
5535	499062.1	3732551	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5536	499066.8	3732542	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5537	499071.5	3732533	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5538	499076.1	3732525	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5539	499080.8	3732516	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5540	499085.5	3732507	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5541	499090.2	3732499	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5542	499094.8	3732490	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5543	499099.5	3732481	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5544	499104.2	3732472	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5545	499108.9	3732464	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5546	499113.5	3732455	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5547	499118.2	3732446	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5548	499122.9	3732438	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5549	499127.6	3732429	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5550	499132.2	3732420	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
5551	499136.9	3732412	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5552	499141.6	3732403	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5553	499146.3	3732394	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5554	499286.6	3732133	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5555	499301.1	3732123	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
5556	499310.9	3732122	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
5557	499320.8	3732121	9.10E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
5558	499330.6	3732120	9.20E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
5559	499340.4	3732119	9.30E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
5560	499350.3	3732118	9.40E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
5561	499497.9	3732104	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
5562	499507.7	3732103	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
5563	499517.5	3732102	1.15E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
5564	499527.4	3732101	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5565	499537.2	3732100	1.17E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
5566	499547.1	3732099	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
5567	499556.9	3732098	1.21E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
5568	499566.7	3732097	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
5569	499576.6	3732096	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
5570	499586.4	3732095	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
5571	499596.3	3732094	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5572	499606.1	3732093	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
5573	499615.9	3732093	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5574	499625.8	3732092	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
5575	499635.6	3732091	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
5576	499645.5	3732090	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
5577	499655.3	3732089	1.38E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5578	499665.1	3732088	1.40E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
5579	499675	3732087	1.41E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
5580	499684.8	3732086	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
5581	499694.7	3732085	1.45E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
5582	499704.5	3732084	1.47E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
5583	499714.3	3732083	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
5584	499724.2	3732082	1.52E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
5585	499734	3732081	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
5586	499743.9	3732080	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
5587	499753.7	3732079	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
5588	499763.5	3732078	1.60E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.96E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
5589	499773.4	3732077	1.63E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
5590	499783.2	3732076	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
5591	499793.1	3732075	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
5592	499802.9	3732074	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
5593	499812.7	3732073	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
5594	499822.6	3732072	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
5595	499832.4	3732071	1.77E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
5596	499842.2	3732071	1.79E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00

5597	499852.1	3732070	1.82E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.83E-05	0.00E+00	0.00E+00
5598	499861.9	3732069	1.84E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
5599	499871.8	3732068	1.87E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
5600	499881.6	3732067	1.89E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
5601	499891.4	3732066	1.92E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
5602	499901.3	3732065	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
5603	499911.1	3732064	1.97E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
5604	499921	3732063	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
5605	499930.8	3732062	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5606	499940.6	3732061	2.05E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
5607	499950.5	3732060	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
5608	499960.3	3732059	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
5609	499970.2	3732058	2.12E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
5610	499980	3732057	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
5611	499989.8	3732056	2.17E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
5612	499999.7	3732055	2.20E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
5613	500009.5	3732054	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
5614	500019.4	3732053	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.22E-05	0.00E+00	0.00E+00
5615	500029.2	3732052	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
5616	500039	3732051	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
5617	500048.9	3732050	2.32E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
5618	500058.7	3732049	2.35E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
5619	500068.6	3732049	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
5620	500078.4	3732048	2.39E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
5621	500088.2	3732047	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5622	500098.1	3732046	2.44E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.84E-05	0.00E+00	0.00E+00
5623	500107.9	3732045	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
5624	500117.8	3732044	2.48E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
5625	500127.6	3732043	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
5626	500137.4	3732042	2.53E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
5627	500147.3	3732041	2.55E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
5628	500157.1	3732040	2.57E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
5629	500167	3732039	2.59E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
5630	500176.8	3732038	2.60E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
5631	500186.6	3732037	2.62E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
5632	500196.5	3732036	2.64E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
5633	498841.7	3733268	1.02E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
5634	498841.7	3733278	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5635	498811.3	3732951	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5636	498815.9	3732943	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5637	498820.6	3732934	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5638	498825.2	3732926	8.38E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5639	498829.9	3732917	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5640	498834.5	3732908	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5641	498839.1	3732900	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5642	498843.8	3732891	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5643	498848.4	3732882	8.43E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5644	498853.1	3732874	8.44E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5645	498857.7	3732865	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5646	498862.4	3732856	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
5647	498867	3732848	8.47E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
5648	498871.7	3732839	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
5649	498876.3	3732830	8.49E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5650	498881	3732822	8.50E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5651	498885.6	3732813	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5652	498890.3	3732804	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
5653	498894.9	3732796	8.53E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
5654	498899.6	3732787	8.54E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	1.57E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
5655	498904.2	3732778	8.55E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5656	498908.9	3732770	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5657	498913.5	3732761	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5658	498918.2	3732752	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
5659	498922.8	3732744	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
5660	498927.5	3732735	8.60E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
5661	498932.1	3732726	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.76E-05	0.00E+00	0.00E+00
5662	498936.8	3732718	8.62E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
5663	498941.4	3732709	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
5664	498946.1	3732700	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
5665	498950.7	3732692	8.64E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5666	498955.4	3732683	8.65E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5667	498960	3732674	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5668	498964.7	3732666	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.78E-05	0.00E+00	0.00E+00
5669	498969.3	3732657	8.68E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5670	498973.9	3732648	8.69E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5671	498978.6	3732640	8.70E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5672	498983.2	3732631	8.70E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5673	498987.9	3732622	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5674	498992.5	3732614	8.72E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5675	498997.2	3732605	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5676	499001.8	3732597	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5677	499006.5	3732588	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5678	499011.1	3732579	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5679	499015.8	3732571	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5680	499020.4	3732562	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5681	499029.7	3732545	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5682	499034.4	3732536	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5683	499039	3732527	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5684	499043.7	3732519	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5685	499048.3	3732510	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5686	499053	3732501	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5687	499057.6	3732493	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5688	499062.3	3732484	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5689	499066.9	3732475	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5690	499071.6	3732467	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5691	499076.2	3732458	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5692	499080.9	3732449	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5693	499085.5	3732441	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5694	499090.2	3732432	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5695	499094.8	3732423	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5696	499099.5	3732415	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5697	499104.1	3732406	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5698	499108.8	3732397	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5699	499113.4	3732389	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5700	499118	3732380	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5701	499122.7	3732371	8.76E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5702	499127.3	3732363	8.76E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5703	499132	3732354	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5704	499136.6	3732345	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5705	499141.3	3732337	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5706	499145.9	3732328	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
5707	499252.8	3732129	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
5708	499257.5	3732120	8.47E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00

5709	499262.1	3732112	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
5710	499266.8	3732103	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
5711	499281.2	3732093	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
5712	499291	3732092	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.76E-05	0.00E+00	0.00E+00
5713	499300.8	3732091	8.70E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
5714	499310.6	3732091	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
5715	499320.3	3732090	8.88E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
5716	499330.1	3732089	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
5717	499339.9	3732088	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
5718	499349.7	3732087	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
5719	499486.6	3732073	1.07E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
5720	499496.4	3732072	1.08E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
5721	499506.2	3732072	1.10E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
5722	499516	3732071	1.11E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
5723	499525.7	3732070	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
5724	499535.5	3732069	1.14E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.66E-05	0.00E+00	0.00E+00
5725	499545.3	3732068	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
5726	499555.1	3732067	1.17E-04	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
5727	499564.9	3732066	1.18E-04	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
5728	499574.6	3732065	1.20E-04	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
5729	499584.4	3732064	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
5730	499594.2	3732063	1.23E-04	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
5731	499604	3732062	1.24E-04	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
5732	499613.8	3732061	1.26E-04	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.04E-05	0.00E+00	0.00E+00
5733	499623.6	3732060	1.28E-04	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
5734	499633.3	3732059	1.29E-04	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
5735	499643.1	3732058	1.31E-04	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
5736	499652.9	3732057	1.33E-04	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
5737	499662.7	3732056	1.35E-04	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.32E-05	0.00E+00	0.00E+00
5738	499672.5	3732055	1.36E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
5739	499682.2	3732054	1.38E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
5740	499692	3732053	1.40E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
5741	499701.8	3732053	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
5742	499711.6	3732052	1.44E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
5743	499721.4	3732051	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
5744	499731.1	3732050	1.48E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
5745	499740.9	3732049	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
5746	499750.7	3732048	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
5747	499760.5	3732047	1.54E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
5748	499770.3	3732046	1.56E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
5749	499780	3732045	1.58E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
5750	499789.8	3732044	1.60E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
5751	499799.6	3732043	1.62E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
5752	499809.4	3732042	1.65E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
5753	499819.2	3732041	1.67E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
5754	499829	3732040	1.69E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
5755	499838.7	3732039	1.71E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
5756	499848.5	3732038	1.74E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
5757	499858.3	3732037	1.76E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
5758	499868.1	3732036	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
5759	499877.9	3732035	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
5760	499887.6	3732034	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
5761	499897.4	3732034	1.85E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
5762	499907.2	3732033	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
5763	499917	3732032	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
5764	499926.8	3732031	1.93E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
5765	499936.5	3732030	1.95E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
5766	499946.3	3732029	1.97E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
5767	499956.1	3732028	2.00E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
5768	499965.9	3732027	2.02E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
5769	499975.7	3732026	2.04E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
5770	499985.4	3732025	2.07E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
5771	499995.2	3732024	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
5772	500005	3732023	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.79E-05	0.00E+00	0.00E+00
5773	500014.8	3732022	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
5774	500024.6	3732021	2.16E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.94E-05	0.00E+00	0.00E+00
5775	500034.3	3732020	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
5776	500044.1	3732019	2.21E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
5777	500053.9	3732018	2.23E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
5778	500063.7	3732017	2.25E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.24E-05	0.00E+00	0.00E+00
5779	500073.5	3732016	2.28E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.19E-04	0.00E+00	0.00E+00	3.43E-05	7.31E-05	0.00E+00	0.00E+00
5780	500083.3	3732015	2.30E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
5781	500093	3732014	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
5782	500102.8	3732014	2.34E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
5783	500112.6	3732013	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
5784	500122.4	3732012	2.38E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
5785	500132.2	3732011	2.40E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
5786	500141.9	3732010	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
5787	500151.7	3732009	2.44E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
5788	500161.5	3732008	2.46E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
5789	500171.3	3732007	2.47E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
5790	500181.1	3732006	2.49E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
5791	500190.8	3732005	2.51E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
5792	500200.6	3732004	2.52E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
5793	500210.4	3732003	2.54E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.16E-05	0.00E+00	0.00E+00
5794	500220.2	3732002	2.56E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
5795	498806	3733268	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5796	498805.9	3733278	9.80E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-05	1.81E-04	0.00E+00	0.00E+00	1.47E-05	3.15E-05	0.00E+00	0.00E+00
5797	498775.6	3732951	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
5798	498780.2	3732943	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
5799	498784.9	3732934	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
5800	498789.6	3732925	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
5801	498794.2	3732917	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
5802	498798.9	3732908	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
5803	498803.6	3732899	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
5804	498808.2	3732891	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
5805	498812.9	3732882	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
5806	498817.6	3732873	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
5807	498822.2	3732864	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5808	498826.9	3732856	8.10E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5809	498831.6	3732847	8.11E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5810	498836.2	3732838	8.11E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5811	498840.9	3732830	8.12E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5812	498845.6	3732821	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5813	498850.2	3732812	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.61E-05	0.00E+00	0.00E+00
5814	498854.9	3732804	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5815	498859.6	3732795	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5816	498864.2	3732786	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5817	498868.9	3732778	8.18E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
5818	498873.6	3732769	8.19E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
5819	498878.2	3732760	8.20E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
5820	498882.9	3732751	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00

5821	498887.6	3732743	8.22E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
5822	498892.3	3732734	8.22E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
5823	498896.9	3732725	8.23E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
5824	498901.6	3732717	8.24E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5825	498906.3	3732708	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5826	498910.9	3732699	8.26E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5827	498915.6	3732691	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.66E-05	0.00E+00	0.00E+00
5828	498920.3	3732682	8.28E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
5829	498924.9	3732673	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
5830	498929.6	3732664	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
5831	498934.3	3732656	8.30E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5832	498938.9	3732647	8.31E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5833	498943.6	3732638	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5834	498948.3	3732630	8.33E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5835	498952.9	3732621	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
5836	498957.6	3732612	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5837	498962.3	3732604	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5838	498966.9	3732595	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5839	498971.6	3732586	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5840	498976.3	3732578	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5841	498980.9	3732569	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5842	498985.6	3732560	8.38E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5843	498990.3	3732551	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5844	498994.9	3732543	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5845	498999.6	3732534	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5846	499004.3	3732525	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5847	499008.9	3732517	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5848	499013.6	3732508	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5849	499018.3	3732499	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5850	499022.9	3732491	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5851	499027.6	3732482	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5852	499032.3	3732473	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5853	499036.9	3732465	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5854	499041.6	3732456	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5855	499046.3	3732447	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5856	499050.9	3732438	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5857	499055.6	3732430	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5858	499060.3	3732421	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5859	499064.9	3732412	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5860	499069.6	3732404	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5861	499074.3	3732395	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5862	499078.9	3732386	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5863	499083.6	3732378	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5864	499088.3	3732369	8.41E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5865	499093	3732360	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5866	499097.6	3732352	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
5867	499102.3	3732343	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5868	499107	3732334	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5869	499111.6	3732325	8.38E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5870	499116.3	3732317	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5871	499121	3732308	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
5872	499125.6	3732299	8.36E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5873	499130.3	3732291	8.35E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5874	499135	3732282	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
5875	499139.6	3732273	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
5876	499144.3	3732265	8.33E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5877	499149	3732256	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5878	499214.3	3732134	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5879	499219	3732125	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5880	499223.6	3732117	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5881	499228.3	3732108	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5882	499233	3732099	8.12E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5883	499237.6	3732091	8.11E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
5884	499242.3	3732082	8.10E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5885	499247	3732073	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
5886	499261.5	3732064	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
5887	499271.3	3732063	8.24E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
5888	499281.1	3732062	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
5889	499290.9	3732061	8.40E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
5890	499300.8	3732060	8.49E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
5891	499310.6	3732059	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
5892	499320.4	3732058	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
5893	499330.2	3732057	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
5894	499340	3732056	8.84E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
5895	499349.9	3732055	8.93E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
5896	499428.4	3732047	9.74E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
5897	499438.2	3732046	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
5898	499448.1	3732046	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
5899	499457.9	3732045	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
5900	499467.7	3732044	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
5901	499477.5	3732043	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
5902	499487.4	3732042	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
5903	499497.2	3732041	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
5904	499507	3732040	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
5905	499516.8	3732039	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
5906	499526.6	3732038	1.09E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
5907	499536.5	3732037	1.11E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
5908	499546.3	3732036	1.12E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
5909	499556.1	3732035	1.13E-04	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
5910	499565.9	3732034	1.15E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
5911	499575.7	3732033	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
5912	499585.6	3732032	1.18E-04	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
5913	499595.4	3732031	1.19E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
5914	499605.2	3732030	1.21E-04	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
5915	499615	3732029	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
5916	499624.9	3732028	1.24E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
5917	499634.7	3732027	1.25E-04	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
5918	499644.5	3732026	1.27E-04	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
5919	499654.3	3732025	1.29E-04	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
5920	499664.1	3732025	1.30E-04	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
5921	499674	3732024	1.32E-04	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
5922	499683.8	3732023	1.34E-04	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
5923	499693.6	3732022	1.36E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
5924	499703.4	3732021	1.38E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
5925	499713.2	3732020	1.39E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
5926	499723.1	3732019	1.41E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.53E-05	0.00E+00	0.00E+00
5927	499732.9	3732018	1.43E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
5928	499742.7	3732017	1.45E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
5929	499752.5	3732016	1.47E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
5930	499762.3	3732015	1.49E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
5931	499772.2	3732014	1.51E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
5932	499782	3732013	1.53E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00

5933	499791.8	3732012	1.55E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
5934	499801.6	3732011	1.57E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
5935	499811.5	3732010	1.59E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
5936	499821.3	3732009	1.61E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
5937	499831.1	3732008	1.63E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
5938	499840.9	3732007	1.65E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
5939	499850.7	3732006	1.68E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
5940	499860.6	3732005	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
5941	499870.4	3732004	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
5942	499880.2	3732004	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
5943	499890	3732003	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.66E-05	0.00E+00	0.00E+00
5944	499899.8	3732002	1.79E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
5945	499909.7	3732001	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
5946	499919.5	3732000	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
5947	499929.3	3731999	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
5948	499939.1	3731998	1.88E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
5949	499949	3731997	1.90E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.09E-05	0.00E+00	0.00E+00
5950	499958.8	3731996	1.92E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
5951	499968.6	3731995	1.94E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.24E-05	0.00E+00	0.00E+00
5952	499978.4	3731994	1.96E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
5953	499988.2	3731993	1.99E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
5954	499998.1	3731992	2.01E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.03E-05	6.45E-05	0.00E+00	0.00E+00
5955	500007.9	3731991	2.03E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
5956	500017.7	3731990	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
5957	500027.5	3731989	2.08E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.12E-05	6.67E-05	0.00E+00	0.00E+00
5958	500037.3	3731988	2.10E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
5959	500047.2	3731987	2.12E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
5960	500057	3731986	2.14E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
5961	500066.8	3731985	2.16E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
5962	500076.6	3731984	2.18E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
5963	500086.4	3731983	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
5964	500096.3	3731983	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
5965	500106.1	3731982	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
5966	500115.9	3731981	2.26E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
5967	500125.7	3731980	2.28E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
5968	500135.6	3731979	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
5969	500145.4	3731978	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
5970	500155.2	3731977	2.34E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
5971	500165	3731976	2.35E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.54E-05	7.56E-05	0.00E+00	0.00E+00
5972	500174.8	3731975	2.37E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
5973	500184.7	3731974	2.39E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
5974	500194.5	3731973	2.40E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
5975	500204.3	3731972	2.42E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.76E-05	0.00E+00	0.00E+00
5976	500214.1	3731971	2.43E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
5977	500223.9	3731970	2.45E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
5978	500233.8	3731969	2.46E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
5979	498770.2	3733268	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
5980	498770.2	3733278	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
5981	498739.9	3732951	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
5982	498744.6	3732943	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5983	498749.2	3732934	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5984	498753.9	3732925	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5985	498758.6	3732916	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
5986	498763.3	3732908	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5987	498768	3732899	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5988	498772.7	3732890	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5989	498777.4	3732881	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
5990	498782	3732873	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5991	498786.7	3732864	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5992	498791.4	3732855	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5993	498796.1	3732847	7.77E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
5994	498800.8	3732838	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5995	498805.5	3732829	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5996	498810.2	3732820	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5997	498814.8	3732812	7.80E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
5998	498819.5	3732803	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
5999	498824.2	3732794	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6000	498828.9	3732785	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6001	498833.6	3732777	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6002	498838.3	3732768	7.84E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6003	498842.9	3732759	7.85E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6004	498847.6	3732751	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6005	498852.3	3732742	7.87E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.53E-05	0.00E+00	0.00E+00
6006	498857	3732733	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
6007	498861.7	3732724	7.88E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
6008	498866.4	3732716	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
6009	498871.1	3732707	7.90E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6010	498875.7	3732698	7.91E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6011	498880.4	3732689	7.92E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6012	498885.1	3732681	7.93E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6013	498889.8	3732672	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6014	498894.5	3732663	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6015	498899.2	3732655	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6016	498903.9	3732646	7.96E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6017	498908.5	3732637	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6018	498913.2	3732628	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6019	498917.9	3732620	7.98E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6020	498922.6	3732611	7.99E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6021	498927.3	3732602	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6022	498932	3732593	8.00E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.48E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6023	498936.7	3732585	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6024	498941.3	3732576	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6025	498946	3732567	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6026	498950.7	3732559	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6027	498955.4	3732550	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6028	498960.1	3732541	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6029	498964.8	3732532	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6030	498969.5	3732524	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6031	498974.1	3732515	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6032	498978.8	3732506	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6033	498983.5	3732497	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6034	498988.2	3732489	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6035	498992.9	3732480	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6036	498997.6	3732471	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6037	499002.3	3732463	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6038	499006.9	3732454	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6039	499011.6	3732445	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6040	499016.3	3732436	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6041	499021	3732428	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6042	499025.7	3732419	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6043	499030.4	3732410	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6044	499035.1	3732401	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00

6045	499039.7	3732393	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6046	499044.4	3732384	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6047	499049.1	3732375	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
6048	499053.8	3732367	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6049	499058.5	3732358	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6050	499063.2	3732349	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6051	499067.9	3732340	8.06E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6052	499072.5	3732332	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
6053	499077.2	3732323	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6054	499081.9	3732314	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6055	499086.6	3732305	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6056	499091.3	3732297	8.03E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6057	499096	3732288	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6058	499100.7	3732279	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6059	499105.3	3732271	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6060	499110	3732262	8.00E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6061	499114.7	3732253	8.00E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6062	499119.4	3732244	7.99E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.57E-05	0.00E+00	0.00E+00
6063	499124.1	3732236	7.98E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6064	499128.8	3732227	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6065	499133.5	3732218	7.96E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6066	499138.1	3732209	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6067	499142.8	3732201	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
6068	499147.5	3732192	7.93E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6069	499180.3	3732131	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.53E-05	0.00E+00	0.00E+00
6070	499185	3732122	7.85E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6071	499189.7	3732113	7.84E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6072	499194.4	3732105	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6073	499199.1	3732096	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6074	499203.7	3732087	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6075	499208.4	3732079	7.80E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.51E-05	0.00E+00	0.00E+00
6076	499213.1	3732070	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
6077	499217.8	3732061	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
6078	499222.5	3732052	7.77E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6079	499227.2	3732044	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6080	499241.7	3732034	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
6081	499251.6	3732033	7.89E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
6082	499261.4	3732032	7.97E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
6083	499271.3	3732031	8.05E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
6084	499281.1	3732030	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
6085	499291	3732029	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
6086	499300.9	3732028	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
6087	499310.7	3732027	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
6088	499320.6	3732026	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
6089	499330.4	3732025	8.54E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	1.57E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
6090	499340.3	3732024	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
6091	499350.2	3732023	8.72E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
6092	499409.3	3732018	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
6093	499419.2	3732017	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
6094	499429	3732016	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
6095	499438.9	3732015	9.60E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
6096	499448.8	3732014	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
6097	499458.6	3732013	9.82E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
6098	499468.5	3732012	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.19E-05	0.00E+00	0.00E+00
6099	499478.3	3732011	1.00E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
6100	499488.2	3732010	1.02E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
6101	499498.1	3732009	1.03E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
6102	499507.9	3732008	1.04E-04	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
6103	499517.8	3732007	1.05E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
6104	499527.6	3732006	1.06E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
6105	499537.5	3732005	1.08E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
6106	499547.3	3732004	1.09E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
6107	499557.2	3732003	1.10E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
6108	499567.1	3732002	1.12E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
6109	499576.9	3732001	1.13E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
6110	499586.8	3732000	1.14E-04	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
6111	499596.6	3731999	1.16E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.72E-05	0.00E+00	0.00E+00
6112	499606.5	3731998	1.17E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
6113	499616.4	3731998	1.19E-04	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
6114	499626.2	3731997	1.20E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
6115	499636.1	3731996	1.22E-04	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6116	499645.9	3731995	1.23E-04	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
6117	499655.8	3731994	1.25E-04	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
6118	499665.7	3731993	1.27E-04	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
6119	499675.5	3731992	1.28E-04	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
6120	499685.4	3731991	1.30E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
6121	499695.2	3731990	1.32E-04	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
6122	499705.1	3731989	1.33E-04	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
6123	499715	3731988	1.35E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
6124	499724.8	3731987	1.37E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
6125	499734.7	3731986	1.39E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
6126	499744.5	3731985	1.40E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
6127	499754.4	3731984	1.42E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6128	499764.2	3731983	1.44E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
6129	499774.1	3731982	1.46E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
6130	499784	3731981	1.48E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
6131	499793.8	3731980	1.50E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
6132	499803.7	3731979	1.52E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.87E-05	0.00E+00	0.00E+00
6133	499813.5	3731978	1.54E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
6134	499823.4	3731977	1.56E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
6135	499833.3	3731976	1.58E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.07E-05	0.00E+00	0.00E+00
6136	499843.1	3731975	1.60E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.41E-05	5.13E-05	0.00E+00	0.00E+00
6137	499853	3731975	1.62E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
6138	499862.8	3731974	1.64E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
6139	499872.7	3731973	1.66E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
6140	499882.6	3731972	1.68E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
6141	499892.4	3731971	1.70E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.46E-05	0.00E+00	0.00E+00
6142	499902.3	3731970	1.72E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
6143	499912.1	3731969	1.74E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.60E-05	0.00E+00	0.00E+00
6144	499922	3731968	1.76E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.66E-05	0.00E+00	0.00E+00
6145	499931.9	3731967	1.78E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
6146	499941.7	3731966	1.81E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
6147	499951.6	3731965	1.83E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
6148	499961.4	3731964	1.85E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
6149	499971.3	3731963	1.87E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
6150	499981.2	3731962	1.89E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
6151	499991	3731961	1.91E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
6152	500000.9	3731960	1.93E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
6153	500010.7	3731959	1.95E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
6154	500020.6	3731958	1.97E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
6155	500030.4	3731957	1.99E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
6156	500040.3	3731956	2.01E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00

6157	500050.2	3731955	2.03E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
6158	500060	3731954	2.05E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.60E-05	0.00E+00	0.00E+00
6159	500069.9	3731953	2.07E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
6160	500079.7	3731952	2.09E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
6161	500089.6	3731952	2.11E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
6162	500099.5	3731951	2.13E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
6163	500109.3	3731950	2.15E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
6164	500119.2	3731949	2.17E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
6165	500129	3731948	2.19E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
6166	500138.9	3731947	2.20E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
6167	500148.8	3731946	2.22E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
6168	500158.6	3731945	2.24E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
6169	500168.5	3731944	2.26E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.24E-05	0.00E+00	0.00E+00
6170	500178.3	3731943	2.27E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6171	500188.2	3731942	2.29E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6172	500198.1	3731941	2.30E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
6173	500207.9	3731940	2.32E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
6174	500217.8	3731939	2.33E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
6175	500227.6	3731938	2.34E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
6176	500237.5	3731937	2.36E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.57E-05	0.00E+00	0.00E+00
6177	498734.5	3733268	8.87E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.63E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
6178	498734.5	3733278	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
6179	498713.4	3732934	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
6180	498718.1	3732925	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
6181	498722.8	3732917	7.39E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
6182	498727.4	3732908	7.40E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.38E-05	0.00E+00	0.00E+00
6183	498732.1	3732899	7.41E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.38E-05	0.00E+00	0.00E+00
6184	498736.7	3732890	7.41E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.38E-05	0.00E+00	0.00E+00
6185	498741.4	3732882	7.42E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.38E-05	0.00E+00	0.00E+00
6186	498746.1	3732873	7.43E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6187	498750.7	3732864	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6188	498755.4	3732856	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6189	498760	3732847	7.45E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6190	498764.7	3732838	7.46E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.40E-05	0.00E+00	0.00E+00
6191	498769.4	3732830	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.12E-05	2.40E-05	0.00E+00	0.00E+00
6192	498774	3732821	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6193	498778.7	3732812	7.48E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6194	498783.3	3732804	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6195	498788	3732795	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6196	498792.7	3732786	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6197	498797.3	3732778	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6198	498802	3732769	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6199	498806.6	3732760	7.53E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6200	498811.3	3732752	7.53E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6201	498816	3732743	7.54E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
6202	498820.6	3732734	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
6203	498825.3	3732726	7.56E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6204	498829.9	3732717	7.57E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6205	498834.6	3732708	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6206	498839.3	3732700	7.58E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6207	498843.9	3732691	7.59E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
6208	498848.6	3732682	7.60E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
6209	498853.2	3732673	7.60E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
6210	498857.9	3732665	7.61E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.44E-05	0.00E+00	0.00E+00
6211	498862.6	3732656	7.62E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6212	498867.2	3732647	7.63E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6213	498871.9	3732639	7.63E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6214	498876.5	3732630	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6215	498881.2	3732621	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6216	498885.9	3732613	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6217	498890.5	3732604	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6218	498895.2	3732595	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.16E-05	2.46E-05	0.00E+00	0.00E+00
6219	498899.8	3732587	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6220	498904.5	3732578	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6221	498909.2	3732569	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6222	498913.8	3732561	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6223	498918.5	3732552	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6224	498923.1	3732543	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6225	498927.8	3732535	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6226	498932.5	3732526	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6227	498937.1	3732517	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6228	498941.8	3732509	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6229	498946.4	3732500	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6230	498951.1	3732491	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6231	498955.8	3732483	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6232	498960.4	3732474	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6233	498965.1	3732465	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6234	498969.7	3732457	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6235	498974.4	3732448	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6236	498979.1	3732439	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6237	498983.7	3732430	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6238	498988.4	3732422	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6239	498993	3732413	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6240	498997.7	3732404	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6241	499002.4	3732396	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6242	499007	3732387	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6243	499011.7	3732378	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6244	499016.3	3732370	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6245	499021	3732361	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6246	499025.7	3732352	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6247	499030.3	3732344	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6248	499035	3732335	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6249	499039.6	3732326	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
6250	499044.3	3732318	7.74E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6251	499049	3732309	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6252	499053.6	3732300	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6253	499058.3	3732292	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6254	499062.9	3732283	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6255	499067.6	3732274	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6256	499072.3	3732266	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6257	499076.9	3732257	7.70E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6258	499081.6	3732248	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6259	499086.2	3732240	7.69E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6260	499090.9	3732231	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
6261	499095.6	3732222	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6262	499100.2	3732213	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6263	499104.9	3732205	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6264	499109.5	3732196	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
6265	499114.2	3732187	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6266	499146.8	3732127	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6267	499151.5	3732118	7.56E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6268	499156.1	3732109	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00

6269	499160.8	3732101	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
6270	499165.5	3732092	7.54E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6271	499170.1	3732083	7.53E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
6272	499174.8	3732075	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6273	499179.4	3732066	7.51E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6274	499184.1	3732057	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6275	499188.8	3732049	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6276	499193.4	3732040	7.48E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
6277	499198.1	3732031	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.12E-05	2.40E-05	0.00E+00	0.00E+00
6278	499202.7	3732023	7.45E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6279	499207.4	3732014	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
6280	499221.9	3732004	7.50E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
6281	499231.7	3732003	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
6282	499241.5	3732002	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
6283	499251.3	3732001	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
6284	499261.1	3732000	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
6285	499270.9	3731999	7.86E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
6286	499280.7	3731998	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
6287	499290.5	3731998	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
6288	499300.3	3731997	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
6289	499310.1	3731996	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
6290	499319.9	3731995	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
6291	499329.7	3731994	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
6292	499339.5	3731993	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
6293	499349.3	3731992	8.50E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
6294	499418	3731985	9.14E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
6295	499427.8	3731984	9.24E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
6296	499437.6	3731983	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
6297	499447.4	3731982	9.44E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
6298	499457.2	3731981	9.55E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
6299	499467	3731980	9.65E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
6300	499476.8	3731979	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
6301	499486.6	3731978	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
6302	499496.4	3731978	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
6303	499506.2	3731977	1.01E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
6304	499516	3731976	1.02E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
6305	499525.8	3731975	1.03E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
6306	499535.6	3731974	1.05E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
6307	499545.4	3731973	1.06E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
6308	499555.2	3731972	1.07E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
6309	499565	3731971	0.000108	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
6310	499574.8	3731970	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
6311	499584.7	3731969	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
6312	499594.5	3731968	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
6313	499604.3	3731967	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
6314	499614.1	3731966	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
6315	499623.9	3731965	0.000116	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
6316	499633.7	3731964	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
6317	499643.5	3731963	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
6318	499653.3	3731962	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
6319	499663.1	3731961	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
6320	499672.9	3731960	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.98E-05	0.00E+00	0.00E+00
6321	499682.7	3731959	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
6322	499692.5	3731958	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
6323	499702.3	3731958	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
6324	499712.1	3731957	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
6325	499721.9	3731956	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
6326	499731.7	3731955	0.000134	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
6327	499741.5	3731954	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
6328	499751.3	3731953	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
6329	499761.1	3731952	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
6330	499771	3731951	0.00014	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
6331	499780.8	3731950	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6332	499790.6	3731949	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
6333	499800.4	3731948	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
6334	499810.2	3731947	0.000148	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
6335	499820	3731946	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
6336	499829.8	3731945	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
6337	499839.6	3731944	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
6338	499849.4	3731943	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.98E-05	0.00E+00	0.00E+00
6339	499859.2	3731942	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
6340	499869	3731941	0.000159	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
6341	499878.8	3731940	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
6342	499888.6	3731939	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
6343	499898.4	3731938	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
6344	499908.2	3731938	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
6345	499918	3731937	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
6346	499927.8	3731936	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
6347	499937.6	3731935	0.000173	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
6348	499947.4	3731934	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
6349	499957.3	3731933	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
6350	499967.1	3731932	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
6351	499976.9	3731931	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
6352	499986.7	3731930	0.000183	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
6353	499996.5	3731929	0.000185	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
6354	500006.3	3731928	0.000186	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
6355	500016.1	3731927	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
6356	500025.9	3731926	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
6357	500035.7	3731925	0.000192	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
6358	500045.5	3731924	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
6359	500055.3	3731923	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
6360	500065.1	3731922	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
6361	500074.9	3731921	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
6362	500084.7	3731920	0.000202	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
6363	500094.5	3731919	0.000203	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
6364	500104.3	3731918	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
6365	500114.1	3731917	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
6366	500123.9	3731917	0.000209	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
6367	500133.7	3731916	0.00021	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.75E-05	0.00E+00	0.00E+00
6368	500143.6	3731915	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
6369	500153.4	3731914	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.21E-05	6.86E-05	0.00E+00	0.00E+00
6370	500163.2	3731913	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
6371	500173	3731912	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
6372	500182.8	3731911	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
6373	500192.6	3731910	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
6374	500202.4	3731909	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
6375	500212.2	3731908	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
6376	500222	3731907	0.000224	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
6377	500231.8	3731906	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
6378	500241.6	3731905	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
6379	500280.8	3731901	0.000231	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.48E-05	7.41E-05	0.00E+00	0.00E+00
6380	498698.8	3733268	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00

6381	498698.8	3733277	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
6382	499638.4	3733557	0.001061	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
6383	499627.7	3733545	0.001003	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
6384	499620.9	3733582	0.000979	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
6385	499610.4	3733569	0.00093	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
6386	499599.8	3733557	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
6387	499589.3	3733545	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
6388	499632.9	3733593	0.001037	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
6389	499603.4	3733606	0.000907	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.91E-04	0.00E+00	0.00E+00
6390	499593	3733594	0.000864	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
6391	499582.6	3733582	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
6392	499572.1	3733570	0.000783	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
6393	499561.7	3733557	0.000744	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
6394	499551.3	3733545	0.000708	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.30E-03	0.00E+00	0.00E+00	1.07E-04	2.27E-04	0.00E+00	0.00E+00
6395	499540.9	3733533	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
6396	499615.3	3733617	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
6397	499585.7	3733630	0.000842	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
6398	499574.9	3733618	0.000804	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
6399	499564.2	3733605	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
6400	499553.5	3733593	0.000729	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
6401	499542.7	3733580	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
6402	499532	3733567	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
6403	499521.2	3733555	0.000628	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.16E-03	0.00E+00	0.00E+00	9.46E-05	2.02E-04	0.00E+00	0.00E+00
6404	499597.8	3733641	0.000887	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
6405	499568.2	3733655	0.000786	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
6406	499557.5	3733642	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
6407	499546.9	3733630	0.000719	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
6408	499536.3	3733617	0.000686	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
6409	499525.7	3733605	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
6410	499580.2	3733666	0.000825	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
6411	499550.6	3733679	0.000735	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.35E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
6412	499540.1	3733667	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
6413	499529.6	3733654	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
6414	499352.6	3733295	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
6415	499562.6	3733690	0.00077	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
6416	499527.1	3733711	0.000675	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
6417	499354.4	3733469	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
6418	499350.6	3733454	0.000321	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
6419	499346.8	3733438	0.000314	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
6420	499343	3733422	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
6421	499339.2	3733406	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
6422	499335.4	3733390	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
6423	499331.6	3733374	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
6424	499327.8	3733358	0.000278	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
6425	499324	3733342	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
6426	499320.2	3733326	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
6427	499316.4	3733311	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
6428	499312.6	3733295	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
6429	499539.2	3733722	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
6430	499503.7	3733744	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.37E-05	2.00E-04	0.00E+00	0.00E+00
6431	499460.8	3733694	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
6432	499450	3733681	0.000512	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.43E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
6433	499439.3	3733669	0.000491	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.05E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
6434	499353.5	3733568	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
6435	499342.8	3733556	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
6436	499330.1	3733535	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
6437	499326.3	3733519	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
6438	499322.5	3733503	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
6439	499318.6	3733487	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
6440	499314.8	3733471	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
6441	499311	3733455	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
6442	499307.1	3733439	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
6443	499303.3	3733423	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
6444	499299.5	3733407	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
6445	499295.6	3733391	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
6446	499291.8	3733375	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
6447	499288	3733359	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.03E-05	0.00E+00	0.00E+00
6448	499284.1	3733343	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
6449	499280.3	3733327	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
6450	499276.5	3733311	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
6451	499272.6	3733295	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6452	499515.7	3733755	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
6453	499480.3	3733776	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
6454	499469.8	3733764	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
6455	499459.3	3733752	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
6456	499448.8	3733739	0.000518	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
6457	499438.3	3733727	0.000499	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
6458	499427.8	3733715	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
6459	499417.3	3733703	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
6460	499354.2	3733629	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6461	499343.7	3733617	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
6462	499333.2	3733604	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
6463	499322.7	3733592	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
6464	499312.2	3733580	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
6465	499301.7	3733568	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.74E-05	0.00E+00	0.00E+00
6466	499294.5	3733554	0.000294	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.46E-05	0.00E+00	0.00E+00
6467	499290.8	3733538	0.000288	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
6468	499287	3733522	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
6469	499283.3	3733506	0.000276	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
6470	499279.5	3733491	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
6471	499275.8	3733475	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
6472	499272	3733459	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.33E-05	0.00E+00	0.00E+00
6473	499268.2	3733444	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
6474	499264.5	3733428	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
6475	499260.7	3733412	0.000243	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.49E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
6476	499257	3733396	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
6477	499253.2	3733381	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
6478	499249.5	3733365	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6479	499245.7	3733349	0.000224	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
6480	499241.9	3733334	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
6481	499238.2	3733318	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
6482	499234.4	3733302	0.00021	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.75E-05	0.00E+00	0.00E+00
6483	499492.3	3733787	0.000599	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
6484	499456.9	3733809	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
6485	499446.3	3733796	0.000518	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.54E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
6486	499435.7	3733784	0.000501	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
6487	499425.1	3733771	0.000484	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
6488	499414.5	3733759	0.000467	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
6489	499350.9	3733685	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
6490	499340.3	3733672	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
6491	499329.7	3733660	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
6492	499319.1	3733648	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00

6493	499308.5	3733635	0.000322	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
6494	499297.9	3733623	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
6495	499287.3	3733611	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
6496	499276.7	3733598	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
6497	499266.1	3733586	0.000278	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.94E-05	0.00E+00	0.00E+00
6498	499258.9	3733572	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
6499	499255.1	3733556	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.52E-05	0.00E+00	0.00E+00
6500	499251.3	3733540	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.92E-05	8.35E-05	0.00E+00	0.00E+00
6501	499247.5	3733524	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
6502	499243.7	3733508	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
6503	499239.9	3733492	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
6504	499236.2	3733477	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
6505	499232.4	3733461	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
6506	499228.6	3733445	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
6507	499224.8	3733429	0.000226	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.25E-05	0.00E+00	0.00E+00
6508	499221	3733413	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
6509	499217.2	3733397	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
6510	499213.4	3733381	0.000212	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
6511	499209.6	3733366	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
6512	499205.8	3733350	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.56E-05	0.00E+00	0.00E+00
6513	499202.1	3733334	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.43E-05	0.00E+00	0.00E+00
6514	499198.3	3733318	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
6515	499194.5	3733302	0.000192	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
6516	499468.9	3733820	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
6517	499433.4	3733841	0.000499	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
6518	499422.7	3733828	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
6519	499412	3733816	0.000468	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
6520	499337.3	3733729	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6521	499326.6	3733716	0.000354	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.53E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
6522	499315.9	3733704	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
6523	499305.2	3733691	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
6524	499294.6	3733679	0.000318	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
6525	499283.9	3733666	0.000306	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
6526	499273.2	3733654	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
6527	499262.5	3733641	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
6528	499251.8	3733629	0.000275	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.84E-05	0.00E+00	0.00E+00
6529	499241.2	3733616	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
6530	499230.5	3733604	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
6531	499223.2	3733590	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.03E-05	0.00E+00	0.00E+00
6532	499219.4	3733574	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00
6533	499215.6	3733558	0.000241	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
6534	499211.8	3733542	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
6535	499208	3733526	0.000231	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.27E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
6536	499204.1	3733510	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6537	499200.3	3733494	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
6538	499196.5	3733478	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
6539	499192.7	3733462	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.22E-05	6.88E-05	0.00E+00	0.00E+00
6540	499188.9	3733446	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
6541	499185.1	3733430	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
6542	499181.2	3733414	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
6543	499177.4	3733398	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.37E-05	0.00E+00	0.00E+00
6544	499173.6	3733382	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
6545	499169.8	3733366	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
6546	499166	3733350	0.000187	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
6547	499162.2	3733334	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
6548	499158.3	3733318	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
6549	499154.5	3733302	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.68E-05	0.00E+00	0.00E+00
6550	499445.4	3733852	0.000516	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.52E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
6551	499409.9	3733873	0.000466	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.59E-04	0.00E+00	0.00E+00	7.02E-05	1.50E-04	0.00E+00	0.00E+00
6552	499291.7	3733735	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
6553	499280.9	3733723	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
6554	499270.1	3733710	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
6555	499259.4	3733698	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
6556	499248.6	3733685	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
6557	499237.9	3733672	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
6558	499227.1	3733660	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
6559	499216.4	3733647	0.000254	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
6560	499205.6	3733635	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
6561	499194.9	3733622	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
6562	499187.6	3733608	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
6563	499183.7	3733592	0.000228	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.19E-04	0.00E+00	0.00E+00	3.43E-05	7.31E-05	0.00E+00	0.00E+00
6564	499179.9	3733576	0.000223	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
6565	499176.1	3733560	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.04E-05	0.00E+00	0.00E+00
6566	499172.2	3733544	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
6567	499168.4	3733527	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
6568	499164.5	3733511	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
6569	499160.7	3733495	0.000204	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.54E-05	0.00E+00	0.00E+00
6570	499156.8	3733479	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
6571	499153	3733463	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
6572	499149.2	3733447	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
6573	499145.3	3733431	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.85E-05	6.07E-05	0.00E+00	0.00E+00
6574	499141.5	3733415	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
6575	499137.6	3733399	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
6576	499133.8	3733383	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.75E-05	0.00E+00	0.00E+00
6577	499129.9	3733367	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
6578	499126.1	3733351	0.000173	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
6579	499122.2	3733335	0.00017	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
6580	499118.4	3733318	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
6581	499114.6	3733302	0.000164	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
6582	499422	3733884	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
6583	499249.1	3733745	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
6584	499238.5	3733733	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
6585	499227.9	3733721	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
6586	499217.3	3733708	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
6587	499206.8	3733696	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
6588	499196.2	3733683	0.000247	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
6589	499185.6	3733671	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
6590	499175	3733659	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
6591	499164.4	3733646	0.000224	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
6592	499152	3733626	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
6593	499148.2	3733610	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
6594	499144.4	3733595	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
6595	499140.6	3733579	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
6596	499136.9	3733563	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
6597	499133.1	3733547	0.000198	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.64E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
6598	499129.3	3733531	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.24E-05	0.00E+00	0.00E+00
6599	499125.5	3733515	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
6600	499121.7	3733500	0.000188	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.82E-05	6.02E-05	0.00E+00	0.00E+00
6601	499118	3733484	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
6602	499114.2	3733468	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.82E-05	0.00E+00	0.00E+00
6603	499110.4	3733452	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
6604	499106.6	3733436	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00

6605	499102.8	3733421	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
6606	499099	3733405	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
6607	499095.3	3733389	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
6608	499091.5	3733373	0.000164	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
6609	499087.7	3733357	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
6610	499083.9	3733341	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
6611	499080.1	3733326	0.000155	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
6612	499076.4	3733310	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
6613	499072.6	3733294	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
6614	499398.6	3733917	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
6615	499363.1	3733938	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
6616	499352.5	3733926	0.0004	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
6617	499341.8	3733913	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
6618	499331.2	3733901	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
6619	499320.5	3733888	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6620	499192.8	3733739	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.79E-05	8.09E-05	0.00E+00	0.00E+00
6621	499182.1	3733727	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.68E-05	7.84E-05	0.00E+00	0.00E+00
6622	499171.5	3733714	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
6623	499160.8	3733702	0.000229	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.37E-05	0.00E+00	0.00E+00
6624	499150.2	3733690	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
6625	499139.5	3733677	0.000216	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
6626	499128.9	3733665	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
6627	499116.3	3733644	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
6628	499112.5	3733628	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
6629	499108.7	3733612	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
6630	499104.9	3733597	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
6631	499101.1	3733581	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
6632	499097.3	3733565	0.000185	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.94E-05	0.00E+00	0.00E+00
6633	499093.5	3733549	0.000182	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.84E-05	0.00E+00	0.00E+00
6634	499089.7	3733533	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.75E-05	0.00E+00	0.00E+00
6635	499085.9	3733517	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
6636	499082.1	3733501	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
6637	499078.3	3733485	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
6638	499074.5	3733469	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
6639	499070.7	3733453	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
6640	499066.9	3733437	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
6641	499063	3733421	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
6642	499059.2	3733405	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.04E-05	0.00E+00	0.00E+00
6643	499055.4	3733390	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
6644	499051.6	3733374	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.28E-05	4.87E-05	0.00E+00	0.00E+00
6645	499047.8	3733358	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
6646	499044	3733342	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
6647	499040.2	3733326	0.000145	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
6648	499036.4	3733310	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6649	499032.6	3733294	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
6650	499339.7	3733971	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
6651	499328.9	3733958	0.000377	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.95E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
6652	499318.2	3733946	0.000367	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
6653	499307.5	3733933	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
6654	499296.8	3733921	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
6655	499286.1	3733908	0.000337	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
6656	499275.4	3733896	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
6657	499146.9	3733745	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6658	499136.1	3733733	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
6659	499125.4	3733720	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
6660	499114.7	3733708	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
6661	499104	3733695	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
6662	499093.3	3733683	0.000196	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.28E-05	0.00E+00	0.00E+00
6663	499080.7	3733662	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
6664	499076.9	3733646	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
6665	499073	3733630	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
6666	499069.2	3733614	0.000179	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
6667	499065.4	3733598	0.000177	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
6668	499061.5	3733582	0.000174	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
6669	499057.7	3733566	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
6670	499053.9	3733550	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
6671	499050.1	3733534	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
6672	499046.2	3733518	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
6673	499042.4	3733502	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
6674	499038.6	3733486	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.07E-05	0.00E+00	0.00E+00
6675	499034.7	3733470	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
6676	499030.9	3733454	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
6677	499027.1	3733438	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
6678	499023.3	3733422	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
6679	499019.4	3733406	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
6680	499015.6	3733390	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
6681	499011.8	3733374	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
6682	499007.9	3733358	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.47E-05	0.00E+00	0.00E+00
6683	499004.1	3733342	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
6684	499000.3	3733326	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
6685	498996.5	3733310	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
6686	498992.6	3733294	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
6687	499351.7	3733982	0.000398	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
6688	499316.2	3734003	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
6689	499305.4	3733990	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
6690	499294.7	3733978	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
6691	499283.9	3733965	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
6692	499273.1	3733953	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
6693	499262.3	3733940	0.00032	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
6694	499251.6	3733928	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
6695	499240.8	3733915	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
6696	499230	3733902	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
6697	499219.3	3733890	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.16E-05	0.00E+00	0.00E+00
6698	499208.5	3733877	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
6699	499197.7	3733865	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
6700	499187	3733852	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
6701	499090	3733739	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.41E-05	0.00E+00	0.00E+00
6702	499079.3	3733726	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
6703	499068.5	3733714	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
6704	499057.7	3733701	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
6705	499045	3733681	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
6706	499041.2	3733664	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
6707	499037.3	3733648	0.000171	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
6708	499033.5	3733632	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
6709	499029.6	3733616	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
6710	499025.8	3733600	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
6711	499021.9	3733584	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
6712	499018.1	3733568	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
6713	499014.2	3733552	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
6714	499010.4	3733536	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
6715	499006.5	3733520	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
6716	499002.7	3733503	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00

6717	498998.8	3733487	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
6718	498995	3733471	0.000145	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.66E-04	0.00E+00	0.00E+00	2.18E-05	4.64E-05	0.00E+00	0.00E+00
6719	498991.1	3733455	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6720	498987.3	3733439	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
6721	498983.4	3733423	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
6722	498979.6	3733407	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
6723	498975.7	3733391	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
6724	498971.9	3733375	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
6725	498968	3733358	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
6726	498964.2	3733342	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
6727	498960.3	3733326	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
6728	498956.5	3733310	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
6729	498952.6	3733294	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
6730	499328.3	3734014	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
6731	499295.4	3734032	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
6732	499284.8	3734020	0.000339	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
6733	499274.2	3734007	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
6734	499263.6	3733995	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
6735	499253.1	3733983	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
6736	499242.5	3733970	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
6737	499231.9	3733958	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
6738	499221.3	3733946	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
6739	499210.8	3733933	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.09E-05	0.00E+00	0.00E+00
6740	499200.2	3733921	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
6741	499189.6	3733909	0.000268	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
6742	499179	3733896	0.00026	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
6743	499168.5	3733884	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
6744	499157.9	3733872	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
6745	499147.3	3733859	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
6746	499041.6	3733736	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
6747	499031	3733723	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
6748	499020.4	3733711	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
6749	499013.3	3733697	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
6750	499009.5	3733681	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
6751	499005.7	3733665	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
6752	499001.9	3733649	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
6753	498998.1	3733634	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
6754	498994.4	3733618	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
6755	498990.6	3733602	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
6756	498986.8	3733586	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
6757	498983	3733570	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
6758	498979.2	3733555	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
6759	498975.5	3733539	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.64E-05	0.00E+00	0.00E+00
6760	498971.7	3733523	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
6761	498967.9	3733507	0.00014	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.51E-05	0.00E+00	0.00E+00
6762	498964.1	3733491	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
6763	498960.3	3733476	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
6764	498956.6	3733460	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
6765	498952.8	3733444	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
6766	498949	3733428	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
6767	498945.2	3733412	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
6768	498941.4	3733396	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
6769	498937.7	3733381	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
6770	498933.9	3733365	0.000123	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
6771	498930.1	3733349	0.000122	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6772	498926.3	3733333	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
6773	498922.5	3733317	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
6774	498918.8	3733302	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
6775	499307.4	3734043	0.000357	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
6776	499274.4	3734061	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
6777	499263.9	3734049	0.000324	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
6778	499253.3	3734036	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
6779	499242.7	3734024	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.64E-05	9.91E-05	0.00E+00	0.00E+00
6780	499232.1	3734012	0.000301	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
6781	499221.5	3733999	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
6782	499210.9	3733987	0.000286	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
6783	499200.3	3733974	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
6784	499189.8	3733962	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
6785	499179.2	3733950	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
6786	499168.6	3733937	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
6787	499158	3733925	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
6788	499147.4	3733913	0.000244	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
6789	499136.8	3733900	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
6790	499126.2	3733888	0.00023	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.40E-05	0.00E+00	0.00E+00
6791	499115.6	3733876	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
6792	499105.1	3733863	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
6793	498999.2	3733740	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
6794	498988.6	3733727	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
6795	498981.4	3733713	0.000159	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
6796	498977.6	3733697	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
6797	498973.9	3733681	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
6798	498970.1	3733666	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
6799	498966.3	3733650	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
6800	498962.5	3733634	0.000148	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.75E-05	0.00E+00	0.00E+00
6801	498958.7	3733618	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
6802	498954.9	3733602	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
6803	498951.2	3733586	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
6804	498947.4	3733571	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
6805	498943.6	3733555	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
6806	498939.8	3733539	0.000136	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
6807	498936	3733523	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
6808	498932.2	3733507	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
6809	498928.5	3733491	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
6810	498924.7	3733476	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
6811	498920.9	3733460	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
6812	498917.1	3733444	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
6813	498913.3	3733428	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
6814	498909.5	3733412	0.000122	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6815	498905.7	3733397	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
6816	498902	3733381	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
6817	498898.2	3733365	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
6818	498894.4	3733349	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
6819	498890.6	3733333	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
6820	498886.8	3733317	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
6821	498883	3733302	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.55E-05	0.00E+00	0.00E+00
6822	499286.4	3734072	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
6823	499253.5	3734090	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
6824	499242.9	3734078	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
6825	499232.3	3734065	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.70E-05	0.00E+00	0.00E+00
6826	499221.7	3734053	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
6827	499211.1	3734040	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
6828	499200.5	3734028	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.03E-05	0.00E+00	0.00E+00

6829	499189.9	3734016	0.000274	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
6830	499179.3	3734003	0.000268	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.59E-05	0.00E+00	0.00E+00
6831	499168.7	3733991	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.37E-05	0.00E+00	0.00E+00
6832	499158.1	3733979	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.83E-05	8.16E-05	0.00E+00	0.00E+00
6833	499147.5	3733966	0.000248	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
6834	499136.9	3733954	0.000241	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
6835	499126.4	3733941	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
6836	499115.8	3733929	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
6837	499105.2	3733917	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
6838	499094.6	3733904	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.96E-05	0.00E+00	0.00E+00
6839	499084	3733892	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
6840	498956.8	3733743	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
6841	498949.6	3733729	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
6842	498945.8	3733713	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
6843	498942	3733698	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
6844	498938.2	3733682	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
6845	498934.5	3733666	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
6846	498930.7	3733650	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
6847	498926.9	3733634	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
6848	498923.1	3733618	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
6849	498919.3	3733603	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
6850	498915.5	3733587	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
6851	498911.7	3733571	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
6852	498907.9	3733555	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
6853	498904.2	3733539	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
6854	498900.4	3733523	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
6855	498896.6	3733507	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.00E-05	0.00E+00	0.00E+00
6856	498892.8	3733492	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
6857	498889	3733476	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
6858	498885.2	3733460	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
6859	498881.4	3733444	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
6860	498877.6	3733428	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.74E-05	0.00E+00	0.00E+00
6861	498873.9	3733412	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.70E-05	0.00E+00	0.00E+00
6862	498870.1	3733397	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
6863	498866.3	3733381	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
6864	498862.5	3733365	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.55E-05	0.00E+00	0.00E+00
6865	498858.7	3733349	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.51E-05	0.00E+00	0.00E+00
6866	498854.9	3733333	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
6867	498851.1	3733317	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
6868	498847.3	3733301	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
6869	499265.5	3734101	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
6870	499222	3734106	0.000295	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
6871	499211.4	3734094	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
6872	499200.8	3734082	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
6873	499190.2	3734069	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
6874	499179.6	3734057	0.00027	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
6875	499168.9	3734045	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.46E-05	0.00E+00	0.00E+00
6876	499158.3	3734032	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
6877	499147.7	3734020	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.05E-05	0.00E+00	0.00E+00
6878	499137.1	3734007	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
6879	499126.5	3733995	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.66E-05	0.00E+00	0.00E+00
6880	499115.9	3733983	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
6881	499105.3	3733970	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
6882	499094.7	3733958	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
6883	499084.1	3733945	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
6884	499073.5	3733933	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
6885	499062.9	3733921	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
6886	499052.3	3733908	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
6887	499041.7	3733896	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
6888	498917.8	3733746	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
6889	498914	3733730	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
6890	498910.2	3733714	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
6891	498906.4	3733698	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
6892	498902.6	3733682	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
6893	498898.8	3733666	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
6894	498895	3733650	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
6895	498891.2	3733635	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
6896	498887.5	3733619	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
6897	498883.7	3733603	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
6898	498879.9	3733587	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
6899	498876.1	3733571	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
6900	498872.3	3733555	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
6901	498868.5	3733539	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
6902	498864.7	3733523	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
6903	498860.9	3733508	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
6904	498857.1	3733492	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
6905	498853.3	3733476	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
6906	498849.5	3733460	0.000113	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
6907	498845.8	3733444	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
6908	498842	3733428	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
6909	498838.2	3733412	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
6910	498834.4	3733397	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
6911	498830.6	3733381	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
6912	498826.8	3733365	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
6913	498823	3733349	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
6914	498819.2	3733333	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
6915	498815.4	3733317	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
6916	498811.6	3733301	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
6917	499179.8	3734111	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
6918	499169.2	3734098	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
6919	499158.6	3734086	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
6920	499148	3734073	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
6921	499137.3	3734061	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
6922	499126.7	3734049	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
6923	499116.1	3734036	0.000236	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
6924	499105.5	3734024	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
6925	499094.9	3734011	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
6926	499084.3	3733999	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
6927	499073.6	3733987	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
6928	499063	3733974	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
6929	499052.4	3733962	0.000203	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
6930	499041.8	3733949	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
6931	499031.2	3733937	0.000192	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
6932	499020.6	3733925	0.000188	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.46E-04	0.00E+00	0.00E+00	2.83E-05	6.03E-05	0.00E+00	0.00E+00
6933	499010	3733912	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
6934	498999.3	3733900	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.68E-05	5.73E-05	0.00E+00	0.00E+00
6935	498882.2	3733746	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
6936	498878.4	3733730	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
6937	498874.6	3733714	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
6938	498870.8	3733698	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
6939	498867	3733682	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
6940	498863.2	3733666	0.000127	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.06E-05	0.00E+00	0.00E+00

6941	498859.4	3733651	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
6942	498855.6	3733635	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
6943	498851.8	3733619	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
6944	498848	3733603	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
6945	498844.2	3733587	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
6946	498840.4	3733571	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
6947	498836.6	3733555	0.000116	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
6948	498832.8	3733540	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
6949	498829	3733524	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
6950	498825.3	3733508	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
6951	498821.5	3733492	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
6952	498817.7	3733476	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
6953	498813.9	3733460	0.000108	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
6954	498810.1	3733444	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
6955	498806.3	3733428	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
6956	498802.5	3733413	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
6957	498798.7	3733397	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
6958	498794.9	3733381	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
6959	498791.1	3733365	9.99E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
6960	498787.3	3733349	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
6961	498783.5	3733333	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
6962	498779.7	3733317	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
6963	498775.9	3733301	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
6964	499190.7	3734177	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
6965	499180.1	3734164	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
6966	499127	3734102	0.000243	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.49E-04	0.00E+00	0.00E+00	3.66E-05	7.82E-05	0.00E+00	0.00E+00
6967	499116.4	3734090	0.000238	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
6968	499105.7	3734077	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
6969	499095.1	3734065	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
6970	499084.5	3734053	0.000222	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.12E-05	0.00E+00	0.00E+00
6971	499073.9	3734040	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
6972	499063.2	3734028	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
6973	499052.6	3734015	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
6974	499042	3734003	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
6975	499031.4	3733991	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
6976	499020.7	3733978	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
6977	499010.1	3733966	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
6978	498999.5	3733953	0.000182	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.35E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
6979	498988.9	3733941	0.000178	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
6980	498978.2	3733929	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
6981	498967.6	3733916	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
6982	498957	3733904	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
6983	498846.6	3733746	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
6984	498842.8	3733730	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
6985	498839	3733714	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
6986	498835.2	3733699	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
6987	498831.4	3733683	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
6988	498827.6	3733667	0.00012	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
6989	498823.8	3733651	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
6990	498820	3733635	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
6991	498816.2	3733619	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
6992	498812.4	3733603	0.000114	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.66E-05	0.00E+00	0.00E+00
6993	498808.6	3733587	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
6994	498804.8	3733571	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
6995	498801	3733556	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
6996	498797.2	3733540	0.000108	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
6997	498793.4	3733524	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
6998	498789.6	3733508	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
6999	498785.8	3733492	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
7000	498782	3733476	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
7001	498778.2	3733460	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
7002	498774.4	3733444	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
7003	498770.6	3733428	9.97E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
7004	498766.8	3733413	9.86E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.17E-05	0.00E+00	0.00E+00
7005	498763	3733397	9.74E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
7006	498759.2	3733381	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
7007	498755.4	3733365	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
7008	498751.6	3733349	9.4E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
7009	498747.8	3733333	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
7010	498744	3733317	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7011	498740.2	3733301	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
7012	499202.8	3734188	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
7013	499169.8	3734206	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.52E-05	0.00E+00	0.00E+00
7014	499159.2	3734193	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.92E-05	8.35E-05	0.00E+00	0.00E+00
7015	499148.5	3734181	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
7016	499137.9	3734168	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
7017	499127.3	3734156	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
7018	499063.5	3734082	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
7019	499052.8	3734069	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
7020	499042.2	3734057	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.56E-05	0.00E+00	0.00E+00
7021	499031.6	3734044	0.000199	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	3.00E-05	6.40E-05	0.00E+00	0.00E+00
7022	499020.9	3734032	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
7023	499010.3	3734019	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
7024	498999.7	3734007	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
7025	498989	3733995	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
7026	498978.4	3733982	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
7027	498967.8	3733970	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
7028	498957.1	3733957	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
7029	498946.5	3733945	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
7030	498935.9	3733932	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
7031	498810.9	3733746	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
7032	498807.1	3733731	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
7033	498803.3	3733715	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
7034	498799.5	3733699	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
7035	498795.7	3733683	0.000115	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
7036	498791.9	3733667	0.000113	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.70E-05	3.64E-05	0.00E+00	0.00E+00
7037	498788.1	3733651	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
7038	498784.3	3733635	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
7039	498780.5	3733619	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.65E-05	3.51E-05	0.00E+00	0.00E+00
7040	498776.7	3733603	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
7041	498772.9	3733587	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
7042	498769.1	3733572	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7043	498765.3	3733556	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
7044	498761.5	3733540	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
7045	498757.7	3733524	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
7046	498753.9	3733508	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
7047	498750.1	3733492	9.95E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.19E-05	0.00E+00	0.00E+00
7048	498746.3	3733476	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
7049	498742.5	3733460	9.72E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
7050	498738.7	3733444	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
7051	498734.9	3733428	9.5E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
7052	498731.1	3733413	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00

7053	498727.3	3733397	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
7054	498723.5	3733381	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7055	498719.7	3733365	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
7056	498715.9	3733349	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
7057	498712.1	3733333	8.87E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
7058	498708.3	3733317	8.76E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
7059	498704.5	3733301	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
7060	499181.8	3734217	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
7061	499599.9	3733540	0.000877	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
7062	499569.9	3733540	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
7063	499322.2	3733285	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
7064	499322.1	3733294	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
7065	499321.4	3733372	0.000276	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
7066	499321.3	3733382	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.19E-05	8.95E-05	0.00E+00	0.00E+00
7067	499321.3	3733392	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
7068	499321.2	3733401	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.26E-05	9.09E-05	0.00E+00	0.00E+00
7069	499321.1	3733411	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
7070	499321	3733421	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
7071	499320.9	3733431	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
7072	499320.8	3733440	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
7073	499320.7	3733450	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.42E-05	9.44E-05	0.00E+00	0.00E+00
7074	499320.6	3733460	0.000296	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.51E-05	0.00E+00	0.00E+00
7075	499320	3733528	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
7076	499319.9	3733538	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
7077	499282.2	3733284	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
7078	499282.2	3733294	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
7079	499281.4	3733372	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
7080	499281.3	3733382	0.00025	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
7081	499281.3	3733391	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
7082	499281.2	3733401	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.83E-05	8.16E-05	0.00E+00	0.00E+00
7083	499281.1	3733411	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
7084	499281	3733421	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
7085	499280.9	3733430	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.34E-05	0.00E+00	0.00E+00
7086	499280.8	3733440	0.000262	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.82E-04	0.00E+00	0.00E+00	3.94E-05	8.40E-05	0.00E+00	0.00E+00
7087	499280.7	3733450	0.000263	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
7088	499279.9	3733537	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.99E-05	0.00E+00	0.00E+00
7089	499242.2	3733284	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
7090	499242.2	3733294	0.000213	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
7091	499241.4	3733372	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
7092	499241.3	3733381	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
7093	499241.3	3733391	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
7094	499241.2	3733401	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
7095	499241.1	3733410	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
7096	499241	3733420	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
7097	499240.9	3733430	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
7098	499240.8	3733440	0.000236	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
7099	499240.7	3733449	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
7100	499240.1	3733518	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
7101	499239.9	3733537	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
7102	499202.2	3733284	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
7103	499202.2	3733293	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
7104	499201.5	3733361	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
7105	499201.4	3733371	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
7106	499201.4	3733381	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
7107	499201.3	3733391	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
7108	499201.2	3733400	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
7109	499201.1	3733410	0.000211	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
7110	499201	3733420	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
7111	499200.9	3733430	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.86E-05	0.00E+00	0.00E+00
7112	499200.8	3733439	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
7113	499200.7	3733449	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.94E-05	0.00E+00	0.00E+00
7114	499200.5	3733469	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
7115	499199.9	3733537	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
7116	499162.2	3733283	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
7117	499162.2	3733293	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
7118	499161.5	3733361	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
7119	499161.4	3733371	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
7120	499161.4	3733381	0.000189	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
7121	499161.3	3733390	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
7122	499161.2	3733400	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.15E-05	0.00E+00	0.00E+00
7123	499161.1	3733410	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
7124	499161	3733419	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
7125	499160.9	3733429	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
7126	499160.8	3733439	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
7127	499160.7	3733449	0.000198	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.35E-05	0.00E+00	0.00E+00
7128	499160.5	3733468	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
7129	499159.9	3733536	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
7130	499122.2	3733283	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
7131	499122.2	3733293	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.30E-05	0.00E+00	0.00E+00
7132	499121.5	3733361	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
7133	499121.4	3733370	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
7134	499121.4	3733380	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
7135	499121.3	3733390	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.63E-05	0.00E+00	0.00E+00
7136	499121.2	3733400	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
7137	499121.1	3733409	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
7138	499121	3733419	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
7139	499120.9	3733429	0.000179	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
7140	499120.8	3733439	0.00018	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.79E-05	0.00E+00	0.00E+00
7141	499120.7	3733448	0.000181	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
7142	499120.6	3733458	0.000183	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
7143	499120	3733526	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
7144	499119.9	3733536	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
7145	499082.2	3733282	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
7146	499082.2	3733292	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
7147	499082.1	3733302	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
7148	499081.6	3733351	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
7149	499081.4	3733370	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
7150	499081.4	3733380	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
7151	499081.3	3733390	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
7152	499081.2	3733399	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
7153	499081.1	3733409	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
7154	499081	3733419	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
7155	499080.9	3733428	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
7156	499080.8	3733438	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
7157	499080.7	3733448	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
7158	499080.6	3733458	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.41E-05	0.00E+00	0.00E+00
7159	499080	3733526	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
7160	499079.9	3733536	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
7161	499042.2	3733282	0.000141	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
7162	499042.2	3733292	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
7163	499042.1	3733302	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
7164	499041.4	3733370	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00

7165	499041.4	3733379	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
7166	499041.3	3733389	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
7167	499041.2	3733399	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
7168	499041.1	3733409	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
7169	499041	3733418	0.000153	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
7170	499040.9	3733428	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
7171	499040.8	3733438	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
7172	499040.7	3733448	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
7173	499040.6	3733457	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
7174	499040	3733525	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
7175	499039.9	3733535	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
7176	499002.3	3733282	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
7177	499002.2	3733291	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
7178	499002.1	3733301	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
7179	499001.4	3733369	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
7180	499001.4	3733379	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
7181	499001.3	3733389	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
7182	499001.2	3733399	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
7183	499001.1	3733408	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
7184	499001	3733418	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
7185	499000.9	3733428	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
7186	499000.8	3733437	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
7187	499000.7	3733447	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
7188	499000.6	3733457	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
7189	498999.9	3733535	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
7190	498962.3	3733281	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
7191	498962.2	3733291	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
7192	498962.1	3733301	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
7193	498961.4	3733369	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
7194	498961.4	3733379	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
7195	498961.3	3733388	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
7196	498961.2	3733398	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
7197	498961.1	3733408	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
7198	498961	3733418	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
7199	498960.9	3733427	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
7200	498960.8	3733437	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
7201	498960.1	3733515	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
7202	498960	3733525	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
7203	498959.9	3733534	0.00014	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.59E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
7204	498926.5	3733281	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
7205	498926.5	3733291	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.77E-05	3.77E-05	0.00E+00	0.00E+00
7206	498925.8	3733359	0.000122	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
7207	498925.6	3733378	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.94E-05	0.00E+00	0.00E+00
7208	498925.6	3733388	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
7209	498925.5	3733398	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.98E-05	0.00E+00	0.00E+00
7210	498925.4	3733408	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
7211	498925.3	3733417	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
7212	498925.2	3733427	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
7213	498925.1	3733437	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
7214	498924.4	3733515	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
7215	498924.3	3733524	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
7216	498924.2	3733534	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
7217	498890.8	3733281	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
7218	498890.7	3733290	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
7219	498890.1	3733359	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
7220	498889.9	3733378	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
7221	498889.8	3733388	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
7222	498889.8	3733398	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
7223	498889.7	3733407	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
7224	498889.6	3733417	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
7225	498889.5	3733427	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
7226	498889.4	3733436	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.79E-05	3.83E-05	0.00E+00	0.00E+00
7227	498888.7	3733514	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
7228	498888.6	3733524	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
7229	498888.5	3733534	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
7230	498855.1	3733280	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
7231	498855	3733290	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7232	498854.4	3733358	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
7233	498854.2	3733378	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.53E-05	0.00E+00	0.00E+00
7234	498854.1	3733387	0.00011	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
7235	498854	3733397	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
7236	498854	3733407	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
7237	498853.9	3733417	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
7238	498853.8	3733426	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
7239	498853.7	3733436	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
7240	498853	3733514	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
7241	498852.9	3733524	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
7242	498852.8	3733534	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
7243	498819.4	3733280	9.99E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
7244	498819.3	3733290	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
7245	498818.7	3733358	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
7246	498818.5	3733377	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
7247	498818.4	3733387	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
7248	498818.3	3733397	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
7249	498818.2	3733407	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7250	498818.2	3733416	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
7251	498818.1	3733426	0.000107	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
7252	498818	3733436	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
7253	498817.3	3733514	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
7254	498817.2	3733523	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
7255	498817.1	3733533	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
7256	498783.7	3733280	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
7257	498783.6	3733289	9.56E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
7258	498783.4	3733309	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
7259	498783	3733358	9.85E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
7260	498782.8	3733377	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
7261	498782.7	3733387	9.97E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
7262	498782.6	3733397	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
7263	498782.5	3733406	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
7264	498782.4	3733416	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
7265	498782.4	3733426	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.25E-05	0.00E+00	0.00E+00
7266	498782.3	3733435	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
7267	498781.5	3733513	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
7268	498781.5	3733523	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
7269	498781.4	3733533	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
7270	498748	3733279	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
7271	498747.9	3733289	9.11E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
7272	498747.7	3733309	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7273	498747.3	3733357	9.38E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
7274	498747.1	3733377	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
7275	498747	3733386	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
7276	498746.9	3733396	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00

7277	498746.8	3733406	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
7278	498746.7	3733416	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
7279	498746.6	3733425	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
7280	498746.5	3733435	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
7281	498745.9	3733503	9.94E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.19E-05	0.00E+00	0.00E+00
7282	498745.8	3733513	9.97E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
7283	498745.7	3733523	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
7284	498745.7	3733533	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
7285	498712.3	3733279	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
7286	498712.2	3733289	8.7E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
7287	498712	3733308	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
7288	498711.5	3733357	8.95E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
7289	498711.4	3733376	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
7290	498711.3	3733386	9.05E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
7291	498711.2	3733396	9.09E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
7292	498711.1	3733406	9.12E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
7293	498711	3733415	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
7294	498710.9	3733425	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
7295	498710.8	3733435	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
7296	498710.7	3733445	9.26E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
7297	498710.7	3733454	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
7298	498710.6	3733464	9.33E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	3.00E-05	0.00E+00	0.00E+00
7299	498710.5	3733474	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
7300	498710.4	3733484	9.4E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
7301	498710.3	3733493	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
7302	498710.2	3733503	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
7303	498710.1	3733513	9.5E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
7304	498710	3733522	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.06E-05	0.00E+00	0.00E+00
7305	498709.9	3733532	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
7306	499850.4	3733769	0.001926	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
7307	499841.3	3733765	0.001909	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.87E-04	6.13E-04	0.00E+00	0.00E+00
7308	499832.3	3733761	0.001888	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.48E-03	0.00E+00	0.00E+00	2.84E-04	6.06E-04	0.00E+00	0.00E+00
7309	499859.4	3733773	0.001939	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.57E-03	0.00E+00	0.00E+00	2.92E-04	6.23E-04	0.00E+00	0.00E+00
7310	499869.3	3733773	0.001976	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.64E-03	0.00E+00	0.00E+00	2.97E-04	6.34E-04	0.00E+00	0.00E+00
7311	499879.1	3733773	0.00201	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	3.70E-03	0.00E+00	0.00E+00	3.03E-04	6.45E-04	0.00E+00	0.00E+00
7312	499888.9	3733773	0.002041	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	3.76E-03	0.00E+00	0.00E+00	3.07E-04	6.55E-04	0.00E+00	0.00E+00
7313	499898.7	3733773	0.002069	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	3.81E-03	0.00E+00	0.00E+00	3.12E-04	6.65E-04	0.00E+00	0.00E+00
7314	499908.6	3733773	0.002095	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.86E-03	0.00E+00	0.00E+00	3.15E-04	6.73E-04	0.00E+00	0.00E+00
7315	499918.4	3733773	0.002117	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	3.90E-03	0.00E+00	0.00E+00	3.19E-04	6.80E-04	0.00E+00	0.00E+00
7316	499928.2	3733773	0.002136	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.94E-03	0.00E+00	0.00E+00	3.22E-04	6.86E-04	0.00E+00	0.00E+00
7317	499938	3733773	0.002151	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	3.96E-03	0.00E+00	0.00E+00	3.24E-04	6.91E-04	0.00E+00	0.00E+00
7318	499947.9	3733773	0.002163	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	3.99E-03	0.00E+00	0.00E+00	3.26E-04	6.95E-04	0.00E+00	0.00E+00
7319	499957.7	3733773	0.002171	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
7320	499967.5	3733773	0.002175	4.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.01E-03	0.00E+00	0.00E+00	3.27E-04	6.98E-04	0.00E+00	0.00E+00
7321	499977.3	3733773	0.002176	4.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	4.01E-03	0.00E+00	0.00E+00	3.28E-04	6.99E-04	0.00E+00	0.00E+00
7322	499987.2	3733773	0.002173	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.98E-04	0.00E+00	0.00E+00
7323	499997	3733773	0.002166	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	3.99E-03	0.00E+00	0.00E+00	3.26E-04	6.96E-04	0.00E+00	0.00E+00
7324	500006.8	3733773	0.002155	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	3.97E-03	0.00E+00	0.00E+00	3.25E-04	6.92E-04	0.00E+00	0.00E+00
7325	500016.6	3733773	0.002141	3.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.95E-03	0.00E+00	0.00E+00	3.22E-04	6.88E-04	0.00E+00	0.00E+00
7326	500026.5	3733773	0.002124	3.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	3.91E-03	0.00E+00	0.00E+00	3.20E-04	6.82E-04	0.00E+00	0.00E+00
7327	500036.3	3733773	0.002103	3.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	3.88E-03	0.00E+00	0.00E+00	3.17E-04	6.75E-04	0.00E+00	0.00E+00
7328	500046.1	3733773	0.002079	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	3.83E-03	0.00E+00	0.00E+00	3.13E-04	6.67E-04	0.00E+00	0.00E+00
7329	500055.9	3733773	0.002051	3.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	3.78E-03	0.00E+00	0.00E+00	3.09E-04	6.59E-04	0.00E+00	0.00E+00
7330	500065.8	3733773	0.00202	3.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	3.72E-03	0.00E+00	0.00E+00	3.04E-04	6.49E-04	0.00E+00	0.00E+00
7331	500075.6	3733773	0.001987	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	3.66E-03	0.00E+00	0.00E+00	2.99E-04	6.38E-04	0.00E+00	0.00E+00
7332	500085.4	3733773	0.001951	3.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.60E-03	0.00E+00	0.00E+00	2.94E-04	6.26E-04	0.00E+00	0.00E+00
7333	500095.2	3733773	0.001912	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.88E-04	6.14E-04	0.00E+00	0.00E+00
7334	500105.1	3733773	0.001871	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.01E-04	0.00E+00	0.00E+00
7335	500114.9	3733773	0.001828	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.37E-03	0.00E+00	0.00E+00	2.75E-04	5.87E-04	0.00E+00	0.00E+00
7336	500124.7	3733773	0.001783	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.29E-03	0.00E+00	0.00E+00	2.68E-04	5.73E-04	0.00E+00	0.00E+00
7337	500134.5	3733773	0.001737	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.61E-04	5.58E-04	0.00E+00	0.00E+00
7338	500144.3	3733773	0.001689	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.42E-04	0.00E+00	0.00E+00
7339	500154.2	3733773	0.00164	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.02E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
7340	500164	3733773	0.001591	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.40E-04	5.11E-04	0.00E+00	0.00E+00
7341	500173.8	3733773	0.001542	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
7342	500183.6	3733773	0.001492	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.79E-04	0.00E+00	0.00E+00
7343	499850.6	3733799	0.001762	3.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.25E-03	0.00E+00	0.00E+00	2.65E-04	5.66E-04	0.00E+00	0.00E+00
7344	499841.8	3733795	0.00175	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.62E-04	0.00E+00	0.00E+00
7345	499833	3733792	0.001736	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.61E-04	5.58E-04	0.00E+00	0.00E+00
7346	499824.3	3733788	0.00172	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
7347	499815.5	3733784	0.001701	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.13E-03	0.00E+00	0.00E+00	2.56E-04	5.46E-04	0.00E+00	0.00E+00
7348	499806.7	3733781	0.001679	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.09E-03	0.00E+00	0.00E+00	2.53E-04	5.39E-04	0.00E+00	0.00E+00
7349	499797.9	3733777	0.001655	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
7350	499789.2	3733773	0.001629	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
7351	499780.4	3733770	0.001601	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
7352	499771.6	3733766	0.001571	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
7353	499762.8	3733762	0.001539	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.94E-04	0.00E+00	0.00E+00
7354	499754	3733759	0.001506	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.84E-04	0.00E+00	0.00E+00
7355	499745.3	3733755	0.001472	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
7356	499635.7	3733629	0.001048	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
7357	499632.1	3733620	0.001032	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.32E-04	0.00E+00	0.00E+00
7358	499628.5	3733611	0.001016	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
7359	499624.9	3733602	0.000999	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.21E-04	0.00E+00	0.00E+00
7360	499621.4	3733593	0.000982	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
7361	499859.4	3733803	0.00177	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.26E-03	0.00E+00	0.00E+00	2.67E-04	5.69E-04	0.00E+00	0.00E+00
7362	499869.2	3733803	0.001799	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
7363	499879	3733803	0.001825	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.36E-03	0.00E+00	0.00E+00	2.75E-04	5.86E-04	0.00E+00	0.00E+00
7364	499888.9	3733803	0.00185	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.41E-03	0.00E+00	0.00E+00	2.78E-04	5.94E-04	0.00E+00	0.00E+00
7365	499898.7	3733803	0.001871	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.01E-04	0.00E+00	0.00E+00
7366	499908.5	3733803	0.001891	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.48E-03	0.00E+00	0.00E+00	2.85E-04	6.07E-04	0.00E+00	0.00E+00
7367	499918.3	3733803	0.001907	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.87E-04	6.12E-04	0.00E+00	0.00E+00
7368	499928.2	3733803	0.001921	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.54E-03	0.00E+00	0.00E+00	2.89E-04	6.17E-04	0.00E+00	0.00E+00
7369	499938	3733803	0.001932	3.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	3.56E-03	0.00E+00	0.00E+00	2.91E-04	6.20E-04	0.00E+00	0.00E+00
7370	499947.8	3733803	0.00194	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.58E-03	0.00E+00	0.00E+00	2.92E-04	6.23E-04	0.00E+00	0.00E+00
7371	499957.6	3733803	0.001945	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.58E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
7372	499967.4	3733803	0.001947	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
7373	499977.3	3733803	0.001946	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	3.59E-03	0.00E+00	0.00E+00	2.93E-04	6.25E-04	0.00E+00	0.00E+00
7374	499987.1	3733803	0.001942	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	3.58E-03	0.00E+00	0.00E+00	2.92E-04	6.24E-04	0.00E+00	0.00E+00
7375	499996.9	3733803	0.001935	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	3.57E-03	0.00E+00	0.00E+00	2.91E-04	6.21E-04	0.00E+00	0.00E+00
7376	500006.7	3733803	0.001925	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	3.55E-03	0.00E+00	0.00E+00	2.90E-04	6.18E-04	0.00E+00	0.00E+00
7377	500016.6	3733803	0.001912	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	3.52E-03	0.00E+00	0.00E+00	2.88E-04	6.14E-04	0.00E+00	0.00E+00
7378	500026.4	3733803	0.001896	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.09E-04	0.00E+00	0.00E+00
7379	500036.2	3733803	0.001878	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	3.46E-03	0.00E+00	0.00E+00	2.83E-04	6.03E-04	0.00E+00	0.00E+00
7380	500046	3733803	0.001856	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.42E-03	0.00E+00	0.00E+00	2.80E-04	5.96E-04	0.00E+00	0.00E+00
7381	500055.9	3733803	0.001833	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.38E-03	0.00E+00	0.00E+00	2.76E-04	5.89E-04	0.00E+00	0.00E+00
7382	500065.7	3733803	0.001807	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.80E-04	0.00E+00	0.00E+00
7383	500075.5	3733803	0.001778	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	3.28E-03	0.00E+00	0.00E+00	2.68E-04	5.71E-04	0.00E+00	0.00E+00
7384	500085.3	3733803	0.001747	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
7385	500095.2	3733803	0.001715	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.51E-04	0.00E+00	0.00E+00
7386	500105	3733803	0.001681	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	3.10E-03	0.00E+00	0.00E+00	2.53E-04	5.40E-04	0.00E+00	0.00E+00
7387	500114.8	3733803	0.001645	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.48E-04	5.28E-04	0.00E+00	0.00E+00
7388	500124.6	3733803	0.001607	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.96E-03	0.00E+00	0.00E+00	2.42E-04	5.16E-04	0.00E+00	0.00E+00

7389	500134.5	3733803	0.001569	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
7390	500144.3	3733803	0.001529	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.91E-04	0.00E+00	0.00E+00
7391	500154.1	3733803	0.001489	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.78E-04	0.00E+00	0.00E+00
7392	500163.9	3733803	0.001448	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7393	500173.8	3733803	0.001407	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.59E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
7394	500183.6	3733803	0.001366	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
7395	499850.4	3733829	0.001618	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
7396	499841.4	3733825	0.00161	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.97E-03	0.00E+00	0.00E+00	2.42E-04	5.17E-04	0.00E+00	0.00E+00
7397	499832.5	3733822	0.0016	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
7398	499823.6	3733818	0.001588	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
7399	499814.6	3733814	0.001573	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.90E-03	0.00E+00	0.00E+00	2.37E-04	5.05E-04	0.00E+00	0.00E+00
7400	499805.7	3733810	0.001556	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.34E-04	5.00E-04	0.00E+00	0.00E+00
7401	499796.7	3733807	0.001537	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.83E-03	0.00E+00	0.00E+00	2.31E-04	4.94E-04	0.00E+00	0.00E+00
7402	499787.8	3733803	0.001516	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.87E-04	0.00E+00	0.00E+00
7403	499778.9	3733799	0.001494	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
7404	499769.9	3733795	0.001469	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.21E-04	4.72E-04	0.00E+00	0.00E+00
7405	499761	3733792	0.001443	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
7406	499752	3733788	0.001415	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.61E-03	0.00E+00	0.00E+00	2.13E-04	4.55E-04	0.00E+00	0.00E+00
7407	499743.1	3733784	0.001387	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
7408	499734.2	3733780	0.001357	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.04E-04	4.36E-04	0.00E+00	0.00E+00
7409	499725.2	3733777	0.001326	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.44E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
7410	499716.3	3733773	0.001294	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
7411	499707.3	3733769	0.001262	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
7412	499698.4	3733765	0.001229	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7413	499689.5	3733762	0.001197	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
7414	499680.5	3733758	0.001164	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
7415	499635.5	3733702	0.001023	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7416	499631.8	3733693	0.001012	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
7417	499628.2	3733684	0.001001	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
7418	499624.6	3733675	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7419	499620.9	3733666	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7420	499617.3	3733657	0.000962	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
7421	499613.6	3733648	0.000949	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7422	499610	3733639	0.000935	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
7423	499606.3	3733630	0.00092	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
7424	499602.7	3733621	0.000905	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7425	499580.8	3733567	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
7426	499577.2	3733558	0.000797	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
7427	499573.6	3733549	0.000781	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
7428	499859.3	3733833	0.001623	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.21E-04	0.00E+00	0.00E+00
7429	499869.1	3733833	0.001646	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.03E-03	0.00E+00	0.00E+00	2.48E-04	5.29E-04	0.00E+00	0.00E+00
7430	499879	3733833	0.001667	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.35E-04	0.00E+00	0.00E+00
7431	499888.8	3733833	0.001685	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.41E-04	0.00E+00	0.00E+00
7432	499898.6	3733833	0.001702	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	3.14E-03	0.00E+00	0.00E+00	2.56E-04	5.47E-04	0.00E+00	0.00E+00
7433	499908.4	3733833	0.001717	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.16E-03	0.00E+00	0.00E+00	2.58E-04	5.51E-04	0.00E+00	0.00E+00
7434	499918.3	3733833	0.001729	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.19E-03	0.00E+00	0.00E+00	2.60E-04	5.55E-04	0.00E+00	0.00E+00
7435	499928.1	3733833	0.001739	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
7436	499937.9	3733833	0.001747	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
7437	499947.7	3733833	0.001752	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.63E-04	0.00E+00	0.00E+00
7438	499957.6	3733833	0.001755	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.64E-04	0.00E+00	0.00E+00
7439	499967.4	3733833	0.001755	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	3.24E-03	0.00E+00	0.00E+00	2.64E-04	5.64E-04	0.00E+00	0.00E+00
7440	499977.2	3733833	0.001753	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.23E-03	0.00E+00	0.00E+00	2.64E-04	5.63E-04	0.00E+00	0.00E+00
7441	499987	3733833	0.001748	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
7442	499996.9	3733833	0.001741	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.21E-03	0.00E+00	0.00E+00	2.62E-04	5.59E-04	0.00E+00	0.00E+00
7443	500006.7	3733833	0.001732	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.19E-03	0.00E+00	0.00E+00	2.61E-04	5.56E-04	0.00E+00	0.00E+00
7444	500016.5	3733833	0.00172	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
7445	500026.3	3733833	0.001706	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.14E-03	0.00E+00	0.00E+00	2.57E-04	5.48E-04	0.00E+00	0.00E+00
7446	500036.2	3733833	0.00169	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.43E-04	0.00E+00	0.00E+00
7447	500046	3733833	0.001671	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	3.08E-03	0.00E+00	0.00E+00	2.52E-04	5.37E-04	0.00E+00	0.00E+00
7448	500055.8	3733833	0.001651	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.04E-03	0.00E+00	0.00E+00	2.49E-04	5.30E-04	0.00E+00	0.00E+00
7449	500065.6	3733833	0.001628	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.00E-03	0.00E+00	0.00E+00	2.45E-04	5.23E-04	0.00E+00	0.00E+00
7450	500075.5	3733833	0.001603	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.96E-03	0.00E+00	0.00E+00	2.41E-04	5.15E-04	0.00E+00	0.00E+00
7451	500085.3	3733833	0.001577	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.07E-04	0.00E+00	0.00E+00
7452	500095.1	3733833	0.00155	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.33E-04	4.98E-04	0.00E+00	0.00E+00
7453	500104.9	3733833	0.001521	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
7454	500114.8	3733833	0.001491	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.24E-04	4.79E-04	0.00E+00	0.00E+00
7455	500124.6	3733833	0.001459	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.69E-04	0.00E+00	0.00E+00
7456	500134.4	3733833	0.001427	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.58E-04	0.00E+00	0.00E+00
7457	500144.2	3733833	0.001394	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
7458	500154.1	3733833	0.00136	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.37E-04	0.00E+00	0.00E+00
7459	500163.9	3733833	0.001326	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.44E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
7460	500173.7	3733833	0.001291	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.15E-04	0.00E+00	0.00E+00
7461	500183.5	3733833	0.001256	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
7462	499850.5	3733859	0.001492	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.79E-04	0.00E+00	0.00E+00
7463	499841.8	3733855	0.001487	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.77E-04	0.00E+00	0.00E+00
7464	499833.1	3733852	0.00148	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.75E-04	0.00E+00	0.00E+00
7465	499824.4	3733848	0.001472	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.71E-03	0.00E+00	0.00E+00	2.22E-04	4.73E-04	0.00E+00	0.00E+00
7466	499815.6	3733844	0.001462	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.20E-04	4.69E-04	0.00E+00	0.00E+00
7467	499806.9	3733841	0.001449	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7468	499798.2	3733837	0.001436	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.16E-04	4.61E-04	0.00E+00	0.00E+00
7469	499789.4	3733834	0.00142	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
7470	499780.7	3733830	0.001403	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.59E-03	0.00E+00	0.00E+00	2.11E-04	4.51E-04	0.00E+00	0.00E+00
7471	499772	3733826	0.001384	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.45E-04	0.00E+00	0.00E+00
7472	499763.3	3733823	0.001364	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
7473	499754.5	3733819	0.001343	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.48E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
7474	499745.8	3733815	0.00132	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
7475	499737.1	3733812	0.001296	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
7476	499728.4	3733808	0.001272	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
7477	499719.6	3733804	0.001246	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00
7478	499710.9	3733801	0.00122	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7479	499702.2	3733797	0.001193	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.83E-04	0.00E+00	0.00E+00
7480	499693.5	3733793	0.001165	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
7481	499684.7	3733790	0.001138	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7482	499676	3733786	0.00111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7483	499667.3	3733782	0.001082	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7484	499658.5	3733779	0.001054	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.38E-04	0.00E+00	0.00E+00
7485	499649.8	3733775	0.001026	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7486	499641.1	3733771	0.000998	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
7487	499628.8	3733759	0.000964	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
7488	499625.3	3733750	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7489	499621.7	3733741	0.000949	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7490	499618.1	3733733	0.000941	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
7491	499614.6	3733724	0.000933	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7492	499611	3733715	0.000923	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
7493	499607.5	3733706	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.38E-04	2.93E-04	0.00E+00	0.00E+00
7494	499603.9	3733698	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
7495	499600.4	3733689	0.000892	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
7496	499596.8	3733680	0.000881	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-04	1.62E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
7497	499593.2	3733671	0.000869	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
7498	499589.7	3733663	0.000857	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
7499	499586.1	3733654	0.000845	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
7500	499582.6	3733645	0.000833	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00

7501	499575.5	3733627	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
7502	499557.7	3733584	0.00074	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.38E-04	0.00E+00	0.00E+00
7503	499554.1	3733575	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
7504	499550.6	3733566	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
7505	499547	3733557	0.000699	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
7506	499859.3	3733863	0.001494	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	2.75E-03	0.00E+00	0.00E+00	2.25E-04	4.80E-04	0.00E+00	0.00E+00
7507	499869.1	3733863	0.001512	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
7508	499878.9	3733863	0.001529	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.91E-04	0.00E+00	0.00E+00
7509	499888.7	3733863	0.001543	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.96E-04	0.00E+00	0.00E+00
7510	499898.6	3733863	0.001556	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.34E-04	5.00E-04	0.00E+00	0.00E+00
7511	499908.4	3733863	0.001567	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.03E-04	0.00E+00	0.00E+00
7512	499918.2	3733863	0.001576	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.37E-04	5.06E-04	0.00E+00	0.00E+00
7513	499928	3733863	0.001584	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.92E-03	0.00E+00	0.00E+00	2.38E-04	5.09E-04	0.00E+00	0.00E+00
7514	499937.9	3733863	0.001589	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
7515	499947.7	3733863	0.001592	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.40E-04	5.11E-04	0.00E+00	0.00E+00
7516	499957.5	3733863	0.001593	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.12E-04	0.00E+00	0.00E+00
7517	499967.3	3733863	0.001592	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.11E-04	0.00E+00	0.00E+00
7518	499977.2	3733863	0.001589	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.93E-03	0.00E+00	0.00E+00	2.39E-04	5.10E-04	0.00E+00	0.00E+00
7519	499987	3733863	0.001585	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.92E-03	0.00E+00	0.00E+00	2.39E-04	5.09E-04	0.00E+00	0.00E+00
7520	499996.8	3733863	0.001578	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.38E-04	5.07E-04	0.00E+00	0.00E+00
7521	500006.6	3733863	0.001569	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
7522	500016.5	3733863	0.001558	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.35E-04	5.00E-04	0.00E+00	0.00E+00
7523	500026.3	3733863	0.001545	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.85E-03	0.00E+00	0.00E+00	2.33E-04	4.96E-04	0.00E+00	0.00E+00
7524	500036.1	3733863	0.001531	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.92E-04	0.00E+00	0.00E+00
7525	500045.9	3733863	0.001515	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
7526	500055.8	3733863	0.001497	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.25E-04	4.81E-04	0.00E+00	0.00E+00
7527	500065.6	3733863	0.001477	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.72E-03	0.00E+00	0.00E+00	2.22E-04	4.74E-04	0.00E+00	0.00E+00
7528	500075.4	3733863	0.001456	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.68E-04	0.00E+00	0.00E+00
7529	500085.2	3733863	0.001434	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.16E-04	4.60E-04	0.00E+00	0.00E+00
7530	500095	3733863	0.00141	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.53E-04	0.00E+00	0.00E+00
7531	500104.9	3733863	0.001385	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.55E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
7532	500114.7	3733863	0.00136	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.37E-04	0.00E+00	0.00E+00
7533	500124.5	3733863	0.001333	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7534	500134.3	3733863	0.001306	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.19E-04	0.00E+00	0.00E+00
7535	500144.2	3733863	0.001277	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.10E-04	0.00E+00	0.00E+00
7536	500154	3733863	0.001249	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.01E-04	0.00E+00	0.00E+00
7537	500163.8	3733863	0.00122	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7538	500173.6	3733863	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7539	500183.5	3733863	0.001161	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.73E-04	0.00E+00	0.00E+00
7540	499850.3	3733889	0.00138	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
7541	499841.5	3733885	0.001377	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
7542	499832.6	3733882	0.001373	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
7543	499823.8	3733878	0.001367	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.52E-03	0.00E+00	0.00E+00	2.06E-04	4.39E-04	0.00E+00	0.00E+00
7544	499814.9	3733874	0.001359	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.50E-03	0.00E+00	0.00E+00	2.05E-04	4.36E-04	0.00E+00	0.00E+00
7545	499806	3733870	0.00135	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.49E-03	0.00E+00	0.00E+00	2.03E-04	4.33E-04	0.00E+00	0.00E+00
7546	499797.2	3733867	0.001339	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.30E-04	0.00E+00	0.00E+00
7547	499788.3	3733863	0.001327	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
7548	499779.4	3733859	0.001313	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.98E-04	4.22E-04	0.00E+00	0.00E+00
7549	499770.6	3733856	0.001298	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.17E-04	0.00E+00	0.00E+00
7550	499761.7	3733852	0.001281	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7551	499752.8	3733848	0.001264	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
7552	499744	3733845	0.001245	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	4.00E-04	0.00E+00	0.00E+00
7553	499735.1	3733841	0.001225	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7554	499726.3	3733837	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7555	499717.4	3733833	0.001182	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
7556	499708.5	3733830	0.001159	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.74E-04	3.72E-04	0.00E+00	0.00E+00
7557	499699.7	3733826	0.001136	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7558	499690.8	3733822	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7559	499681.9	3733819	0.001087	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7560	499673.1	3733815	0.001063	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
7561	499664.2	3733811	0.001038	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7562	499655.3	3733807	0.001013	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
7563	499646.5	3733804	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7564	499637.6	3733800	0.000962	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
7565	499628.8	3733796	0.000937	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
7566	499619.9	3733793	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
7567	499607.4	3733780	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
7568	499603.8	3733771	0.000876	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
7569	499600.2	3733762	0.000868	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	1.60E-03	0.00E+00	0.00E+00	1.31E-04	2.79E-04	0.00E+00	0.00E+00
7570	499596.6	3733753	0.000861	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
7571	499593	3733744	0.000853	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
7572	499589.4	3733735	0.000844	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
7573	499585.8	3733727	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
7574	499582.1	3733718	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
7575	499578.5	3733709	0.000816	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
7576	499574.9	3733700	0.000806	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
7577	499567.7	3733682	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
7578	499564.1	3733673	0.000774	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
7579	499560.5	3733664	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
7580	499556.9	3733655	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7581	499535.2	3733602	0.00068	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
7582	499531.6	3733593	0.000667	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
7583	499528	3733584	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
7584	499524.4	3733575	0.000643	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	1.19E-03	0.00E+00	0.00E+00	9.68E-05	2.06E-04	0.00E+00	0.00E+00
7585	499520.7	3733566	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
7586	499859.2	3733893	0.001381	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
7587	499869	3733893	0.001395	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
7588	499878.9	3733893	0.001408	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.59E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
7589	499888.7	3733893	0.001419	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
7590	499898.5	3733893	0.001429	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
7591	499908.3	3733893	0.001437	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.16E-04	4.62E-04	0.00E+00	0.00E+00
7592	499918.1	3733893	0.001444	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.64E-04	0.00E+00	0.00E+00
7593	499928	3733893	0.001449	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7594	499937.8	3733893	0.001453	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.66E-04	0.00E+00	0.00E+00
7595	499947.6	3733893	0.001454	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
7596	499957.4	3733893	0.001454	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
7597	499967.3	3733893	0.001453	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.68E-03	0.00E+00	0.00E+00	2.19E-04	4.67E-04	0.00E+00	0.00E+00
7598	499977.1	3733893	0.001449	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
7599	499986.9	3733893	0.001444	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.64E-04	0.00E+00	0.00E+00
7600	499996.7	3733893	0.001437	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.65E-03	0.00E+00	0.00E+00	2.16E-04	4.62E-04	0.00E+00	0.00E+00
7601	500006.6	3733893	0.001429	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
7602	500016.4	3733893	0.001419	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
7603	500026.2	3733893	0.001408	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
7604	500036	3733893	0.001395	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.48E-04	0.00E+00	0.00E+00
7605	500045.9	3733893	0.001381	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
7606	500055.7	3733893	0.001365	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.52E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
7607	500065.5	3733893	0.001348	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.48E-03	0.00E+00	0.00E+00	2.03E-04	4.33E-04	0.00E+00	0.00E+00
7608	500075.3	3733893	0.00133	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
7609	500085.2	3733893	0.00131	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.97E-04	4.21E-04	0.00E+00	0.00E+00
7610	500095	3733893	0.00129	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.14E-04	0.00E+00	0.00E+00
7611	500104.8	3733893	0.001269	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
7612	500114.6	3733893	0.001247	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.30E-03	0.00E+00	0.00E+00	1.88E-04	4.00E-04	0.00E+00	0.00E+00

7613	500124.5	3733893	0.001224	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7614	500134.3	3733893	0.0012	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
7615	500144.1	3733893	0.001176	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
7616	500153.9	3733893	0.001152	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.70E-04	0.00E+00	0.00E+00
7617	500163.8	3733893	0.001127	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
7618	500173.6	3733893	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7619	500183.4	3733893	0.001076	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
7620	499850.2	3733919	0.00128	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7621	499841.2	3733915	0.001279	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7622	499832.2	3733911	0.001276	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.10E-04	0.00E+00	0.00E+00
7623	499823.2	3733908	0.001272	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
7624	499814.2	3733904	0.001267	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.33E-03	0.00E+00	0.00E+00	1.91E-04	4.07E-04	0.00E+00	0.00E+00
7625	499805.3	3733900	0.00126	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.90E-04	4.05E-04	0.00E+00	0.00E+00
7626	499796.3	3733896	0.001252	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.88E-04	4.02E-04	0.00E+00	0.00E+00
7627	499787.3	3733893	0.001242	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	3.99E-04	0.00E+00	0.00E+00
7628	499778.3	3733889	0.001231	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7629	499769.3	3733885	0.001219	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
7630	499760.3	3733881	0.001205	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7631	499751.4	3733878	0.001191	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7632	499742.4	3733874	0.001175	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
7633	499733.4	3733870	0.001158	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.13E-03	0.00E+00	0.00E+00	1.74E-04	3.72E-04	0.00E+00	0.00E+00
7634	499724.4	3733866	0.00114	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
7635	499715.4	3733863	0.001122	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
7636	499706.5	3733859	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7637	499697.5	3733855	0.001082	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7638	499688.5	3733851	0.001061	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
7639	499679.5	3733848	0.00104	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7640	499670.5	3733844	0.001018	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
7641	499661.6	3733840	0.000996	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
7642	499652.6	3733836	0.000974	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7643	499643.6	3733833	0.000951	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7644	499634.6	3733829	0.000928	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
7645	499625.6	3733825	0.000906	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7646	499616.6	3733821	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
7647	499607.7	3733817	0.000861	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.76E-04	0.00E+00	0.00E+00
7648	499598.7	3733814	0.000838	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	1.55E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
7649	499586	3733801	0.000811	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
7650	499582.4	3733792	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
7651	499578.7	3733783	0.000798	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
7652	499575.1	3733774	0.000791	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
7653	499571.4	3733765	0.000784	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
7654	499567.7	3733756	0.000776	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
7655	499564.1	3733747	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
7656	499560.4	3733738	0.000759	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
7657	499556.8	3733729	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7658	499553.1	3733720	0.000741	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
7659	499549.4	3733711	0.000732	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
7660	499545.8	3733702	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
7661	499542.1	3733693	0.000712	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
7662	499538.5	3733684	0.000702	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
7663	499534.8	3733675	0.000692	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
7664	499531.1	3733666	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
7665	499859.1	3733923	0.00128	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
7666	499869	3733923	0.001291	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.15E-04	0.00E+00	0.00E+00
7667	499878.8	3733923	0.001301	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
7668	499888.6	3733923	0.00131	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.21E-04	0.00E+00	0.00E+00
7669	499898.4	3733923	0.001318	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
7670	499908.3	3733923	0.001324	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.25E-04	0.00E+00	0.00E+00
7671	499918.1	3733923	0.001329	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
7672	499927.9	3733923	0.001332	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7673	499937.7	3733923	0.001334	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7674	499947.6	3733923	0.001335	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.29E-04	0.00E+00	0.00E+00
7675	499957.4	3733923	0.001334	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7676	499967.2	3733923	0.001332	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.01E-04	4.28E-04	0.00E+00	0.00E+00
7677	499977	3733923	0.001328	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.27E-04	0.00E+00	0.00E+00
7678	499986.9	3733923	0.001323	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.25E-04	0.00E+00	0.00E+00
7679	499996.7	3733923	0.001317	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
7680	500006.5	3733923	0.001309	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.20E-04	0.00E+00	0.00E+00
7681	500016.3	3733923	0.0013	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.17E-04	0.00E+00	0.00E+00
7682	500026.2	3733923	0.00129	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.14E-04	0.00E+00	0.00E+00
7683	500036	3733923	0.001278	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.92E-04	4.10E-04	0.00E+00	0.00E+00
7684	500045.8	3733923	0.001265	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
7685	500055.6	3733923	0.001251	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.31E-03	0.00E+00	0.00E+00	1.88E-04	4.02E-04	0.00E+00	0.00E+00
7686	500065.5	3733923	0.001237	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
7687	500075.3	3733923	0.001221	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7688	500085.1	3733923	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7689	500094.9	3733923	0.001186	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
7690	500104.8	3733923	0.001168	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
7691	500114.6	3733923	0.001149	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
7692	500124.4	3733923	0.001129	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
7693	500134.2	3733923	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7694	500144.1	3733923	0.001088	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7695	500153.9	3733923	0.001067	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.43E-04	0.00E+00	0.00E+00
7696	500163.7	3733923	0.001045	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
7697	500173.5	3733923	0.001023	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7698	500183.3	3733923	0.001001	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
7699	499850.3	3733949	0.001191	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7700	499841.5	3733945	0.001191	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7701	499832.7	3733942	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7702	499823.8	3733938	0.001188	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
7703	499815	3733934	0.001184	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
7704	499806.2	3733931	0.001179	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.78E-04	3.79E-04	0.00E+00	0.00E+00
7705	499797.4	3733927	0.001174	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
7706	499788.6	3733923	0.001167	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
7707	499779.8	3733920	0.001159	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.74E-04	3.72E-04	0.00E+00	0.00E+00
7708	499771	3733916	0.001149	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
7709	499762.2	3733912	0.001139	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.66E-04	0.00E+00	0.00E+00
7710	499753.4	3733908	0.001128	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
7711	499744.6	3733905	0.001115	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
7712	499735.8	3733901	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7713	499726.9	3733897	0.001088	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7714	499718.1	3733894	0.001073	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
7715	499709.3	3733890	0.001057	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7716	499700.5	3733886	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7717	499691.7	3733883	0.001024	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7718	499682.9	3733879	0.001006	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
7719	499674.1	3733875	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7720	499665.3	3733872	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7721	499656.5	3733868	0.00095	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
7722	499647.7	3733864	0.00093	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7723	499638.8	3733861	0.000911	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
7724	499630	3733857	0.000891	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00

7725	499621.2	3733853	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
7726	499612.4	3733849	0.000852	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.74E-04	0.00E+00	0.00E+00
7727	499603.6	3733846	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
7728	499594.8	3733842	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
7729	499586	3733838	0.000792	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
7730	499577.2	3733835	0.000773	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
7731	499564.8	3733822	0.000748	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
7732	499561.2	3733813	0.000743	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
7733	499557.6	3733804	0.000737	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
7734	499554	3733796	0.000731	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
7735	499550.4	3733787	0.000724	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
7736	499546.8	3733778	0.000718	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
7737	499543.2	3733769	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
7738	499539.7	3733760	0.000703	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
7739	499536.1	3733751	0.000695	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
7740	499532.5	3733743	0.000687	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
7741	499528.9	3733734	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
7742	499859.1	3733953	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
7743	499868.9	3733953	0.001199	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.80E-04	3.85E-04	0.00E+00	0.00E+00
7744	499878.7	3733953	0.001207	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.22E-03	0.00E+00	0.00E+00	1.82E-04	3.87E-04	0.00E+00	0.00E+00
7745	499888.6	3733953	0.001213	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
7746	499898.4	3733953	0.001219	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
7747	499908.2	3733953	0.001224	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7748	499918	3733953	0.001227	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
7749	499927.9	3733953	0.00123	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7750	499937.7	3733953	0.001231	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7751	499947.5	3733953	0.00123	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7752	499957.3	3733953	0.001229	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.27E-03	0.00E+00	0.00E+00	1.85E-04	3.95E-04	0.00E+00	0.00E+00
7753	499967.2	3733953	0.001226	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
7754	499977	3733953	0.001223	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
7755	499986.8	3733953	0.001218	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
7756	499996.6	3733953	0.001212	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.89E-04	0.00E+00	0.00E+00
7757	500006.5	3733953	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
7758	500016.3	3733953	0.001196	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
7759	500026.1	3733953	0.001187	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
7760	500035.9	3733953	0.001176	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
7761	500045.7	3733953	0.001165	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.75E-04	3.74E-04	0.00E+00	0.00E+00
7762	500055.6	3733953	0.001153	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.74E-04	3.70E-04	0.00E+00	0.00E+00
7763	500065.4	3733953	0.00114	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
7764	500075.2	3733953	0.001126	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.62E-04	0.00E+00	0.00E+00
7765	500085	3733953	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7766	500094.9	3733953	0.001096	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
7767	500104.7	3733953	0.00108	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7768	500114.5	3733953	0.001063	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
7769	500124.3	3733953	0.001046	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
7770	500134.2	3733953	0.001028	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.55E-04	3.30E-04	0.00E+00	0.00E+00
7771	500144	3733953	0.00101	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
7772	500153.8	3733953	0.000991	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
7773	500163.6	3733953	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7774	500173.5	3733953	0.000953	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
7775	500183.3	3733953	0.000934	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
7776	499850.1	3733979	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7777	499841.2	3733975	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7778	499832.3	3733972	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7779	499823.4	3733968	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
7780	499814.5	3733964	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7781	499805.5	3733960	0.001105	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.66E-04	3.55E-04	0.00E+00	0.00E+00
7782	499796.6	3733957	0.001101	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
7783	499787.7	3733953	0.001096	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
7784	499778.8	3733949	0.001089	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
7785	499769.9	3733945	0.001082	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.63E-04	3.47E-04	0.00E+00	0.00E+00
7786	499761	3733942	0.001074	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
7787	499752.1	3733938	0.001064	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.42E-04	0.00E+00	0.00E+00
7788	499743.1	3733934	0.001054	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7789	499734.2	3733931	0.001043	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7790	499725.3	3733927	0.001031	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
7791	499716.4	3733923	0.001019	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
7792	499707.5	3733919	0.001005	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
7793	499698.6	3733916	0.000991	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
7794	499689.7	3733912	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7795	499680.7	3733908	0.000961	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.08E-04	0.00E+00	0.00E+00
7796	499671.8	3733904	0.000945	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
7797	499662.9	3733901	0.000928	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
7798	499654	3733897	0.000911	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
7799	499645.1	3733893	0.000894	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
7800	499636.2	3733889	0.000877	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
7801	499627.3	3733886	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
7802	499618.4	3733882	0.000841	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
7803	499609.4	3733878	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
7804	499600.5	3733875	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
7805	499591.6	3733871	0.000787	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
7806	499582.7	3733867	0.000769	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
7807	499573.8	3733863	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7808	499564.9	3733860	0.000733	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
7809	499556	3733856	0.000716	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
7810	499543.4	3733843	0.000693	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
7811	499539.8	3733834	0.000688	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
7812	499536.1	3733825	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
7813	499532.5	3733816	0.000677	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
7814	499528.9	3733807	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
7815	499525.2	3733798	0.000665	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
7816	499521.6	3733789	0.000658	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.91E-05	2.11E-04	0.00E+00	0.00E+00
7817	499518	3733780	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.81E-05	2.09E-04	0.00E+00	0.00E+00
7818	499514.4	3733772	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
7819	499510.7	3733763	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
7820	499859	3733983	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
7821	499868.9	3733983	0.001116	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
7822	499878.7	3733983	0.001122	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
7823	499888.5	3733983	0.001128	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
7824	499898.3	3733983	0.001132	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
7825	499908.1	3733983	0.001135	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7826	499918	3733983	0.001137	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7827	499927.8	3733983	0.001139	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.66E-04	0.00E+00	0.00E+00
7828	499937.6	3733983	0.001139	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
7829	499947.4	3733983	0.001138	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.66E-04	0.00E+00	0.00E+00
7830	499957.3	3733983	0.001137	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
7831	499967.1	3733983	0.001134	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.64E-04	0.00E+00	0.00E+00
7832	499976.9	3733983	0.00113	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
7833	499986.7	3733983	0.001125	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.61E-04	0.00E+00	0.00E+00
7834	499996.6	3733983	0.00112	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
7835	500006.4	3733983	0.001113	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.68E-04	3.57E-04	0.00E+00	0.00E+00
7836	500016.2	3733983	0.001105	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.66E-04	3.55E-04	0.00E+00	0.00E+00

7837	500026	3733983	0.001097	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.52E-04	0.00E+00	0.00E+00
7838	500035.9	3733983	0.001088	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
7839	500045.7	3733983	0.001077	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
7840	500055.5	3733983	0.001066	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.97E-03	0.00E+00	0.00E+00	1.61E-04	3.42E-04	0.00E+00	0.00E+00
7841	500065.3	3733983	0.001055	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7842	500075.2	3733983	0.001042	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7843	500085	3733983	0.001029	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
7844	500094.8	3733983	0.001016	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
7845	500104.6	3733983	0.001002	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.22E-04	0.00E+00	0.00E+00
7846	500114.5	3733983	0.000987	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7847	500124.3	3733983	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7848	500134.1	3733983	0.000956	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7849	500143.9	3733983	0.00094	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
7850	500153.8	3733983	0.000924	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
7851	500163.6	3733983	0.000908	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.92E-04	0.00E+00	0.00E+00
7852	500173.4	3733983	0.000891	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
7853	500183.2	3733983	0.000874	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
7854	499850	3734009	0.001039	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.34E-04	0.00E+00	0.00E+00
7855	499841	3734005	0.00104	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7856	499831.9	3734001	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7857	499822.9	3733998	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7858	499813.9	3733994	0.00104	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
7859	499804.9	3733990	0.001038	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7860	499795.9	3733986	0.001035	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.32E-04	0.00E+00	0.00E+00
7861	499786.9	3733983	0.001031	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
7862	499777.9	3733979	0.001026	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7863	499768.9	3733975	0.00102	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
7864	499759.9	3733971	0.001014	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
7865	499750.9	3733967	0.001006	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
7866	499741.9	3733964	0.000998	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.20E-04	0.00E+00	0.00E+00
7867	499732.9	3733960	0.000988	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
7868	499723.9	3733956	0.000978	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7869	499714.9	3733952	0.000968	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7870	499705.8	3733949	0.000956	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7871	499696.8	3733945	0.000944	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
7872	499687.8	3733941	0.000931	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7873	499678.8	3733937	0.000918	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
7874	499669.8	3733934	0.000904	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
7875	499660.8	3733930	0.00089	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
7876	499651.8	3733926	0.000875	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
7877	499642.8	3733922	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
7878	499633.8	3733918	0.000844	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
7879	499624.8	3733915	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
7880	499615.8	3733911	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
7881	499606.8	3733907	0.000796	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
7882	499597.8	3733903	0.00078	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
7883	499588.8	3733900	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
7884	499579.8	3733896	0.000747	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
7885	499570.7	3733892	0.00073	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
7886	499561.7	3733888	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
7887	499552.7	3733885	0.000698	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
7888	499543.7	3733881	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
7889	499534.7	3733877	0.000665	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
7890	499522	3733864	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
7891	499518.4	3733855	0.00064	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
7892	499514.7	3733846	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
7893	499511	3733837	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
7894	499507.4	3733828	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.39E-05	2.00E-04	0.00E+00	0.00E+00
7895	499503.7	3733819	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
7896	499500	3733810	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.97E-04	0.00E+00	0.00E+00
7897	499496.3	3733801	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.95E-04	0.00E+00	0.00E+00
7898	499481.7	3733765	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
7899	499478	3733756	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
7900	499474.3	3733747	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
7901	499470.7	3733738	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
7902	499459.6	3733710	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
7903	499456	3733701	0.000525	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.68E-04	0.00E+00	0.00E+00	7.91E-05	1.69E-04	0.00E+00	0.00E+00
7904	499859	3734013	0.001036	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7905	499868.8	3734013	0.001042	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7906	499878.6	3734013	0.001047	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.36E-04	0.00E+00	0.00E+00
7907	499888.4	3734013	0.001051	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
7908	499898.3	3734013	0.001054	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7909	499908.1	3734013	0.001056	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7910	499917.9	3734013	0.001058	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
7911	499927.7	3734013	0.001059	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
7912	499937.6	3734013	0.001058	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.40E-04	0.00E+00	0.00E+00
7913	499947.4	3734013	0.001057	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7914	499957.2	3734013	0.001055	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.94E-03	0.00E+00	0.00E+00	1.59E-04	3.39E-04	0.00E+00	0.00E+00
7915	499967	3734013	0.001052	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
7916	499976.9	3734013	0.001048	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
7917	499986.7	3734013	0.001044	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.35E-04	0.00E+00	0.00E+00
7918	499996.5	3734013	0.001038	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
7919	500006.3	3734013	0.001032	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.32E-04	0.00E+00	0.00E+00
7920	500016.2	3734013	0.001025	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.54E-04	3.29E-04	0.00E+00	0.00E+00
7921	500026	3734013	0.001018	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
7922	500035.8	3734013	0.001009	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.24E-04	0.00E+00	0.00E+00
7923	500045.6	3734013	0.001	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
7924	500055.5	3734013	0.00099	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
7925	500065.3	3734013	0.00098	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
7926	500075.1	3734013	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7927	500084.9	3734013	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
7928	500094.8	3734013	0.000945	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	1.74E-03	0.00E+00	0.00E+00	1.42E-04	3.03E-04	0.00E+00	0.00E+00
7929	500104.6	3734013	0.000932	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7930	500114.4	3734013	0.000919	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.95E-04	0.00E+00	0.00E+00
7931	500124.2	3734013	0.000906	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7932	500134	3734013	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
7933	500143.9	3734013	0.000879	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
7934	500153.7	3734013	0.000864	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
7935	500163.5	3734013	0.00085	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
7936	500173.3	3734013	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
7937	500183.2	3734013	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
7938	499850	3734039	0.000974	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7939	499841.2	3734035	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7940	499832.3	3734032	0.000977	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7941	499823.5	3734028	0.000978	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7942	499814.6	3734024	0.000977	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7943	499805.7	3734020	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7944	499796.9	3734017	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7945	499788	3734013	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7946	499779.1	3734009	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
7947	499770.3	3734006	0.000965	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
7948	499761.4	3734002	0.00096	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00

7949	499752.5	3733998	0.000954	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
7950	499743.7	3733995	0.000947	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
7951	499734.8	3733991	0.00094	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
7952	499726	3733987	0.000932	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
7953	499717.1	3733983	0.000924	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
7954	499708.2	3733980	0.000914	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
7955	499699.4	3733976	0.000905	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.91E-04	0.00E+00	0.00E+00
7956	499690.5	3733972	0.000894	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
7957	499681.6	3733969	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
7958	499672.8	3733965	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
7959	499663.9	3733961	0.00086	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
7960	499655.1	3733957	0.000847	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
7961	499646.2	3733954	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
7962	499637.3	3733950	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
7963	499628.5	3733946	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
7964	499619.6	3733943	0.000794	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
7965	499610.7	3733939	0.000779	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
7966	499601.9	3733935	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
7967	499593	3733931	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
7968	499584.1	3733928	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
7969	499575.3	3733924	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
7970	499566.4	3733920	0.000707	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
7971	499557.6	3733917	0.000692	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
7972	499548.7	3733913	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
7973	499539.8	3733909	0.000663	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
7974	499531	3733905	0.000648	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.20E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
7975	499522.1	3733902	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.54E-05	2.04E-04	0.00E+00	0.00E+00
7976	499513.2	3733898	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
7977	499500.8	3733885	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
7978	499497.2	3733877	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
7979	499493.5	3733868	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
7980	499489.9	3733859	0.000588	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
7981	499486.3	3733850	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.77E-05	1.87E-04	0.00E+00	0.00E+00
7982	499482.7	3733841	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
7983	499479.1	3733832	0.000572	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.05E-03	0.00E+00	0.00E+00	8.61E-05	1.84E-04	0.00E+00	0.00E+00
7984	499468.3	3733805	0.000554	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
7985	499464.7	3733796	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
7986	499461	3733787	0.000542	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.99E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
7987	499457.4	3733779	0.000535	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
7988	499453.8	3733770	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
7989	499450.2	3733761	0.000522	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.63E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
7990	499446.6	3733752	0.000516	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.50E-04	0.00E+00	0.00E+00	7.76E-05	1.66E-04	0.00E+00	0.00E+00
7991	499421.3	3733690	0.000467	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
7992	499417.7	3733681	0.00046	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
7993	499414.1	3733672	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
7994	499410.5	3733663	0.000446	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
7995	499858.9	3734043	0.000971	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
7996	499868.7	3734043	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
7997	499878.6	3734043	0.000979	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.14E-04	0.00E+00	0.00E+00
7998	499888.4	3734043	0.000982	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
7999	499898.2	3734043	0.000984	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
8000	499908	3734043	0.000986	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.17E-04	0.00E+00	0.00E+00
8001	499917.9	3734043	0.000987	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
8002	499927.7	3734043	0.000987	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.17E-04	0.00E+00	0.00E+00
8003	499937.5	3734043	0.000986	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.17E-04	0.00E+00	0.00E+00
8004	499947.3	3734043	0.000985	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
8005	499957.2	3734043	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
8006	499967	3734043	0.00098	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.47E-04	3.15E-04	0.00E+00	0.00E+00
8007	499976.8	3734043	0.000976	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
8008	499986.6	3734043	0.000972	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.12E-04	0.00E+00	0.00E+00
8009	499996.4	3734043	0.000966	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.10E-04	0.00E+00	0.00E+00
8010	500006.3	3734043	0.000961	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
8011	500016.1	3734043	0.000954	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.06E-04	0.00E+00	0.00E+00
8012	500025.9	3734043	0.000947	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.04E-04	0.00E+00	0.00E+00
8013	500035.7	3734043	0.00094	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.02E-04	0.00E+00	0.00E+00
8014	500045.6	3734043	0.000931	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
8015	500055.4	3734043	0.000922	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
8016	500065.2	3734043	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
8017	500075	3734043	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8018	500084.9	3734043	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
8019	500094.7	3734043	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
8020	500104.5	3734043	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
8021	500114.3	3734043	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
8022	500124.2	3734043	0.000848	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
8023	500134	3734043	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8024	500143.8	3734043	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
8025	500153.6	3734043	0.000811	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8026	500163.5	3734043	0.000798	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
8027	500173.3	3734043	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
8028	500183.1	3734043	0.000772	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
8029	499849.9	3734079	0.000896	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8030	499841	3734075	0.000898	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
8031	499832.1	3734072	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8032	499823.2	3734068	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8033	499814.3	3734064	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8034	499805.4	3734060	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8035	499796.5	3734057	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8036	499787.6	3734053	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8037	499778.7	3734049	0.000898	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8038	499769.8	3734045	0.000895	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8039	499760.9	3734042	0.000892	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
8040	499752	3734038	0.000888	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
8041	499743.1	3734034	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
8042	499734.2	3734031	0.000878	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
8043	499725.3	3734027	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
8044	499716.4	3734023	0.000865	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
8045	499707.5	3734019	0.000858	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
8046	499698.5	3734016	0.00085	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
8047	499689.6	3734012	0.000841	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
8048	499680.7	3734008	0.000833	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8049	499671.8	3734004	0.000823	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
8050	499662.9	3734001	0.000813	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
8051	499654	3733997	0.000803	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
8052	499645.1	3733993	0.000792	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
8053	499636.2	3733990	0.000781	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
8054	499627.3	3733986	0.00077	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8055	499618.4	3733982	0.000758	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8056	499609.5	3733978	0.000746	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8057	499600.6	3733975	0.000734	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.36E-04	0.00E+00	0.00E+00
8058	499591.7	3733971	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8059	499582.8	3733967	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8060	499573.9	3733963	0.000696	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00

8061	499565	3733960	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8062	499556.1	3733956	0.00067	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8063	499547.2	3733952	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
8064	499538.3	3733949	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
8065	499529.4	3733945	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
8066	499520.5	3733941	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8067	499511.6	3733937	0.000605	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
8068	499502.7	3733934	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8069	499493.7	3733930	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
8070	499484.8	3733926	0.000567	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
8071	499472.3	3733914	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
8072	499468.7	3733905	0.000546	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.22E-05	1.75E-04	0.00E+00	0.00E+00
8073	499465.1	3733896	0.000542	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.99E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
8074	499461.4	3733887	0.000538	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.10E-05	1.73E-04	0.00E+00	0.00E+00
8075	499457.8	3733878	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8076	499454.2	3733869	0.000528	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8077	499450.5	3733860	0.000523	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.65E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8078	499443.3	3733842	0.000513	9.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	9.46E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
8079	499439.7	3733833	0.000508	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.65E-05	1.63E-04	0.00E+00	0.00E+00
8080	499436	3733824	0.000503	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.26E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8081	499432.4	3733815	0.000497	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.48E-05	1.60E-04	0.00E+00	0.00E+00
8082	499428.8	3733806	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8083	499425.1	3733797	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
8084	499421.5	3733788	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
8085	499417.9	3733779	0.000474	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
8086	499414.3	3733770	0.000468	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
8087	499348.9	3733609	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
8088	499345.3	3733600	0.000351	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
8089	499341.7	3733591	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
8090	499338.1	3733583	0.00034	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
8091	499334.4	3733574	0.000334	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
8092	499330.8	3733565	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
8093	499327.2	3733556	0.000324	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
8094	499323.5	3733547	0.000318	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
8095	499858.8	3734083	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
8096	499868.7	3734083	0.000896	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8097	499878.5	3734083	0.000899	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-04	1.66E-03	0.00E+00	0.00E+00	1.35E-04	2.89E-04	0.00E+00	0.00E+00
8098	499888.3	3734083	0.000901	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8099	499898.1	3734083	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8100	499908	3734083	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8101	499917.8	3734083	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8102	499927.6	3734083	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8103	499937.4	3734083	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
8104	499947.2	3734083	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
8105	499957.1	3734083	0.000898	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
8106	499966.9	3734083	0.000895	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
8107	499976.7	3734083	0.000891	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.86E-04	0.00E+00	0.00E+00
8108	499986.5	3734083	0.000887	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
8109	499996.4	3734083	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
8110	500006.2	3734083	0.000877	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
8111	500016	3734083	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
8112	500025.8	3734083	0.000865	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
8113	500035.7	3734083	0.000858	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
8114	500045.5	3734083	0.000851	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
8115	500055.3	3734083	0.000843	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
8116	500065.1	3734083	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8117	500075	3734083	0.000827	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8118	500084.8	3734083	0.000818	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
8119	500094.6	3734083	0.000808	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8120	500104.4	3734083	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
8121	500114.3	3734083	0.000789	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
8122	500124.1	3734083	0.000779	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
8123	500133.9	3734083	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8124	500143.7	3734083	0.000758	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8125	500153.6	3734083	0.000747	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8126	500163.4	3734083	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
8127	500173.2	3734083	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8128	500183	3734083	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8129	499849.8	3734119	0.000827	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8130	499840.9	3734115	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8131	499831.9	3734112	0.000833	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8132	499823	3734108	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8133	499814	3734104	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8134	499805.1	3734100	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
8135	499796.2	3734097	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
8136	499787.2	3734093	0.000836	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8137	499778.3	3734089	0.000835	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
8138	499769.3	3734085	0.000833	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.54E-03	0.00E+00	0.00E+00	1.25E-04	2.68E-04	0.00E+00	0.00E+00
8139	499760.4	3734082	0.000831	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8140	499751.5	3734078	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8141	499742.5	3734074	0.000824	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8142	499733.6	3734070	0.00082	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.63E-04	0.00E+00	0.00E+00
8143	499724.6	3734067	0.000816	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.62E-04	0.00E+00	0.00E+00
8144	499715.7	3734063	0.000811	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8145	499706.8	3734059	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
8146	499697.8	3734055	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
8147	499688.9	3734052	0.000792	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.54E-04	0.00E+00	0.00E+00
8148	499679.9	3734048	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
8149	499671	3734044	0.000777	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
8150	499662.1	3734040	0.000769	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8151	499653.1	3734037	0.000761	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04	1.40E-03	0.00E+00	0.00E+00	1.15E-04	2.44E-04	0.00E+00	0.00E+00
8152	499644.2	3734033	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
8153	499635.2	3734029	0.000743	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
8154	499626.3	3734025	0.000733	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
8155	499617.4	3734022	0.000723	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8156	499608.4	3734018	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8157	499599.5	3734014	0.000703	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
8158	499590.5	3734010	0.000692	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
8159	499581.6	3734007	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8160	499572.7	3734003	0.00067	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8161	499563.7	3733999	0.000659	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.11E-04	0.00E+00	0.00E+00
8162	499554.8	3733995	0.000647	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
8163	499545.8	3733992	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.57E-05	2.04E-04	0.00E+00	0.00E+00
8164	499536.9	3733988	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.00E-04	0.00E+00	0.00E+00
8165	499528	3733984	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
8166	499519	3733981	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
8167	499510.1	3733977	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
8168	499501.1	3733973	0.000578	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
8169	499492.2	3733969	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8170	499483.3	3733966	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
8171	499474.3	3733962	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
8172	499465.4	3733958	0.000532	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.01E-05	1.71E-04	0.00E+00	0.00E+00

8173	499456.4	3733954	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8174	499443.9	3733942	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8175	499440.2	3733933	0.000502	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
8176	499436.6	3733924	0.000498	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8177	499432.9	3733915	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8178	499429.3	3733906	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8179	499425.6	3733897	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8180	499356.4	3733726	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.24E-04	0.00E+00	0.00E+00
8181	499352.8	3733717	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
8182	499349.1	3733708	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
8183	499345.5	3733699	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
8184	499341.8	3733690	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
8185	499320	3733636	0.000333	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
8186	499316.3	3733627	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
8187	499312.7	3733618	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
8188	499309.1	3733609	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
8189	499305.4	3733600	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
8190	499301.8	3733591	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
8191	499298.1	3733582	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
8192	499294.5	3733573	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
8193	499290.8	3733564	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
8194	499283.6	3733546	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
8195	499858.7	3734123	0.000824	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8196	499868.6	3734123	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8197	499878.4	3734123	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8198	499888.2	3734123	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8199	499898	3734123	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8200	499907.9	3734123	0.000831	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8201	499917.7	3734123	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
8202	499927.5	3734123	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8203	499937.3	3734123	0.000828	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
8204	499947.2	3734123	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8205	499957	3734123	0.000824	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
8206	499966.8	3734123	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
8207	499976.6	3734123	0.000818	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
8208	499986.5	3734123	0.000814	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	1.50E-03	0.00E+00	0.00E+00	1.23E-04	2.61E-04	0.00E+00	0.00E+00
8209	499996.3	3734123	0.00081	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
8210	500006.1	3734123	0.000805	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.58E-04	0.00E+00	0.00E+00
8211	500015.9	3734123	0.0008	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
8212	500025.8	3734123	0.000794	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.20E-04	2.55E-04	0.00E+00	0.00E+00
8213	500035.6	3734123	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
8214	500045.4	3734123	0.000781	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
8215	500055.2	3734123	0.000775	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
8216	500065.1	3734123	0.000768	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.41E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8217	500074.9	3734123	0.00076	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
8218	500084.7	3734123	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
8219	500094.5	3734123	0.000744	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
8220	500104.4	3734123	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
8221	500114.2	3734123	0.000727	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
8222	500124	3734123	0.000719	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
8223	500133.8	3734123	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8224	500143.7	3734123	0.0007	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
8225	500153.5	3734123	0.000691	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
8226	500163.3	3734123	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8227	500173.1	3734123	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8228	500183	3734123	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
8229	499769	3734125	0.000777	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
8230	499760	3734121	0.000775	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
8231	499751	3734118	0.000773	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	1.43E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
8232	499742	3734114	0.000771	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
8233	499733.1	3734110	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
8234	499724.1	3734106	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8235	499715.1	3734103	0.000761	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04	1.40E-03	0.00E+00	0.00E+00	1.15E-04	2.44E-04	0.00E+00	0.00E+00
8236	499706.2	3734099	0.000756	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8237	499697.2	3734095	0.000752	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
8238	499688.2	3734091	0.000746	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8239	499679.2	3734088	0.000741	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
8240	499670.3	3734084	0.000735	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.35E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
8241	499661.3	3734080	0.000728	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
8242	499652.3	3734076	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8243	499643.3	3734073	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8244	499634.4	3734069	0.000706	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
8245	499625.4	3734065	0.000698	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
8246	499616.4	3734061	0.00069	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
8247	499607.5	3734058	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8248	499598.5	3734054	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8249	499589.5	3734050	0.000663	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.98E-05	2.13E-04	0.00E+00	0.00E+00
8250	499580.5	3734046	0.000653	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.84E-05	2.10E-04	0.00E+00	0.00E+00
8251	499571.6	3734043	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
8252	499562.6	3734039	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
8253	499553.6	3734035	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.00E-04	0.00E+00	0.00E+00
8254	499544.7	3734031	0.000614	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
8255	499535.7	3734028	0.000604	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
8256	499526.7	3734024	0.000594	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8257	499517.7	3734020	0.000583	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8258	499508.8	3734016	0.000573	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.06E-03	0.00E+00	0.00E+00	8.63E-05	1.84E-04	0.00E+00	0.00E+00
8259	499499.8	3734013	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
8260	499490.8	3734009	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8261	499481.9	3734005	0.000542	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.98E-04	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
8262	499472.9	3734001	0.000531	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.79E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
8263	499463.9	3733997	0.000521	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.60E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8264	499454.9	3733994	0.000511	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.41E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8265	499446	3733990	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8266	499437	3733986	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8267	499428	3733982	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
8268	499415.4	3733970	0.000467	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.60E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8269	499411.7	3733961	0.000463	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
8270	499408.1	3733952	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
8271	499404.4	3733943	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
8272	499400.8	3733934	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
8273	499320.3	3733735	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
8274	499316.7	3733726	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
8275	499313	3733717	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
8276	499287.4	3733654	0.000307	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
8277	499283.8	3733645	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
8278	499280.1	3733636	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
8279	499276.5	3733627	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
8280	499272.8	3733618	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
8281	499269.2	3733609	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
8282	499265.5	3733600	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
8283	499250.9	3733564	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.97E-05	8.48E-05	0.00E+00	0.00E+00
8284	499243.6	3733546	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00

8285	499858.7	3734163	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
8286	499868.5	3734163	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8287	499878.3	3734163	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8288	499888.1	3734163	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8289	499898	3734163	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.16E-04	2.46E-04	0.00E+00	0.00E+00
8290	499907.8	3734163	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8291	499917.6	3734163	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8292	499927.4	3734163	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
8293	499937.3	3734163	0.000764	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
8294	499947.1	3734163	0.000762	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	1.40E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
8295	499956.9	3734163	0.00076	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
8296	499966.7	3734163	0.000757	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
8297	499976.6	3734163	0.000754	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
8298	499986.4	3734163	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
8299	499996.2	3734163	0.000746	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.38E-03	0.00E+00	0.00E+00	1.12E-04	2.40E-04	0.00E+00	0.00E+00
8300	500006	3734163	0.000742	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
8301	500015.9	3734163	0.000737	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
8302	500025.7	3734163	0.000732	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
8303	500035.5	3734163	0.000727	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8304	500045.3	3734163	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8305	500055.2	3734163	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
8306	500065	3734163	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8307	500074.8	3734163	0.000702	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
8308	500084.6	3734163	0.000695	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
8309	500094.5	3734163	0.000688	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
8310	500104.3	3734163	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8311	500114.1	3734163	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8312	500123.9	3734163	0.000666	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
8313	500133.8	3734163	0.000658	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
8314	500143.6	3734163	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
8315	500153.4	3734163	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
8316	500163.2	3734163	0.000633	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
8317	500173.1	3734163	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
8318	500182.9	3734163	0.000616	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
8319	499849.6	3734199	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
8320	499840.6	3734195	0.000716	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
8321	499831.6	3734191	0.000718	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.31E-04	0.00E+00	0.00E+00
8322	499822.6	3734188	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.31E-04	0.00E+00	0.00E+00
8323	499813.6	3734184	0.000723	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
8324	499804.6	3734180	0.000724	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8325	499795.6	3734176	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8326	499786.6	3734173	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8327	499777.6	3734169	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8328	499768.6	3734165	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8329	499759.6	3734161	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
8330	499669.6	3734124	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
8331	499660.6	3734120	0.000689	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.21E-04	0.00E+00	0.00E+00
8332	499651.6	3734116	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8333	499642.6	3734112	0.000677	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8334	499633.6	3734109	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8335	499624.6	3734105	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
8336	499615.6	3734101	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
8337	499606.6	3734097	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
8338	499597.6	3734093	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.67E-05	2.06E-04	0.00E+00	0.00E+00
8339	499588.6	3734090	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
8340	499579.6	3734086	0.000627	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
8341	499570.6	3734082	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
8342	499561.6	3734078	0.00061	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
8343	499552.6	3734075	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
8344	499543.6	3734071	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
8345	499534.6	3734067	0.000583	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8346	499525.6	3734063	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
8347	499516.6	3734060	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
8348	499507.6	3734056	0.000556	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.02E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
8349	499498.6	3734052	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
8350	499489.6	3734048	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
8351	499480.6	3734045	0.000528	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.73E-04	0.00E+00	0.00E+00	7.95E-05	1.70E-04	0.00E+00	0.00E+00
8352	499471.6	3734041	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
8353	499462.6	3734037	0.000509	9.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.39E-04	0.00E+00	0.00E+00	7.67E-05	1.64E-04	0.00E+00	0.00E+00
8354	499453.6	3734033	0.0005	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.21E-04	0.00E+00	0.00E+00	7.52E-05	1.61E-04	0.00E+00	0.00E+00
8355	499444.6	3734029	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8356	499435.6	3734026	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
8357	499426.6	3734022	0.000472	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
8358	499417.6	3734018	0.000462	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.49E-04	0.00E+00	0.00E+00
8359	499408.6	3734014	0.000453	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.36E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
8360	499399.6	3734011	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
8361	499353.9	3733916	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
8362	499350.3	3733907	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
8363	499346.6	3733898	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
8364	499342.9	3733889	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
8365	499284.3	3733745	0.000319	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
8366	499280.6	3733736	0.000314	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
8367	499258.6	3733681	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
8368	499254.9	3733672	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
8369	499251.3	3733663	0.00028	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
8370	499247.6	3733654	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
8371	499243.9	3733645	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
8372	499240.3	3733636	0.000268	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
8373	499236.6	3733627	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.98E-05	8.50E-05	0.00E+00	0.00E+00
8374	499203.6	3733546	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
8375	499858.6	3734203	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8376	499868.4	3734203	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8377	499878.2	3734203	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8378	499888.1	3734203	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8379	499897.9	3734203	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8380	499907.7	3734203	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8381	499917.5	3734203	0.00071	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8382	499927.4	3734203	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
8383	499937.2	3734203	0.000707	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
8384	499947	3734203	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
8385	499956.8	3734203	0.000703	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
8386	499966.7	3734203	0.0007	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
8387	499976.5	3734203	0.000697	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
8388	499986.3	3734203	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
8389	499996.1	3734203	0.00069	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
8390	500006	3734203	0.000686	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
8391	500015.8	3734203	0.000682	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
8392	500025.6	3734203	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8393	500035.4	3734203	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8394	500045.3	3734203	0.000668	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
8395	500055.1	3734203	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.97E-05	2.13E-04	0.00E+00	0.00E+00
8396	500064.9	3734203	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00

8397	500074.7	3734203	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.80E-05	2.09E-04	0.00E+00	0.00E+00
8398	500084.6	3734203	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
8399	500094.4	3734203	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.61E-05	2.05E-04	0.00E+00	0.00E+00
8400	500104.2	3734203	0.000632	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.17E-03	0.00E+00	0.00E+00	9.52E-05	2.03E-04	0.00E+00	0.00E+00
8401	500114	3734203	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.42E-05	2.01E-04	0.00E+00	0.00E+00
8402	500123.9	3734203	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
8403	500133.7	3734203	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.96E-04	0.00E+00	0.00E+00
8404	500143.5	3734203	0.000605	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.11E-03	0.00E+00	0.00E+00	9.11E-05	1.94E-04	0.00E+00	0.00E+00
8405	500153.3	3734203	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
8406	500163.1	3734203	0.00059	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.89E-05	1.90E-04	0.00E+00	0.00E+00
8407	500173	3734203	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8408	500182.8	3734203	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.67E-05	1.85E-04	0.00E+00	0.00E+00
8409	499849.5	3734239	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
8410	499840.5	3734235	0.000667	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
8411	499831.4	3734231	0.00067	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8412	499822.4	3734228	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8413	499813.4	3734224	0.000675	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8414	499804.4	3734220	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8415	499795.3	3734216	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8416	499786.3	3734213	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8417	499777.3	3734209	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8418	499768.3	3734205	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8419	499759.2	3734201	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8420	499750.2	3734197	0.000679	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8421	499741.2	3734194	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
8422	499732.2	3734190	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8423	499723.1	3734186	0.000675	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.24E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
8424	499714.1	3734182	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
8425	499705.1	3734179	0.00067	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
8426	499696.1	3734175	0.000667	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.23E-03	0.00E+00	0.00E+00	1.00E-04	2.14E-04	0.00E+00	0.00E+00
8427	499687	3734171	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
8428	499678	3734167	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
8429	499669	3734163	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
8430	499569.7	3734122	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.90E-04	0.00E+00	0.00E+00
8431	499560.7	3734118	0.000586	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.08E-03	0.00E+00	0.00E+00	8.82E-05	1.88E-04	0.00E+00	0.00E+00
8432	499551.7	3734114	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8433	499542.7	3734111	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
8434	499533.6	3734107	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
8435	499524.6	3734103	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
8436	499515.6	3734099	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
8437	499506.6	3734095	0.000539	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
8438	499497.5	3734092	0.00053	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8439	499488.5	3734088	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
8440	499479.5	3734084	0.000514	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
8441	499470.5	3734080	0.000505	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.31E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8442	499461.4	3734077	0.000497	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.16E-04	0.00E+00	0.00E+00	7.48E-05	1.60E-04	0.00E+00	0.00E+00
8443	499452.4	3734073	0.000488	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
8444	499443.4	3734069	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
8445	499434.4	3734065	0.000471	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
8446	499425.3	3734061	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
8447	499416.3	3734058	0.000454	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.37E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
8448	499407.3	3734054	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
8449	499398.3	3734050	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
8450	499358.5	3734026	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
8451	499354.8	3734017	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
8452	499351.1	3734008	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
8453	499347.5	3733999	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
8454	499343.8	3733990	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
8455	499340.1	3733981	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
8456	499321.7	3733935	0.00037	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
8457	499318	3733926	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
8458	499314.4	3733917	0.000363	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
8459	499310.7	3733908	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
8460	499307	3733899	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
8461	499303.3	3733890	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
8462	499229.8	3733709	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
8463	499226.1	3733700	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
8464	499222.4	3733690	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
8465	499218.8	3733681	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.37E-05	0.00E+00	0.00E+00
8466	499215.1	3733672	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
8467	499211.4	3733663	0.000254	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
8468	499207.7	3733654	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.76E-05	8.03E-05	0.00E+00	0.00E+00
8469	499204.1	3733645	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
8470	499167.3	3733554	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
8471	499858.5	3734243	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
8472	499868.3	3734243	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
8473	499878.2	3734243	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.13E-04	0.00E+00	0.00E+00
8474	499888	3734243	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.13E-04	0.00E+00	0.00E+00
8475	499897.8	3734243	0.000662	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
8476	499907.6	3734243	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
8477	499917.5	3734243	0.00066	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
8478	499927.3	3734243	0.000659	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
8479	499937.1	3734243	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
8480	499946.9	3734243	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
8481	499956.8	3734243	0.000653	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.20E-03	0.00E+00	0.00E+00	9.83E-05	2.10E-04	0.00E+00	0.00E+00
8482	499966.6	3734243	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
8483	499976.4	3734243	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.75E-05	2.08E-04	0.00E+00	0.00E+00
8484	499986.2	3734243	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.70E-05	2.07E-04	0.00E+00	0.00E+00
8485	499996.1	3734243	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
8486	500005.9	3734243	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8487	500015.7	3734243	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.54E-05	2.04E-04	0.00E+00	0.00E+00
8488	500025.5	3734243	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
8489	500035.4	3734243	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
8490	500045.2	3734243	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
8491	500055	3734243	0.000616	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.13E-03	0.00E+00	0.00E+00	9.27E-05	1.98E-04	0.00E+00	0.00E+00
8492	500064.8	3734243	0.000611	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
8493	500074.6	3734243	0.000605	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.94E-04	0.00E+00	0.00E+00
8494	500084.5	3734243	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8495	500094.3	3734243	0.000595	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.95E-05	1.91E-04	0.00E+00	0.00E+00
8496	500104.1	3734243	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
8497	500113.9	3734243	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
8498	500123.8	3734243	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
8499	500133.6	3734243	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
8500	500143.4	3734243	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
8501	500153.2	3734243	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
8502	500163.1	3734243	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8503	500172.9	3734243	0.000545	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
8504	500182.7	3734243	0.000539	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
8505	499849.4	3734279	0.000621	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	1.14E-03	0.00E+00	0.00E+00	9.35E-05	1.99E-04	0.00E+00	0.00E+00
8506	499840.3	3734275	0.000624	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.15E-03	0.00E+00	0.00E+00	9.39E-05	2.00E-04	0.00E+00	0.00E+00
8507	499831.3	3734271	0.000627	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
8508	499822.2	3734268	0.000629	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.16E-03	0.00E+00	0.00E+00	9.47E-05	2.02E-04	0.00E+00	0.00E+00

8509	499813.2	3734264	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
8510	499804.2	3734260	0.000633	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
8511	499795.1	3734256	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
8512	499786.1	3734252	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.57E-05	2.04E-04	0.00E+00	0.00E+00
8513	499777	3734249	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
8514	499768	3734245	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8515	499758.9	3734241	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8516	499749.9	3734237	0.000638	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	1.18E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
8517	499740.8	3734234	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
8518	499731.8	3734230	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
8519	499722.7	3734226	0.000635	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	1.17E-03	0.00E+00	0.00E+00	9.56E-05	2.04E-04	0.00E+00	0.00E+00
8520	499713.7	3734222	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.54E-05	2.04E-04	0.00E+00	0.00E+00
8521	499704.6	3734218	0.000632	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.17E-03	0.00E+00	0.00E+00	9.52E-05	2.03E-04	0.00E+00	0.00E+00
8522	499695.6	3734215	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.49E-05	2.02E-04	0.00E+00	0.00E+00
8523	499686.5	3734211	0.000628	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.16E-03	0.00E+00	0.00E+00	9.45E-05	2.02E-04	0.00E+00	0.00E+00
8524	499677.5	3734207	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
8525	499668.5	3734203	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.36E-05	2.00E-04	0.00E+00	0.00E+00
8526	499659.4	3734199	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
8527	499650.4	3734196	0.000615	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
8528	499641.3	3734192	0.000611	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
8529	499632.3	3734188	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
8530	499623.2	3734184	0.000602	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.06E-05	1.93E-04	0.00E+00	0.00E+00
8531	499614.2	3734180	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
8532	499605.1	3734177	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8533	499596.1	3734173	0.000586	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
8534	499587	3734169	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.86E-04	0.00E+00	0.00E+00
8535	499578	3734165	0.000575	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.85E-04	0.00E+00	0.00E+00
8536	499568.9	3734162	0.000569	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
8537	499478.5	3734124	0.000499	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
8538	499469.4	3734120	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8539	499460.4	3734116	0.000484	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.92E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
8540	499451.3	3734112	0.000476	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
8541	499442.3	3734109	0.000468	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.64E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
8542	499433.2	3734105	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
8543	499424.2	3734101	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
8544	499415.1	3734097	0.000445	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
8545	499406.1	3734093	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
8546	499360.9	3734074	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
8547	499351.8	3734071	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
8548	499342.8	3734067	0.000385	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
8549	499330	3734054	0.000375	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
8550	499326.4	3734045	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
8551	499322.7	3734036	0.00037	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
8552	499319	3734027	0.000367	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.76E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
8553	499315.3	3734018	0.000364	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
8554	499293.2	3733963	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
8555	499289.5	3733954	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
8556	499285.8	3733945	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
8557	499282.1	3733936	0.000336	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
8558	499278.4	3733927	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
8559	499274.7	3733918	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
8560	499271.1	3733909	0.000325	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
8561	499197.3	3733727	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
8562	499193.7	3733718	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.76E-05	8.03E-05	0.00E+00	0.00E+00
8563	499190	3733709	0.000247	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
8564	499186.3	3733700	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
8565	499182.6	3733690	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
8566	499178.9	3733681	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
8567	499175.2	3733672	0.000234	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
8568	499160.5	3733636	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
8569	499127.3	3733554	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
8570	499123.6	3733545	0.000193	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
8571	499858.4	3734283	0.000617	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8572	499868.3	3734283	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8573	499878.1	3734283	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8574	499887.9	3734283	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.30E-05	1.98E-04	0.00E+00	0.00E+00
8575	499897.7	3734283	0.000617	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	1.14E-03	0.00E+00	0.00E+00	9.29E-05	1.98E-04	0.00E+00	0.00E+00
8576	499907.6	3734283	0.000616	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
8577	499917.4	3734283	0.000615	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.13E-03	0.00E+00	0.00E+00	9.26E-05	1.98E-04	0.00E+00	0.00E+00
8578	499927.2	3734283	0.000614	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
8579	499937	3734283	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
8580	499946.9	3734283	0.000611	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.13E-03	0.00E+00	0.00E+00	9.19E-05	1.96E-04	0.00E+00	0.00E+00
8581	499956.7	3734283	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
8582	499966.5	3734283	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.12E-05	1.95E-04	0.00E+00	0.00E+00
8583	499976.3	3734283	0.000603	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
8584	499986.2	3734283	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.04E-05	1.93E-04	0.00E+00	0.00E+00
8585	499996	3734283	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
8586	500005.8	3734283	0.000594	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.10E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8587	500015.6	3734283	0.000591	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.09E-03	0.00E+00	0.00E+00	8.89E-05	1.90E-04	0.00E+00	0.00E+00
8588	500025.4	3734283	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.83E-05	1.88E-04	0.00E+00	0.00E+00
8589	500035.3	3734283	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.77E-05	1.87E-04	0.00E+00	0.00E+00
8590	500045.1	3734283	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8591	500054.9	3734283	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
8592	500064.7	3734283	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
8593	500074.6	3734283	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.81E-04	0.00E+00	0.00E+00
8594	500084.4	3734283	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
8595	500094.2	3734283	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
8596	500104	3734283	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.29E-05	1.77E-04	0.00E+00	0.00E+00
8597	500113.9	3734283	0.000545	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
8598	500123.7	3734283	0.00054	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.95E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00
8599	500133.5	3734283	0.000534	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.85E-04	0.00E+00	0.00E+00	8.04E-05	1.72E-04	0.00E+00	0.00E+00
8600	500143.3	3734283	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8601	500153.2	3734283	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8602	500163	3734283	0.000517	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.54E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
8603	500172.8	3734283	0.000512	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.43E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
8604	500182.6	3734283	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.62E-05	1.62E-04	0.00E+00	0.00E+00
8605	499849.4	3734319	0.000582	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	1.07E-03	0.00E+00	0.00E+00	8.76E-05	1.87E-04	0.00E+00	0.00E+00
8606	499840.5	3734315	0.000584	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
8607	499831.6	3734312	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
8608	499822.7	3734308	0.00059	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.88E-05	1.89E-04	0.00E+00	0.00E+00
8609	499813.8	3734304	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8610	499804.8	3734300	0.000594	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.09E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8611	499795.9	3734297	0.000596	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
8612	499787	3734293	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
8613	499778.1	3734289	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00
8614	499769.1	3734285	0.000599	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
8615	499760.2	3734282	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8616	499751.3	3734278	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8617	499742.4	3734274	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8618	499733.5	3734270	0.0006	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.11E-03	0.00E+00	0.00E+00	9.03E-05	1.93E-04	0.00E+00	0.00E+00
8619	499724.5	3734267	0.000599	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.10E-03	0.00E+00	0.00E+00	9.02E-05	1.92E-04	0.00E+00	0.00E+00
8620	499715.6	3734263	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.01E-05	1.92E-04	0.00E+00	0.00E+00

8621	499706.7	3734259	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.99E-05	1.92E-04	0.00E+00	0.00E+00
8622	499697.8	3734256	0.000596	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.10E-03	0.00E+00	0.00E+00	8.97E-05	1.91E-04	0.00E+00	0.00E+00
8623	499688.9	3734252	0.000594	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.10E-03	0.00E+00	0.00E+00	8.94E-05	1.91E-04	0.00E+00	0.00E+00
8624	499679.9	3734248	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.91E-05	1.90E-04	0.00E+00	0.00E+00
8625	499671	3734244	0.00059	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.09E-03	0.00E+00	0.00E+00	8.88E-05	1.89E-04	0.00E+00	0.00E+00
8626	499662.1	3734241	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
8627	499653.2	3734237	0.000584	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.80E-05	1.88E-04	0.00E+00	0.00E+00
8628	499644.3	3734233	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.75E-05	1.87E-04	0.00E+00	0.00E+00
8629	499635.3	3734229	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
8630	499626.4	3734226	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
8631	499617.5	3734222	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
8632	499608.6	3734218	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
8633	499599.7	3734214	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.81E-04	0.00E+00	0.00E+00
8634	499590.7	3734211	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
8635	499581.8	3734207	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
8636	499572.9	3734203	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
8637	499564	3734200	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.17E-05	1.74E-04	0.00E+00	0.00E+00
8638	499555.1	3734196	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
8639	499546.1	3734192	0.000532	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
8640	499537.2	3734188	0.000526	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.69E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
8641	499528.3	3734185	0.00052	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
8642	499519.4	3734181	0.000514	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
8643	499510.5	3734177	0.000508	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.36E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
8644	499501.5	3734173	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8645	499492.6	3734170	0.000495	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.13E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
8646	499483.7	3734166	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
8647	499474.8	3734162	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
8648	499358.8	3734114	0.000393	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
8649	499349.9	3734110	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
8650	499341	3734106	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
8651	499332	3734102	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
8652	499323.1	3734099	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
8653	499314.2	3734095	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
8654	499301.7	3734082	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
8655	499298	3734073	0.000348	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
8656	499294.4	3734064	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
8657	499290.7	3734055	0.000343	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
8658	499287.1	3734046	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
8659	499283.5	3734037	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
8660	499279.8	3734028	0.000336	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
8661	499258	3733975	0.000318	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
8662	499254.4	3733966	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
8663	499250.8	3733957	0.000312	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
8664	499247.1	3733948	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
8665	499243.5	3733939	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
8666	499239.9	3733930	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
8667	499218.1	3733876	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
8668	499214.4	3733867	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
8669	499210.8	3733858	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
8670	499163.5	3733742	0.000235	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
8671	499159.9	3733733	0.000232	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
8672	499156.3	3733724	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00
8673	499152.6	3733715	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
8674	499149	3733706	0.000224	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.18E-05	0.00E+00	0.00E+00
8675	499127.2	3733652	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
8676	499119.9	3733634	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
8677	499083.6	3733545	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
8678	499858.4	3734323	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8679	499868.2	3734323	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8680	499878	3734323	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
8681	499887.8	3734323	0.000578	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.07E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
8682	499897.7	3734323	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
8683	499907.5	3734323	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
8684	499917.3	3734323	0.000575	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.66E-05	1.85E-04	0.00E+00	0.00E+00
8685	499927.1	3734323	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.64E-05	1.84E-04	0.00E+00	0.00E+00
8686	499936.9	3734323	0.000572	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.06E-03	0.00E+00	0.00E+00	8.62E-05	1.84E-04	0.00E+00	0.00E+00
8687	499946.8	3734323	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
8688	499956.6	3734323	0.000569	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
8689	499966.4	3734323	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
8690	499976.2	3734323	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
8691	499986.1	3734323	0.000561	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.45E-05	1.80E-04	0.00E+00	0.00E+00
8692	499995.9	3734323	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
8693	500005.7	3734323	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
8694	500015.5	3734323	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8695	500025.4	3734323	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.26E-05	1.76E-04	0.00E+00	0.00E+00
8696	500035.2	3734323	0.000545	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
8697	500045	3734323	0.000541	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.97E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
8698	500054.8	3734323	0.000537	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.90E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
8699	500064.7	3734323	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8700	500074.5	3734323	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8701	500084.3	3734323	0.000525	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.69E-04	0.00E+00	0.00E+00
8702	500094.1	3734323	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
8703	500104	3734323	0.000516	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.76E-05	1.66E-04	0.00E+00	0.00E+00
8704	500113.8	3734323	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8705	500123.6	3734323	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8706	500133.4	3734323	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8707	500143.3	3734323	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
8708	500153.1	3734323	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8709	500162.9	3734323	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8710	500172.7	3734323	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
8711	500182.6	3734323	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
8712	499849.3	3734359	0.000546	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.22E-05	1.75E-04	0.00E+00	0.00E+00
8713	499840.4	3734355	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
8714	499831.4	3734352	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.31E-05	1.77E-04	0.00E+00	0.00E+00
8715	499822.5	3734348	0.000554	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.34E-05	1.78E-04	0.00E+00	0.00E+00
8716	499813.5	3734344	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
8717	499804.6	3734340	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
8718	499795.7	3734337	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.43E-05	1.80E-04	0.00E+00	0.00E+00
8719	499786.7	3734333	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
8720	499777.8	3734329	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
8721	499768.8	3734325	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
8722	499759.9	3734322	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
8723	499750.9	3734318	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
8724	499742	3734314	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8725	499733	3734310	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8726	499724.1	3734307	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
8727	499715.2	3734303	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
8728	499706.2	3734299	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
8729	499697.3	3734295	0.000563	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.04E-03	0.00E+00	0.00E+00	8.48E-05	1.81E-04	0.00E+00	0.00E+00
8730	499688.3	3734292	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
8731	499679.4	3734288	0.000561	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
8732	499670.4	3734284	0.000559	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.42E-05	1.80E-04	0.00E+00	0.00E+00

8733	499661.5	3734280	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
8734	499652.5	3734277	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
8735	499643.6	3734273	0.000552	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
8736	499634.6	3734269	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.28E-05	1.77E-04	0.00E+00	0.00E+00
8737	499625.7	3734265	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
8738	499616.8	3734262	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.75E-04	0.00E+00	0.00E+00
8739	499607.8	3734258	0.00054	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00
8740	499598.9	3734254	0.000537	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
8741	499589.9	3734250	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
8742	499581	3734247	0.000529	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8743	499572	3734243	0.000524	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.68E-04	0.00E+00	0.00E+00
8744	499563.1	3734239	0.00052	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
8745	499554.1	3734235	0.000515	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.50E-04	0.00E+00	0.00E+00	7.76E-05	1.65E-04	0.00E+00	0.00E+00
8746	499545.2	3734232	0.000511	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.41E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8747	499536.3	3734228	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8748	499527.3	3734224	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8749	499518.4	3734220	0.000495	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.13E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
8750	499509.4	3734217	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
8751	499500.5	3734213	0.000484	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
8752	499491.5	3734209	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
8753	499482.6	3734205	0.000473	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.72E-04	0.00E+00	0.00E+00	7.12E-05	1.52E-04	0.00E+00	0.00E+00
8754	499473.6	3734202	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8755	499464.7	3734198	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
8756	499455.7	3734194	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
8757	499446.8	3734190	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.76E-05	1.44E-04	0.00E+00	0.00E+00
8758	499437.9	3734187	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
8759	499428.9	3734183	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
8760	499420	3734179	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
8761	499411	3734176	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
8762	499285.8	3734123	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
8763	499273.2	3734110	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
8764	499262.3	3734083	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
8765	499258.6	3734074	0.00032	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
8766	499255	3734065	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
8767	499251.3	3734056	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
8768	499247.7	3734047	0.000312	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
8769	499244	3734038	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.66E-05	9.95E-05	0.00E+00	0.00E+00
8770	499222.2	3733985	0.000293	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.42E-05	0.00E+00	0.00E+00
8771	499218.5	3733976	0.000291	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.35E-04	0.00E+00	0.00E+00	4.37E-05	9.33E-05	0.00E+00	0.00E+00
8772	499214.9	3733967	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
8773	499211.2	3733958	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
8774	499207.6	3733949	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
8775	499203.9	3733940	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
8776	499200.3	3733931	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.86E-05	0.00E+00	0.00E+00
8777	499182.1	3733886	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
8778	499178.4	3733877	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
8779	499174.8	3733868	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
8780	499171.1	3733859	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
8781	499123.8	3733742	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.91E-05	0.00E+00	0.00E+00
8782	499120.1	3733733	0.000213	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
8783	499116.5	3733724	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
8784	499094.6	3733670	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
8785	499091	3733661	0.000192	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
8786	499087.3	3733652	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
8787	499043.6	3733544	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.47E-05	5.28E-05	0.00E+00	0.00E+00
8788	499858.3	3734363	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
8789	499868.1	3734363	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
8790	499877.9	3734363	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.17E-05	1.74E-04	0.00E+00	0.00E+00
8791	499887.7	3734363	0.000542	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	1.00E-03	0.00E+00	0.00E+00	8.16E-05	1.74E-04	0.00E+00	0.00E+00
8792	499897.6	3734363	0.000542	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00
8793	499907.4	3734363	0.000541	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.96E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
8794	499917.2	3734363	0.000539	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
8795	499927	3734363	0.000538	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.92E-04	0.00E+00	0.00E+00	8.10E-05	1.73E-04	0.00E+00	0.00E+00
8796	499936.9	3734363	0.000537	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
8797	499946.7	3734363	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8798	499956.5	3734363	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
8799	499966.3	3734363	0.000531	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8800	499976.2	3734363	0.000528	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.74E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
8801	499986	3734363	0.000526	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.69E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
8802	499995.8	3734363	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8803	500005.6	3734363	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8804	500015.5	3734363	0.000517	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.54E-04	0.00E+00	0.00E+00	7.79E-05	1.66E-04	0.00E+00	0.00E+00
8805	500025.3	3734363	0.000514	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
8806	500035.1	3734363	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8807	500044.9	3734363	0.000508	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
8808	500054.8	3734363	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8809	500064.6	3734363	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8810	500074.4	3734363	0.000497	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.15E-04	0.00E+00	0.00E+00	7.48E-05	1.59E-04	0.00E+00	0.00E+00
8811	500084.2	3734363	0.000493	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.08E-04	0.00E+00	0.00E+00	7.42E-05	1.58E-04	0.00E+00	0.00E+00
8812	500094.1	3734363	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
8813	500103.9	3734363	0.000485	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.93E-04	0.00E+00	0.00E+00	7.29E-05	1.56E-04	0.00E+00	0.00E+00
8814	500113.7	3734363	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
8815	500123.5	3734363	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
8816	500133.4	3734363	0.000472	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
8817	500143.2	3734363	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8818	500153	3734363	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
8819	500162.8	3734363	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
8820	500172.7	3734363	0.000453	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.36E-04	0.00E+00	0.00E+00	6.83E-05	1.46E-04	0.00E+00	0.00E+00
8821	500182.5	3734363	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.76E-05	1.44E-04	0.00E+00	0.00E+00
8822	499849.2	3734399	0.000514	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
8823	499840.3	3734395	0.000517	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	9.53E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
8824	499831.3	3734391	0.000519	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
8825	499822.3	3734388	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
8826	499813.4	3734384	0.000524	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.66E-04	0.00E+00	0.00E+00	7.89E-05	1.68E-04	0.00E+00	0.00E+00
8827	499804.4	3734380	0.000526	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.92E-05	1.69E-04	0.00E+00	0.00E+00
8828	499795.4	3734376	0.000528	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.73E-04	0.00E+00	0.00E+00	7.95E-05	1.70E-04	0.00E+00	0.00E+00
8829	499786.5	3734373	0.000529	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
8830	499777.5	3734369	0.000531	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.79E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8831	499768.5	3734365	0.000532	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.81E-04	0.00E+00	0.00E+00	8.01E-05	1.71E-04	0.00E+00	0.00E+00
8832	499759.6	3734361	0.000533	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.83E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8833	499750.6	3734358	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.04E-05	1.71E-04	0.00E+00	0.00E+00
8834	499741.6	3734354	0.000534	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.85E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8835	499732.7	3734350	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8836	499723.7	3734346	0.000535	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.86E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8837	499714.7	3734343	0.000535	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.85E-04	0.00E+00	0.00E+00	8.05E-05	1.72E-04	0.00E+00	0.00E+00
8838	499705.7	3734339	0.000534	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.85E-04	0.00E+00	0.00E+00	8.04E-05	1.72E-04	0.00E+00	0.00E+00
8839	499696.8	3734335	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
8840	499687.8	3734331	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
8841	499678.8	3734328	0.000532	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	9.80E-04	0.00E+00	0.00E+00	8.01E-05	1.71E-04	0.00E+00	0.00E+00
8842	499669.9	3734324	0.000531	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
8843	499660.9	3734320	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
8844	499651.9	3734316	0.000527	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00

8845	499643	3734313	0.000525	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	9.68E-04	0.00E+00	0.00E+00	7.91E-05	1.69E-04	0.00E+00	0.00E+00
8846	499634	3734309	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.88E-05	1.68E-04	0.00E+00	0.00E+00
8847	499625	3734305	0.000521	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.60E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
8848	499616.1	3734301	0.000518	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
8849	499607.1	3734298	0.000515	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.50E-04	0.00E+00	0.00E+00	7.76E-05	1.65E-04	0.00E+00	0.00E+00
8850	499598.1	3734294	0.000512	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.44E-04	0.00E+00	0.00E+00	7.71E-05	1.65E-04	0.00E+00	0.00E+00
8851	499589.2	3734290	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
8852	499580.2	3734286	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8853	499571.2	3734283	0.000502	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
8854	499562.3	3734279	0.000498	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8855	499553.3	3734275	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8856	499544.3	3734271	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8857	499535.4	3734268	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8858	499526.4	3734264	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
8859	499517.4	3734260	0.000477	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
8860	499508.5	3734256	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
8861	499499.5	3734253	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
8862	499490.5	3734249	0.000462	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.52E-04	0.00E+00	0.00E+00	6.96E-05	1.48E-04	0.00E+00	0.00E+00
8863	499481.6	3734245	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
8864	499472.6	3734241	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
8865	499463.6	3734238	0.000447	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.24E-04	0.00E+00	0.00E+00	6.73E-05	1.44E-04	0.00E+00	0.00E+00
8866	499454.7	3734234	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
8867	499445.7	3734230	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
8868	499436.7	3734226	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
8869	499427.8	3734223	0.000425	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.40E-05	1.36E-04	0.00E+00	0.00E+00
8870	499418.8	3734219	0.000419	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.73E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
8871	499409.8	3734215	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
8872	499400.9	3734211	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
8873	499374	3734200	0.000391	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
8874	499365	3734196	0.000385	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
8875	499356	3734193	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
8876	499347	3734189	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
8877	499338.1	3734185	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
8878	499329.1	3734181	0.000362	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
8879	499320.1	3734177	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
8880	499311.2	3734174	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
8881	499302.2	3734170	0.000344	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
8882	499293.2	3734166	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
8883	499230.1	3734102	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
8884	499226.5	3734093	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
8885	499222.8	3734084	0.000296	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.51E-05	0.00E+00	0.00E+00
8886	499219.2	3734075	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
8887	499215.5	3734066	0.000291	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.36E-05	0.00E+00	0.00E+00
8888	499211.9	3734057	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
8889	499189.9	3734003	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
8890	499186.3	3733994	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
8891	499182.6	3733985	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
8892	499179	3733976	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
8893	499175.3	3733967	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
8894	499171.7	3733958	0.000261	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
8895	499168	3733949	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
8896	499146.1	3733895	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.75E-05	0.00E+00	0.00E+00
8897	499142.4	3733886	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
8898	499138.8	3733877	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
8899	499135.1	3733868	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.49E-05	0.00E+00	0.00E+00
8900	499131.5	3733859	0.000231	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
8901	499065.7	3733697	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
8902	499062	3733688	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
8903	499058.4	3733679	0.000181	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.35E-04	0.00E+00	0.00E+00	2.73E-05	5.83E-05	0.00E+00	0.00E+00
8904	499054.7	3733670	0.000179	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.31E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
8905	499051.1	3733661	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
8906	499047.4	3733652	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00
8907	499010.9	3733562	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.00E-05	0.00E+00	0.00E+00
8908	499003.6	3733544	0.000152	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.81E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
8909	499858.2	3734403	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
8910	499868	3734403	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8911	499877.8	3734403	0.000511	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.41E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
8912	499887.7	3734403	0.00051	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.40E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
8913	499897.5	3734403	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.67E-05	1.64E-04	0.00E+00	0.00E+00
8914	499907.3	3734403	0.000508	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.37E-04	0.00E+00	0.00E+00	7.65E-05	1.63E-04	0.00E+00	0.00E+00
8915	499917.1	3734403	0.000507	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.63E-05	1.63E-04	0.00E+00	0.00E+00
8916	499927	3734403	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8917	499936.8	3734403	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8918	499946.6	3734403	0.000502	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.26E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8919	499956.4	3734403	0.000501	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
8920	499966.3	3734403	0.000499	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.19E-04	0.00E+00	0.00E+00	7.51E-05	1.60E-04	0.00E+00	0.00E+00
8921	499976.1	3734403	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
8922	499985.9	3734403	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8923	499995.7	3734403	0.000492	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
8924	500005.6	3734403	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
8925	500015.4	3734403	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
8926	500025.2	3734403	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
8927	500035	3734403	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
8928	500044.9	3734403	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
8929	500054.7	3734403	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
8930	500064.5	3734403	0.000471	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.67E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
8931	500074.3	3734403	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8932	500084.2	3734403	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
8933	500094	3734403	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
8934	500103.8	3734403	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
8935	500113.6	3734403	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
8936	500123.5	3734403	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
8937	500133.3	3734403	0.000445	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.20E-04	0.00E+00	0.00E+00	6.70E-05	1.43E-04	0.00E+00	0.00E+00
8938	500143.1	3734403	0.000441	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.42E-04	0.00E+00	0.00E+00
8939	500152.9	3734403	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
8940	500162.8	3734403	0.000432	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
8941	500172.6	3734403	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
8942	500182.4	3734403	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
8943	499849.1	3734439	0.000485	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.30E-05	1.56E-04	0.00E+00	0.00E+00
8944	499840.1	3734435	0.000488	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	8.99E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
8945	499831.2	3734431	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
8946	499822.2	3734428	0.000492	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.08E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
8947	499813.2	3734424	0.000495	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
8948	499804.2	3734420	0.000497	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	9.15E-04	0.00E+00	0.00E+00	7.48E-05	1.59E-04	0.00E+00	0.00E+00
8949	499795.2	3734416	0.000498	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.19E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8950	499786.2	3734413	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8951	499777.2	3734409	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8952	499768.2	3734405	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8953	499759.2	3734401	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8954	499750.3	3734398	0.000505	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
8955	499741.3	3734394	0.000505	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8956	499732.3	3734390	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00

8957	499723.3	3734386	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8958	499714.3	3734383	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8959	499705.3	3734379	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8960	499696.3	3734375	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
8961	499687.3	3734371	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
8962	499678.4	3734367	0.000505	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.31E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
8963	499669.4	3734364	0.000504	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	9.29E-04	0.00E+00	0.00E+00	7.59E-05	1.62E-04	0.00E+00	0.00E+00
8964	499660.4	3734360	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
8965	499651.4	3734356	0.000501	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.24E-04	0.00E+00	0.00E+00	7.55E-05	1.61E-04	0.00E+00	0.00E+00
8966	499642.4	3734352	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
8967	499633.4	3734349	0.000498	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.18E-04	0.00E+00	0.00E+00	7.50E-05	1.60E-04	0.00E+00	0.00E+00
8968	499624.4	3734345	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
8969	499615.4	3734341	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
8970	499606.5	3734337	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
8971	499597.5	3734334	0.000489	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
8972	499588.5	3734330	0.000487	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
8973	499579.5	3734326	0.000484	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.92E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
8974	499570.5	3734322	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
8975	499561.5	3734319	0.000478	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
8976	499552.5	3734315	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
8977	499543.5	3734311	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
8978	499534.5	3734307	0.000467	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	8.61E-04	0.00E+00	0.00E+00	7.03E-05	1.50E-04	0.00E+00	0.00E+00
8979	499525.6	3734304	0.000463	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
8980	499516.6	3734300	0.000459	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.46E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
8981	499507.6	3734296	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
8982	499498.6	3734292	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
8983	499489.6	3734288	0.000446	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.23E-04	0.00E+00	0.00E+00	6.72E-05	1.43E-04	0.00E+00	0.00E+00
8984	499480.6	3734285	0.000442	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.15E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
8985	499471.6	3734281	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
8986	499462.6	3734277	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
8987	499453.7	3734273	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
8988	499444.7	3734270	0.000423	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.80E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
8989	499435.7	3734266	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
8990	499426.7	3734262	0.000413	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.62E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
8991	499417.7	3734258	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
8992	499408.7	3734255	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
8993	499372.8	3734240	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
8994	499363.8	3734236	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
8995	499354.8	3734232	0.000371	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
8996	499345.8	3734228	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
8997	499336.8	3734225	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
8998	499327.8	3734221	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
8999	499318.8	3734217	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9000	499309.8	3734213	0.000345	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
9001	499300.9	3734209	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9002	499291.9	3734206	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
9003	499282.9	3734202	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
9004	499273.9	3734198	0.000323	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
9005	499264.9	3734194	0.000318	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.87E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
9006	499255.9	3734191	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.01E-04	0.00E+00	0.00E+00
9007	499246.9	3734187	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
9008	499237.9	3734183	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
9009	499229	3734179	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
9010	499216.3	3734167	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
9011	499194.3	3734112	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
9012	499190.7	3734103	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
9013	499187	3734094	0.000275	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.06E-04	0.00E+00	0.00E+00	4.14E-05	8.82E-05	0.00E+00	0.00E+00
9014	499183.3	3734085	0.000273	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
9015	499179.7	3734076	0.00027	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
9016	499176	3734067	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
9017	499157.7	3734022	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
9018	499154	3734013	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
9019	499150.4	3734004	0.000251	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.63E-04	0.00E+00	0.00E+00	3.78E-05	8.07E-05	0.00E+00	0.00E+00
9020	499146.7	3733995	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
9021	499143.1	3733986	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
9022	499139.4	3733977	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
9023	499135.7	3733968	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.64E-05	7.75E-05	0.00E+00	0.00E+00
9024	499113.8	3733914	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
9025	499110.1	3733905	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
9026	499106.4	3733896	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
9027	499102.8	3733887	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.03E-05	0.00E+00	0.00E+00
9028	499099.1	3733878	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
9029	499095.4	3733869	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
9030	499091.8	3733860	0.000212	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
9031	499029.5	3733706	0.000174	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
9032	499025.9	3733697	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
9033	499022.2	3733688	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
9034	499018.5	3733679	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
9035	499014.9	3733670	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
9036	498978.2	3733580	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
9037	498970.9	3733562	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
9038	498967.3	3733553	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
9039	498963.6	3733544	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
9040	499858.1	3734443	0.000482	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
9041	499867.9	3734443	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9042	499877.8	3734443	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9043	499887.6	3734443	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
9044	499897.4	3734443	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
9045	499907.2	3734443	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
9046	499917.1	3734443	0.000478	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
9047	499926.9	3734443	0.000476	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.78E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
9048	499936.7	3734443	0.000475	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.75E-04	0.00E+00	0.00E+00	7.15E-05	1.52E-04	0.00E+00	0.00E+00
9049	499946.5	3734443	0.000473	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.72E-04	0.00E+00	0.00E+00	7.12E-05	1.52E-04	0.00E+00	0.00E+00
9050	499956.4	3734443	0.000471	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
9051	499966.2	3734443	0.00047	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.65E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
9052	499976	3734443	0.000468	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.62E-04	0.00E+00	0.00E+00	7.04E-05	1.50E-04	0.00E+00	0.00E+00
9053	499985.8	3734443	0.000465	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.49E-04	0.00E+00	0.00E+00
9054	499995.7	3734443	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
9055	500005.5	3734443	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9056	500015.3	3734443	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
9057	500025.1	3734443	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
9058	500035	3734443	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
9059	500044.8	3734443	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
9060	500054.6	3734443	0.000447	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.23E-04	0.00E+00	0.00E+00	6.73E-05	1.43E-04	0.00E+00	0.00E+00
9061	500064.4	3734443	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
9062	500074.3	3734443	0.000441	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
9063	500084.1	3734443	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
9064	500093.9	3734443	0.000434	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.54E-05	1.39E-04	0.00E+00	0.00E+00
9065	500103.7	3734443	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
9066	500113.6	3734443	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9067	500123.4	3734443	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
9068	500133.2	3734443	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00

9069	500143	3734443	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
9070	500152.8	3734443	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9071	500162.7	3734443	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
9072	500172.5	3734443	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9073	500182.3	3734443	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9074	499849.1	3734475	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9075	499840.1	3734471	0.000464	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
9076	499831.1	3734467	0.000466	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.59E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00
9077	499822.2	3734463	0.000468	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
9078	499813.2	3734460	0.00047	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
9079	499804.3	3734456	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
9080	499795.3	3734452	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
9081	499786.3	3734448	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
9082	499777.4	3734445	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
9083	499768.4	3734441	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
9084	499759.4	3734437	0.00048	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.84E-04	0.00E+00	0.00E+00	7.22E-05	1.54E-04	0.00E+00	0.00E+00
9085	499750.5	3734433	0.000481	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.86E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
9086	499741.5	3734430	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9087	499732.5	3734426	0.000482	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
9088	499723.6	3734422	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9089	499714.6	3734418	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9090	499705.6	3734415	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9091	499696.7	3734411	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9092	499687.7	3734407	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
9093	499678.7	3734403	0.000482	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.89E-04	0.00E+00	0.00E+00	7.26E-05	1.55E-04	0.00E+00	0.00E+00
9094	499669.8	3734400	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
9095	499660.8	3734396	0.000481	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	8.87E-04	0.00E+00	0.00E+00	7.24E-05	1.54E-04	0.00E+00	0.00E+00
9096	499651.8	3734392	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
9097	499642.9	3734388	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
9098	499633.9	3734385	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
9099	499624.9	3734381	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.17E-05	1.53E-04	0.00E+00	0.00E+00
9100	499616	3734377	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
9101	499607	3734373	0.000472	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.71E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
9102	499598	3734370	0.00047	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
9103	499589.1	3734366	0.000468	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
9104	499580.1	3734362	0.000466	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00
9105	499571.1	3734358	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
9106	499562.2	3734355	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9107	499553.2	3734351	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9108	499544.2	3734347	0.000454	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.37E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
9109	499535.3	3734343	0.000451	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
9110	499526.3	3734340	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
9111	499517.3	3734336	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
9112	499508.4	3734332	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9113	499499.4	3734328	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
9114	499490.4	3734325	0.000433	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
9115	499481.5	3734321	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
9116	499472.5	3734317	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
9117	499463.5	3734313	0.000421	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
9118	499454.6	3734310	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
9119	499445.6	3734306	0.000412	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.60E-04	0.00E+00	0.00E+00	6.21E-05	1.32E-04	0.00E+00	0.00E+00
9120	499436.6	3734302	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
9121	499427.7	3734298	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9122	499418.7	3734295	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9123	499409.8	3734291	0.000394	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
9124	499364.9	3734272	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9125	499356	3734268	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9126	499347	3734265	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
9127	499338	3734261	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
9128	499329.1	3734257	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9129	499320.1	3734253	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
9130	499311.1	3734249	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
9131	499302.2	3734246	0.000336	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
9132	499293.2	3734242	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
9133	499284.2	3734238	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9134	499275.3	3734234	0.000321	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
9135	499266.3	3734231	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
9136	499257.3	3734227	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
9137	499248.4	3734223	0.000306	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
9138	499239.4	3734219	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
9139	499230.4	3734216	0.000297	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
9140	499221.5	3734212	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9141	499212.5	3734208	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
9142	499203.5	3734204	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
9143	499190.9	3734192	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
9144	499154.4	3734102	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
9145	499150.7	3734093	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.19E-05	0.00E+00	0.00E+00
9146	499147.1	3734084	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
9147	499128.8	3734039	0.000242	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
9148	499125.2	3734030	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.70E-05	0.00E+00	0.00E+00
9149	499121.5	3734021	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
9150	499117.8	3734012	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
9151	499114.2	3734003	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.48E-05	0.00E+00	0.00E+00
9152	499110.5	3733994	0.00023	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.40E-05	0.00E+00	0.00E+00
9153	499106.9	3733985	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.43E-05	7.33E-05	0.00E+00	0.00E+00
9154	499085	3733930	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9155	499081.3	3733921	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
9156	499077.7	3733912	0.00021	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
9157	499074	3733903	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
9158	499070.4	3733894	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9159	499008.2	3733741	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
9160	499004.6	3733732	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
9161	499000.9	3733723	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
9162	498997.3	3733714	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
9163	498993.6	3733705	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
9164	498990	3733696	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
9165	498986.3	3733687	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
9166	498982.7	3733678	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
9167	498979	3733669	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
9168	498942.5	3733579	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
9169	498935.2	3733561	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
9170	498931.5	3733552	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
9171	498927.9	3733543	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
9172	499858	3734478	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
9173	499867.9	3734478	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9174	499877.7	3734478	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9175	499887.5	3734479	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
9176	499897.3	3734479	0.000456	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.40E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
9177	499907.2	3734479	0.000455	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
9178	499917	3734479	0.000454	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.36E-04	0.00E+00	0.00E+00	6.83E-05	1.46E-04	0.00E+00	0.00E+00
9179	499926.8	3734479	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
9180	499936.6	3734479	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00

9181	499946.5	3734479	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.76E-05	1.44E-04	0.00E+00	0.00E+00
9182	499956.3	3734479	0.000448	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
9183	499966.1	3734479	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
9184	499975.9	3734479	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
9185	499985.8	3734479	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9186	499995.6	3734479	0.00044	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
9187	500005.4	3734479	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
9188	500015.2	3734479	0.000435	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
9189	500025.1	3734479	0.000433	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9190	500034.9	3734479	0.00043	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
9191	500044.7	3734479	0.000427	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.88E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9192	500054.5	3734479	0.000425	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
9193	500064.4	3734479	0.000422	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
9194	500074.2	3734479	0.000419	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
9195	500084	3734479	0.000416	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
9196	500093.8	3734479	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9197	500103.7	3734479	0.00041	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
9198	500113.5	3734479	0.000407	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
9199	500123.3	3734479	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.30E-04	0.00E+00	0.00E+00
9200	500133.1	3734479	0.0004	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
9201	500143	3734479	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9202	500152.8	3734479	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9203	500162.6	3734479	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9204	500172.4	3734479	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
9205	500182.3	3734479	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
9206	499849	3734510	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
9207	499840.1	3734507	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9208	499831.1	3734503	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
9209	499822.2	3734499	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
9210	499813.2	3734495	0.000448	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
9211	499804.3	3734492	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
9212	499795.4	3734488	0.000452	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.32E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
9213	499786.4	3734484	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
9214	499777.5	3734480	0.000455	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
9215	499768.5	3734477	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.46E-04	0.00E+00	0.00E+00
9216	499759.6	3734473	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9217	499750.6	3734469	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
9218	499741.7	3734465	0.000459	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
9219	499732.7	3734462	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9220	499723.8	3734458	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9221	499714.8	3734454	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9222	499705.9	3734451	0.000461	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9223	499697	3734447	0.000462	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9224	499688	3734443	0.000462	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9225	499679.1	3734439	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
9226	499670.1	3734436	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
9227	499661.2	3734432	0.00046	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.49E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
9228	499652.2	3734428	0.00046	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.47E-04	0.00E+00	0.00E+00	6.92E-05	1.48E-04	0.00E+00	0.00E+00
9229	499643.3	3734424	0.000459	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	8.46E-04	0.00E+00	0.00E+00	6.91E-05	1.47E-04	0.00E+00	0.00E+00
9230	499634.3	3734421	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
9231	499625.4	3734417	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
9232	499616.4	3734413	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.85E-05	1.46E-04	0.00E+00	0.00E+00
9233	499607.5	3734409	0.000454	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	8.36E-04	0.00E+00	0.00E+00	6.83E-05	1.46E-04	0.00E+00	0.00E+00
9234	499598.6	3734406	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
9235	499589.6	3734402	0.00045	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.30E-04	0.00E+00	0.00E+00	6.78E-05	1.45E-04	0.00E+00	0.00E+00
9236	499580.7	3734398	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
9237	499571.7	3734394	0.000446	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.22E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
9238	499562.8	3734391	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
9239	499553.8	3734387	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9240	499544.9	3734383	0.000439	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
9241	499535.9	3734379	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9242	499527	3734376	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
9243	499518	3734372	0.00043	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.92E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
9244	499509.1	3734368	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9245	499500.2	3734364	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
9246	499491.2	3734361	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9247	499482.3	3734357	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.27E-05	1.34E-04	0.00E+00	0.00E+00
9248	499473.3	3734353	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9249	499464.4	3734349	0.000409	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.55E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
9250	499455.4	3734346	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9251	499446.5	3734342	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
9252	499437.5	3734338	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
9253	499428.6	3734334	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.26E-04	0.00E+00	0.00E+00
9254	499419.6	3734331	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9255	499410.7	3734327	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9256	499366	3734308	0.000364	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
9257	499357	3734304	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9258	499348.1	3734301	0.000355	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
9259	499339.1	3734297	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9260	499330.2	3734293	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9261	499321.2	3734289	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
9262	499312.3	3734286	0.000336	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
9263	499303.4	3734282	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
9264	499294.4	3734278	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
9265	499285.5	3734274	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
9266	499276.5	3734271	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
9267	499267.6	3734267	0.000313	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
9268	499258.6	3734263	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
9269	499249.7	3734260	0.000304	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.77E-05	0.00E+00	0.00E+00
9270	499240.7	3734256	0.0003	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.51E-05	9.63E-05	0.00E+00	0.00E+00
9271	499231.8	3734252	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
9272	499222.8	3734248	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
9273	499213.9	3734245	0.000286	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
9274	499205	3734241	0.000282	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
9275	499196	3734237	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
9276	499187.1	3734233	0.000273	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
9277	499178.1	3734230	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
9278	499165.5	3734217	0.000263	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
9279	499140	3734154	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
9280	499118.1	3734100	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
9281	499099.9	3734055	0.000229	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.44E-05	7.35E-05	0.00E+00	0.00E+00
9282	499096.3	3734046	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
9283	499092.6	3734037	0.000225	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
9284	499089	3734028	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
9285	499085.3	3734019	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.07E-05	0.00E+00	0.00E+00
9286	499081.7	3734010	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
9287	499063.5	3733965	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
9288	499059.8	3733956	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9289	499056.2	3733947	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
9290	499052.5	3733938	0.000201	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
9291	499048.9	3733929	0.000199	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
9292	499045.2	3733920	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00

9293	499041.6	3733911	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.25E-05	0.00E+00	0.00E+00
9294	498972.3	3733741	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
9295	498968.7	3733732	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
9296	498965.1	3733723	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
9297	498961.4	3733714	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
9298	498957.8	3733705	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
9299	498954.1	3733696	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
9300	498950.5	3733687	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
9301	498946.8	3733678	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
9302	498943.2	3733669	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
9303	498906.7	3733579	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
9304	498899.4	3733561	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
9305	498895.8	3733552	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
9306	498892.2	3733543	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.04E-05	0.00E+00	0.00E+00
9307	499858	3734514	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
9308	499867.8	3734514	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9309	499877.6	3734514	0.000435	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
9310	499887.4	3734514	0.000434	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
9311	499897.3	3734514	0.000434	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	7.99E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
9312	499907.1	3734514	0.000433	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9313	499916.9	3734514	0.000431	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
9314	499926.7	3734514	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
9315	499936.6	3734514	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
9316	499946.4	3734514	0.000427	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.88E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9317	499956.2	3734514	0.000426	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
9318	499966	3734514	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
9319	499975.9	3734514	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9320	499985.7	3734514	0.00042	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9321	499995.5	3734514	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
9322	500005.3	3734514	0.000416	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
9323	500015.2	3734514	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
9324	500025	3734515	0.000411	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
9325	500034.8	3734515	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
9326	500044.6	3734515	0.000407	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
9327	500054.5	3734515	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9328	500064.3	3734515	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9329	500074.1	3734515	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
9330	500083.9	3734515	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9331	500093.8	3734515	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9332	500103.6	3734515	0.00039	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
9333	500113.4	3734515	0.000387	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.14E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
9334	500123.2	3734515	0.000384	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
9335	500133.1	3734515	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.23E-04	0.00E+00	0.00E+00
9336	500142.9	3734515	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9337	500152.7	3734515	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
9338	500162.5	3734515	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9339	500172.4	3734515	0.000369	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
9340	500182.2	3734515	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.51E-05	1.17E-04	0.00E+00	0.00E+00
9341	499830.8	3734539	0.000423	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.80E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9342	499821.7	3734535	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
9343	499812.7	3734531	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
9344	499803.7	3734527	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
9345	499794.6	3734523	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
9346	499785.6	3734520	0.000432	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9347	499776.5	3734516	0.000434	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
9348	499767.5	3734512	0.000435	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.02E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9349	499758.5	3734508	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
9350	499749.4	3734504	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
9351	499740.4	3734501	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
9352	499731.4	3734497	0.00044	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
9353	499722.3	3734493	0.00044	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
9354	499713.3	3734489	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9355	499704.2	3734486	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9356	499695.2	3734482	0.000441	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9357	499686.2	3734478	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9358	499677.1	3734474	0.000442	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.14E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
9359	499668.1	3734470	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9360	499659	3734467	0.000441	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	8.13E-04	0.00E+00	0.00E+00	6.64E-05	1.42E-04	0.00E+00	0.00E+00
9361	499650	3734463	0.00044	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
9362	499641	3734459	0.00044	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.10E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
9363	499631.9	3734455	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
9364	499622.9	3734451	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
9365	499613.8	3734448	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
9366	499604.8	3734444	0.000435	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
9367	499595.8	3734440	0.000434	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.00E-04	0.00E+00	0.00E+00	6.53E-05	1.39E-04	0.00E+00	0.00E+00
9368	499586.7	3734436	0.000432	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
9369	499577.7	3734433	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
9370	499568.6	3734429	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
9371	499559.6	3734425	0.000427	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
9372	499550.6	3734421	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
9373	499541.5	3734417	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9374	499532.5	3734414	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
9375	499523.4	3734410	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
9376	499514.4	3734406	0.000414	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
9377	499505.4	3734402	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
9378	499496.3	3734399	0.000409	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
9379	499487.3	3734395	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9380	499478.2	3734391	0.000402	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
9381	499469.2	3734387	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9382	499460.2	3734383	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9383	499451.1	3734380	0.000392	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
9384	499442.1	3734376	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9385	499433	3734372	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9386	499424	3734368	0.000382	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.23E-04	0.00E+00	0.00E+00
9387	499415	3734364	0.000378	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9388	499369.8	3734346	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
9389	499360.7	3734342	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
9390	499351.7	3734338	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
9391	499342.7	3734334	0.000345	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9392	499333.6	3734330	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
9393	499324.6	3734327	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
9394	499315.5	3734323	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
9395	499306.5	3734319	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
9396	499297.5	3734315	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
9397	499288.4	3734311	0.00032	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9398	499279.4	3734308	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
9399	499270.3	3734304	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
9400	499261.3	3734300	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
9401	499252.3	3734296	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
9402	499243.2	3734293	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
9403	499234.2	3734289	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
9404	499225.1	3734285	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00

9405	499216.1	3734281	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.29E-05	9.16E-05	0.00E+00	0.00E+00
9406	499207.1	3734277	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
9407	499198	3734274	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
9408	499189	3734270	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
9409	499179.9	3734266	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
9410	499170.9	3734262	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
9411	499161.9	3734258	0.00026	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.79E-04	0.00E+00	0.00E+00	3.91E-05	8.35E-05	0.00E+00	0.00E+00
9412	499152.8	3734255	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
9413	499140.1	3734242	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
9414	499136.4	3734233	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
9415	499132.7	3734224	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
9416	499129	3734215	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
9417	499125.4	3734206	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.84E-05	0.00E+00	0.00E+00
9418	499121.7	3734196	0.000242	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.78E-05	0.00E+00	0.00E+00
9419	499118	3734187	0.000241	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.73E-05	0.00E+00	0.00E+00
9420	499114.3	3734178	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
9421	499110.6	3734169	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.61E-05	0.00E+00	0.00E+00
9422	499106.9	3734160	0.000235	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.54E-05	7.56E-05	0.00E+00	0.00E+00
9423	499103.3	3734151	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
9424	499099.6	3734142	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
9425	499073.8	3734078	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
9426	499070.1	3734069	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.94E-05	0.00E+00	0.00E+00
9427	499066.4	3734060	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9428	499062.7	3734051	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
9429	499059.1	3734042	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
9430	499055.4	3734033	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.13E-05	6.69E-05	0.00E+00	0.00E+00
9431	499033.3	3733978	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
9432	499029.6	3733969	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
9433	499025.9	3733960	0.000192	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
9434	499022.2	3733951	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
9435	499018.5	3733942	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
9436	499014.9	3733933	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
9437	499011.2	3733924	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
9438	498937.5	3733742	0.000148	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.77E-05	0.00E+00	0.00E+00
9439	498933.8	3733733	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
9440	498930.1	3733724	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
9441	498926.5	3733715	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
9442	498922.8	3733706	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
9443	498919.1	3733697	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
9444	498915.4	3733688	0.000139	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
9445	498911.7	3733679	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
9446	498908	3733670	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
9447	498871.2	3733579	0.000123	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
9448	498863.8	3733561	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
9449	498860.2	3733552	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
9450	498856.5	3733543	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
9451	499848.8	3734582	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9452	499839.8	3734578	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
9453	499830.8	3734574	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9454	499821.8	3734570	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9455	499812.7	3734567	0.000408	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.52E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
9456	499803.7	3734563	0.00041	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
9457	499794.7	3734559	0.000411	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
9458	499740.6	3734537	0.000419	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.73E-04	0.00E+00	0.00E+00	6.31E-05	1.35E-04	0.00E+00	0.00E+00
9459	499731.6	3734533	0.00042	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9460	499722.6	3734529	0.000421	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
9461	499713.6	3734525	0.000422	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
9462	499704.5	3734521	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9463	499695.5	3734518	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9464	499686.5	3734514	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9465	499677.5	3734510	0.000423	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.80E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9466	499668.5	3734506	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.37E-05	1.36E-04	0.00E+00	0.00E+00
9467	499659.4	3734503	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9468	499650.4	3734499	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
9469	499641.4	3734495	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
9470	499632.4	3734491	0.000421	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.76E-04	0.00E+00	0.00E+00	6.34E-05	1.35E-04	0.00E+00	0.00E+00
9471	499623.4	3734487	0.000421	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
9472	499614.4	3734484	0.00042	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
9473	499605.3	3734480	0.000419	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
9474	499596.3	3734476	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
9475	499587.3	3734472	0.000416	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	7.67E-04	0.00E+00	0.00E+00	6.26E-05	1.34E-04	0.00E+00	0.00E+00
9476	499578.3	3734469	0.000415	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
9477	499569.3	3734465	0.000413	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	7.61E-04	0.00E+00	0.00E+00	6.22E-05	1.33E-04	0.00E+00	0.00E+00
9478	499560.3	3734461	0.000411	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.58E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
9479	499551.2	3734457	0.000409	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.55E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
9480	499542.2	3734453	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
9481	499533.2	3734450	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9482	499524.2	3734446	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
9483	499515.2	3734442	0.000401	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9484	499506.1	3734438	0.000398	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
9485	499497.1	3734435	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9486	499488.1	3734431	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9487	499370.9	3734382	0.000351	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9488	499361.9	3734378	0.000347	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
9489	499352.8	3734374	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9490	499343.8	3734370	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9491	499334.8	3734367	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
9492	499325.8	3734363	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
9493	499316.8	3734359	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
9494	499307.8	3734355	0.000323	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
9495	499298.7	3734352	0.000319	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9496	499289.7	3734348	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
9497	499280.7	3734344	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
9498	499271.7	3734340	0.000307	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
9499	499262.7	3734336	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
9500	499253.7	3734333	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.61E-05	0.00E+00	0.00E+00
9501	499244.6	3734329	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.45E-05	9.48E-05	0.00E+00	0.00E+00
9502	499235.6	3734325	0.000291	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.38E-05	9.35E-05	0.00E+00	0.00E+00
9503	499226.6	3734321	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
9504	499217.6	3734318	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.26E-05	9.09E-05	0.00E+00	0.00E+00
9505	499208.6	3734314	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
9506	499199.5	3734310	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.84E-05	0.00E+00	0.00E+00
9507	499190.5	3734306	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
9508	499181.5	3734302	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
9509	499172.5	3734299	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
9510	499163.5	3734295	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.33E-05	0.00E+00	0.00E+00
9511	499154.5	3734291	0.000255	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
9512	499145.4	3734287	0.000252	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
9513	499136.4	3734284	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
9514	499127.4	3734280	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
9515	499114.7	3734267	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
9516	499111	3734258	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00

9517	499107.4	3734249	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
9518	499103.7	3734240	0.000234	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
9519	499100	3734231	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
9520	499096.3	3734222	0.000231	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.26E-04	0.00E+00	0.00E+00	3.48E-05	7.43E-05	0.00E+00	0.00E+00
9521	499092.7	3734213	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
9522	499089	3734204	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.33E-05	0.00E+00	0.00E+00
9523	499085.3	3734195	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.27E-05	0.00E+00	0.00E+00
9524	499081.6	3734185	0.000225	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.22E-05	0.00E+00	0.00E+00
9525	499078	3734176	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
9526	499074.3	3734167	0.000221	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.08E-04	0.00E+00	0.00E+00	3.33E-05	7.11E-05	0.00E+00	0.00E+00
9527	499070.6	3734158	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
9528	499066.9	3734149	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
9529	499063.3	3734140	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.94E-05	0.00E+00	0.00E+00
9530	499059.6	3734131	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9531	499037.5	3734077	0.000203	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
9532	499033.9	3734068	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
9533	499030.2	3734059	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
9534	499004.5	3733995	0.000186	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
9535	499000.8	3733986	0.000185	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
9536	498997.1	3733977	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
9537	498993.5	3733968	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
9538	498989.8	3733959	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
9539	498986.1	3733950	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
9540	498967.7	3733905	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
9541	498964.1	3733896	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.34E-05	0.00E+00	0.00E+00
9542	498901.6	3733742	0.000139	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
9543	498897.9	3733732	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
9544	498894.2	3733723	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.38E-05	0.00E+00	0.00E+00
9545	498890.6	3733714	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
9546	498886.9	3733705	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
9547	498883.2	3733696	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
9548	498879.5	3733687	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
9549	498875.9	3733678	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.96E-05	4.17E-05	0.00E+00	0.00E+00
9550	498872.2	3733669	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
9551	498828.1	3733560	0.000115	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.11E-04	0.00E+00	0.00E+00	1.73E-05	3.68E-05	0.00E+00	0.00E+00
9552	498824.4	3733551	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
9553	498820.8	3733542	0.000112	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.07E-04	0.00E+00	0.00E+00	1.69E-05	3.61E-05	0.00E+00	0.00E+00
9554	499857.8	3734586	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
9555	499867.7	3734586	0.000396	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9556	499877.5	3734586	0.000396	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.29E-04	0.00E+00	0.00E+00	5.96E-05	1.27E-04	0.00E+00	0.00E+00
9557	499887.3	3734586	0.000395	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
9558	499897.1	3734586	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
9559	499907	3734586	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9560	499916.8	3734586	0.000392	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.23E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
9561	499926.6	3734586	0.000391	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.26E-04	0.00E+00	0.00E+00
9562	499936.4	3734586	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9563	499946.3	3734586	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9564	499956.1	3734586	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
9565	499965.9	3734586	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9566	499975.7	3734586	0.000384	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
9567	499985.6	3734586	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
9568	499995.4	3734586	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
9569	500005.2	3734586	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9570	500015	3734586	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
9571	500024.8	3734586	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9572	500034.7	3734586	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9573	500044.5	3734586	0.00037	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
9574	500054.3	3734586	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9575	500064.1	3734586	0.000365	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9576	500074	3734586	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
9577	500083.8	3734586	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
9578	500093.6	3734586	0.000358	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
9579	500103.4	3734586	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
9580	500113.3	3734586	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
9581	500123.1	3734586	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9582	500132.9	3734586	0.000348	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
9583	500142.7	3734586	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9584	500152.6	3734586	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9585	500162.4	3734586	0.00034	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
9586	500172.2	3734586	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
9587	500182	3734586	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
9588	499848.8	3734618	0.000382	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.03E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
9589	499839.8	3734614	0.000384	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
9590	499830.8	3734610	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
9591	499821.8	3734606	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9592	499812.8	3734602	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9593	499803.8	3734599	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
9594	499794.8	3734595	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9595	499785.8	3734591	0.000395	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
9596	499776.8	3734587	0.000396	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9597	499767.8	3734584	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
9598	499758.8	3734580	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9599	499749.8	3734576	0.0004	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
9600	499740.8	3734572	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
9601	499731.8	3734569	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
9602	499722.8	3734565	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
9603	499713.8	3734561	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9604	499704.8	3734557	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
9605	499659.8	3734538	0.000406	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.47E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
9606	499650.8	3734535	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9607	499641.8	3734531	0.000405	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.47E-04	0.00E+00	0.00E+00	6.10E-05	1.30E-04	0.00E+00	0.00E+00
9608	499632.8	3734527	0.000405	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	7.46E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
9609	499623.8	3734523	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
9610	499614.8	3734520	0.000403	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.44E-04	0.00E+00	0.00E+00	6.07E-05	1.30E-04	0.00E+00	0.00E+00
9611	499605.8	3734516	0.000403	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
9612	499596.8	3734512	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
9613	499587.8	3734508	0.000401	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.38E-04	0.00E+00	0.00E+00	6.03E-05	1.29E-04	0.00E+00	0.00E+00
9614	499578.8	3734505	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
9615	499569.9	3734501	0.000398	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
9616	499560.9	3734497	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
9617	499551.9	3734493	0.000395	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.28E-04	0.00E+00	0.00E+00	5.95E-05	1.27E-04	0.00E+00	0.00E+00
9618	499542.9	3734489	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
9619	499533.9	3734486	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
9620	499524.9	3734482	0.00039	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.18E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
9621	499515.9	3734478	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9622	499506.9	3734474	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
9623	499497.9	3734471	0.000383	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
9624	499488.9	3734467	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
9625	499479.9	3734463	0.000379	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9626	499470.9	3734459	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
9627	499461.9	3734456	0.000374	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9628	499452.9	3734452	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00

9629	499443.9	3734448	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9630	499434.9	3734444	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9631	499371.9	3734418	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9632	499362.9	3734414	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9633	499353.9	3734410	0.000336	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
9634	499344.9	3734407	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
9635	499335.9	3734403	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
9636	499326.9	3734399	0.000325	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
9637	499317.9	3734395	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
9638	499308.9	3734392	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
9639	499299.9	3734388	0.000314	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.80E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
9640	499290.9	3734384	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
9641	499281.9	3734380	0.000307	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.66E-04	0.00E+00	0.00E+00	4.62E-05	9.86E-05	0.00E+00	0.00E+00
9642	499272.9	3734376	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.57E-05	9.74E-05	0.00E+00	0.00E+00
9643	499263.9	3734373	0.0003	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
9644	499254.9	3734369	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
9645	499245.9	3734365	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9646	499237	3734361	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
9647	499228	3734358	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
9648	499219	3734354	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
9649	499210	3734350	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
9650	499201	3734346	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.11E-05	8.77E-05	0.00E+00	0.00E+00
9651	499192	3734343	0.000269	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.65E-05	0.00E+00	0.00E+00
9652	499183	3734339	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
9653	499174	3734335	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.94E-05	8.41E-05	0.00E+00	0.00E+00
9654	499165	3734331	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
9655	499156	3734328	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
9656	499147	3734324	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
9657	499138	3734320	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
9658	499129	3734316	0.000244	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.49E-04	0.00E+00	0.00E+00	3.67E-05	7.82E-05	0.00E+00	0.00E+00
9659	499120	3734312	0.00024	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.42E-04	0.00E+00	0.00E+00	3.61E-05	7.71E-05	0.00E+00	0.00E+00
9660	499111	3734309	0.000236	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
9661	499102	3734305	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.51E-05	7.48E-05	0.00E+00	0.00E+00
9662	499089.3	3734292	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.33E-05	0.00E+00	0.00E+00
9663	499085.7	3734283	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.41E-05	7.28E-05	0.00E+00	0.00E+00
9664	499082	3734274	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.24E-05	0.00E+00	0.00E+00
9665	499078.3	3734265	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
9666	499074.7	3734256	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
9667	499071	3734247	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
9668	499067.3	3734238	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.05E-05	0.00E+00	0.00E+00
9669	499063.7	3734229	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
9670	499060	3734220	0.000217	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
9671	499056.3	3734211	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
9672	499052.7	3734202	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
9673	499049	3734193	0.000212	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.80E-05	0.00E+00	0.00E+00
9674	499045.3	3734184	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
9675	499041.7	3734175	0.000209	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
9676	499038	3734166	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.12E-05	6.64E-05	0.00E+00	0.00E+00
9677	499034.3	3734157	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9678	499030.7	3734147	0.000204	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.54E-05	0.00E+00	0.00E+00
9679	499027	3734138	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
9680	499023.3	3734129	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.43E-05	0.00E+00	0.00E+00
9681	499019.7	3734120	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
9682	498994	3734057	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
9683	498990.3	3734048	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
9684	498986.7	3734039	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.87E-05	0.00E+00	0.00E+00
9685	498983	3734030	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
9686	498979.3	3734021	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
9687	498975.7	3734012	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
9688	498972	3734003	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
9689	498968.3	3733994	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
9690	498964.7	3733985	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
9691	498961	3733976	0.000171	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
9692	498957.3	3733967	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
9693	498865.7	3733741	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
9694	498862	3733732	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
9695	498858.4	3733723	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
9696	498854.7	3733714	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
9697	498851	3733705	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
9698	498847.4	3733696	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
9699	498843.7	3733687	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
9700	498840	3733677	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
9701	498796	3733569	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
9702	498792.4	3733560	0.000109	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
9703	498788.7	3733551	0.000108	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
9704	498785	3733542	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
9705	499857.8	3734621	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
9706	499867.6	3734621	0.000379	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9707	499877.4	3734621	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9708	499887.2	3734621	0.000377	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.96E-04	0.00E+00	0.00E+00	5.68E-05	1.21E-04	0.00E+00	0.00E+00
9709	499897.1	3734621	0.000376	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
9710	499906.9	3734621	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
9711	499916.7	3734621	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
9712	499926.5	3734621	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9713	499936.4	3734621	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9714	499946.2	3734621	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9715	499956	3734622	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
9716	499965.8	3734622	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9717	499975.7	3734622	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
9718	499985.5	3734622	0.000365	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
9719	499995.3	3734622	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
9720	500005.1	3734622	0.000361	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
9721	500015	3734622	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9722	500024.8	3734622	0.000358	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.59E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
9723	500034.6	3734622	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
9724	500044.4	3734622	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
9725	500054.3	3734622	0.000351	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
9726	500064.1	3734622	0.000349	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.44E-04	0.00E+00	0.00E+00	5.26E-05	1.12E-04	0.00E+00	0.00E+00
9727	500073.9	3734622	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
9728	500083.7	3734622	0.000345	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
9729	500093.5	3734622	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
9730	500103.4	3734622	0.00034	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
9731	500113.2	3734622	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
9732	500123	3734622	0.000336	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
9733	500132.8	3734622	0.000333	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.14E-04	0.00E+00	0.00E+00	5.02E-05	1.07E-04	0.00E+00	0.00E+00
9734	500142.7	3734622	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
9735	500152.5	3734622	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.95E-05	1.05E-04	0.00E+00	0.00E+00
9736	500162.3	3734622	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9737	500172.1	3734622	0.000323	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.96E-04	0.00E+00	0.00E+00	4.87E-05	1.04E-04	0.00E+00	0.00E+00
9738	500182	3734622	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
9739	499848.7	3734653	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9740	499839.7	3734650	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00

9741	499830.8	3734646	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
9742	499821.8	3734642	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9743	499812.8	3734638	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
9744	499803.8	3734634	0.000375	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
9745	499794.8	3734631	0.000376	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
9746	499785.9	3734627	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
9747	499776.9	3734623	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
9748	499767.9	3734619	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
9749	499758.9	3734616	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
9750	499750	3734612	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
9751	499741	3734608	0.000384	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
9752	499732	3734604	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
9753	499723	3734601	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
9754	499714	3734597	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
9755	499705.1	3734593	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
9756	499696.1	3734589	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
9757	499687.1	3734586	0.000389	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
9758	499678.1	3734582	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9759	499669.1	3734578	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9760	499660.2	3734574	0.000389	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9761	499651.2	3734571	0.000389	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9762	499642.2	3734567	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9763	499633.2	3734563	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
9764	499624.3	3734559	0.000389	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
9765	499570.4	3734537	0.000384	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.07E-04	0.00E+00	0.00E+00	5.78E-05	1.23E-04	0.00E+00	0.00E+00
9766	499561.4	3734533	0.000383	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
9767	499552.4	3734529	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
9768	499543.5	3734525	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
9769	499534.5	3734522	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
9770	499525.5	3734518	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
9771	499516.5	3734514	0.000375	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.91E-04	0.00E+00	0.00E+00	5.65E-05	1.20E-04	0.00E+00	0.00E+00
9772	499507.5	3734510	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9773	499498.6	3734507	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9774	499489.6	3734503	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
9775	499480.6	3734499	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
9776	499471.6	3734495	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
9777	499462.6	3734492	0.000363	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
9778	499453.7	3734488	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
9779	499444.7	3734484	0.000358	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.59E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
9780	499435.7	3734480	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
9781	499426.7	3734477	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
9782	499417.8	3734473	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9783	499408.8	3734469	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
9784	499372.9	3734454	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
9785	499363.9	3734450	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
9786	499354.9	3734447	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
9787	499345.9	3734443	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9788	499337	3734439	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
9789	499328	3734435	0.000319	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9790	499319	3734432	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
9791	499310	3734428	0.000313	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
9792	499301	3734424	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.66E-05	9.93E-05	0.00E+00	0.00E+00
9793	499292.1	3734420	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.60E-05	9.82E-05	0.00E+00	0.00E+00
9794	499283.1	3734416	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
9795	499274.1	3734413	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.60E-05	0.00E+00	0.00E+00
9796	499265.1	3734409	0.000295	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.49E-05	0.00E+00	0.00E+00
9797	499256.1	3734405	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9798	499247.2	3734401	0.000288	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
9799	499238.2	3734398	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
9800	499229.2	3734394	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
9801	499220.2	3734390	0.000278	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.92E-05	0.00E+00	0.00E+00
9802	499211.3	3734386	0.000274	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
9803	499202.3	3734383	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
9804	499193.3	3734379	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
9805	499184.3	3734375	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
9806	499175.3	3734371	0.00026	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
9807	499166.4	3734368	0.000257	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.87E-05	8.25E-05	0.00E+00	0.00E+00
9808	499157.4	3734364	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.13E-05	0.00E+00	0.00E+00
9809	499148.4	3734360	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
9810	499139.4	3734356	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
9811	499130.4	3734353	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
9812	499121.5	3734349	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
9813	499112.5	3734345	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
9814	499103.5	3734341	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
9815	499094.5	3734338	0.000229	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.23E-04	0.00E+00	0.00E+00	3.45E-05	7.36E-05	0.00E+00	0.00E+00
9816	499085.6	3734334	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.40E-05	7.26E-05	0.00E+00	0.00E+00
9817	499076.6	3734330	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
9818	499063.9	3734317	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
9819	499060.3	3734308	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
9820	499056.6	3734299	0.000216	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.97E-04	0.00E+00	0.00E+00	3.25E-05	6.92E-05	0.00E+00	0.00E+00
9821	499053	3734290	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.88E-05	0.00E+00	0.00E+00
9822	499049.3	3734281	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
9823	499045.6	3734272	0.000212	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.90E-04	0.00E+00	0.00E+00	3.19E-05	6.79E-05	0.00E+00	0.00E+00
9824	499042	3734263	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
9825	499038.3	3734254	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.14E-05	6.70E-05	0.00E+00	0.00E+00
9826	499034.7	3734245	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
9827	499031	3734236	0.000206	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
9828	499027.4	3734227	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
9829	499023.7	3734218	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.52E-05	0.00E+00	0.00E+00
9830	499020	3734209	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
9831	499016.4	3734200	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
9832	499012.7	3734191	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
9833	499009.1	3734182	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
9834	499005.4	3734173	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
9835	499001.7	3734164	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.22E-05	0.00E+00	0.00E+00
9836	498998.1	3734155	0.000192	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.89E-05	6.17E-05	0.00E+00	0.00E+00
9837	498994.4	3734146	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
9838	498950.5	3734038	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
9839	498946.9	3734029	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.43E-05	0.00E+00	0.00E+00
9840	498943.2	3734020	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
9841	498939.6	3734011	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
9842	498935.9	3734002	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
9843	498932.2	3733993	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
9844	498928.6	3733984	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
9845	498924.9	3733974	0.00016	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
9846	498921.3	3733965	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
9847	498917.6	3733956	0.000157	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
9848	498913.9	3733947	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
9849	498910.3	3733938	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
9850	498906.6	3733929	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
9851	498829.8	3733740	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.97E-05	0.00E+00	0.00E+00
9852	498826.1	3733731	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00

9853	498822.5	3733722	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
9854	498818.8	3733713	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
9855	498815.2	3733704	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
9856	498811.5	3733695	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
9857	498807.8	3733686	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
9858	498804.2	3733677	0.000116	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.72E-05	0.00E+00	0.00E+00
9859	498796.9	3733659	0.000114	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
9860	498760.3	3733569	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
9861	498756.6	3733560	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
9862	498753	3733551	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
9863	498749.3	3733542	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.25E-05	0.00E+00	0.00E+00
9864	499857.7	3734657	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
9865	499867.5	3734657	0.000362	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
9866	499877.3	3734657	0.000362	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
9867	499887.2	3734657	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
9868	499897	3734657	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
9869	499906.8	3734657	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9870	499916.6	3734657	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
9871	499926.5	3734657	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
9872	499936.3	3734657	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
9873	499946.1	3734657	0.000355	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
9874	499955.9	3734657	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.32E-05	1.13E-04	0.00E+00	0.00E+00
9875	499965.8	3734657	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
9876	499975.6	3734657	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9877	499985.4	3734657	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
9878	499995.2	3734657	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
9879	500005.1	3734657	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
9880	500014.9	3734657	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
9881	500024.7	3734657	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
9882	500034.5	3734657	0.00034	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.27E-04	0.00E+00	0.00E+00	5.12E-05	1.09E-04	0.00E+00	0.00E+00
9883	500044.4	3734657	0.000338	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.24E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
9884	500054.2	3734657	0.000336	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.20E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
9885	500064	3734657	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
9886	500073.8	3734657	0.000332	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.13E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
9887	500083.7	3734657	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
9888	500093.5	3734657	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
9889	500103.3	3734658	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9890	500113.1	3734658	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
9891	500123	3734658	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
9892	500132.8	3734658	0.000319	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.89E-04	0.00E+00	0.00E+00	4.81E-05	1.03E-04	0.00E+00	0.00E+00
9893	500142.6	3734658	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
9894	500152.4	3734658	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
9895	500162.3	3734658	0.000313	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
9896	500172.1	3734658	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
9897	500181.9	3734658	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
9898	499848.6	3734689	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
9899	499839.5	3734685	0.000352	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
9900	499830.4	3734681	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
9901	499821.4	3734678	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
9902	499812.3	3734674	0.000357	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.59E-04	0.00E+00	0.00E+00	5.38E-05	1.15E-04	0.00E+00	0.00E+00
9903	499803.3	3734670	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
9904	499794.2	3734666	0.000361	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.65E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
9905	499785.1	3734662	0.000362	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
9906	499776.1	3734659	0.000364	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.70E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
9907	499767	3734655	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
9908	499758	3734651	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
9909	499748.9	3734647	0.000368	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
9910	499739.8	3734643	0.000369	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
9911	499730.8	3734640	0.00037	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
9912	499721.7	3734636	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9913	499712.7	3734632	0.000371	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9914	499703.6	3734628	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
9915	499694.5	3734624	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
9916	499685.5	3734621	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9917	499676.4	3734617	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9918	499667.4	3734613	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9919	499658.3	3734609	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9920	499649.2	3734606	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9921	499640.2	3734602	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9922	499631.1	3734598	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9923	499622.1	3734594	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
9924	499613	3734590	0.000373	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.88E-04	0.00E+00	0.00E+00	5.62E-05	1.20E-04	0.00E+00	0.00E+00
9925	499603.9	3734587	0.000373	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	6.87E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
9926	499594.9	3734583	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.60E-05	1.20E-04	0.00E+00	0.00E+00
9927	499585.8	3734579	0.000372	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.85E-04	0.00E+00	0.00E+00	5.59E-05	1.19E-04	0.00E+00	0.00E+00
9928	499576.8	3734575	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
9929	499549.6	3734564	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
9930	499540.5	3734560	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.52E-05	1.18E-04	0.00E+00	0.00E+00
9931	499477.1	3734533	0.000355	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.54E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
9932	499468	3734530	0.000353	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.51E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
9933	499459	3734526	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
9934	499449.9	3734522	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
9935	499440.9	3734518	0.000346	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
9936	499431.8	3734514	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
9937	499422.7	3734511	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
9938	499413.7	3734507	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
9939	499368.4	3734488	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
9940	499359.3	3734484	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
9941	499350.3	3734480	0.00032	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
9942	499341.2	3734477	0.000317	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
9943	499332.1	3734473	0.000314	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
9944	499323.1	3734469	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.99E-05	0.00E+00	0.00E+00
9945	499314	3734465	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
9946	499305	3734461	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.79E-05	0.00E+00	0.00E+00
9947	499295.9	3734458	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
9948	499286.8	3734454	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
9949	499277.8	3734450	0.000295	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.44E-04	0.00E+00	0.00E+00	4.44E-05	9.48E-05	0.00E+00	0.00E+00
9950	499268.7	3734446	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
9951	499259.7	3734442	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
9952	499250.6	3734439	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
9953	499241.5	3734435	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
9954	499232.5	3734431	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
9955	499223.4	3734427	0.000275	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.85E-05	0.00E+00	0.00E+00
9956	499214.3	3734423	0.000272	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.74E-05	0.00E+00	0.00E+00
9957	499205.3	3734420	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
9958	499196.2	3734416	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.52E-05	0.00E+00	0.00E+00
9959	499187.2	3734412	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
9960	499178.1	3734408	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
9961	499169	3734404	0.000255	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.20E-05	0.00E+00	0.00E+00
9962	499160	3734401	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.09E-05	0.00E+00	0.00E+00
9963	499150.9	3734397	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.75E-05	7.99E-05	0.00E+00	0.00E+00
9964	499141.9	3734393	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.88E-05	0.00E+00	0.00E+00

9965	499132.8	3734389	0.000242	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.46E-04	0.00E+00	0.00E+00	3.64E-05	7.77E-05	0.00E+00	0.00E+00
9966	499123.7	3734386	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.60E-05	7.67E-05	0.00E+00	0.00E+00
9967	499114.7	3734382	0.000235	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
9968	499105.6	3734378	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.50E-05	7.46E-05	0.00E+00	0.00E+00
9969	499096.6	3734374	0.000229	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
9970	499087.5	3734370	0.000226	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.16E-04	0.00E+00	0.00E+00	3.40E-05	7.25E-05	0.00E+00	0.00E+00
9971	499078.4	3734367	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
9972	499069.4	3734363	0.000219	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.04E-04	0.00E+00	0.00E+00	3.30E-05	7.05E-05	0.00E+00	0.00E+00
9973	499060.3	3734359	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
9974	499051.3	3734355	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
9975	499038.5	3734342	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
9976	499034.8	3734333	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
9977	499031.1	3734324	0.000206	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
9978	499027.4	3734315	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
9979	499023.7	3734306	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
9980	499020.1	3734297	0.000203	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
9981	499016.4	3734288	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
9982	499012.7	3734279	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
9983	499009	3734269	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
9984	499005.3	3734260	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
9985	499001.6	3734251	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
9986	498997.9	3734242	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
9987	498994.2	3734233	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
9988	498990.5	3734224	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.15E-05	0.00E+00	0.00E+00
9989	498986.8	3734215	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
9990	498983.1	3734206	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
9991	498979.4	3734197	0.000187	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
9992	498975.8	3734188	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
9993	498957.3	3734142	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
9994	498953.6	3734133	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
9995	498949.9	3734124	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.62E-05	0.00E+00	0.00E+00
9996	498946.2	3734115	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
9997	498942.5	3734106	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
9998	498938.8	3734097	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
9999	498909.3	3734024	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
10000	498905.6	3734015	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
10001	498901.9	3734006	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
10002	498898.2	3733996	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
10003	498894.5	3733987	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
10004	498890.8	3733978	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
10005	498887.2	3733969	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.24E-05	4.79E-05	0.00E+00	0.00E+00
10006	498883.5	3733960	0.000148	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
10007	498879.8	3733951	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
10008	498876.1	3733942	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
10009	498872.4	3733933	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
10010	498794.9	3733742	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
10011	498791.2	3733732	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
10012	498787.5	3733723	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
10013	498783.8	3733714	0.000114	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.10E-04	0.00E+00	0.00E+00	1.72E-05	3.66E-05	0.00E+00	0.00E+00
10014	498780.1	3733705	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.63E-05	0.00E+00	0.00E+00
10015	498776.4	3733696	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
10016	498772.7	3733687	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
10017	498769	3733678	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
10018	498765.3	3733669	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
10019	498761.6	3733660	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
10020	498757.9	3733651	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
10021	498754.2	3733641	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
10022	498750.6	3733632	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
10023	498746.9	3733623	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
10024	498743.2	3733614	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
10025	498739.5	3733605	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
10026	498735.8	3733596	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
10027	498732.1	3733587	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
10028	498728.4	3733578	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
10029	498724.7	3733569	9.89E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
10030	498721	3733560	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
10031	498717.3	3733550	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
10032	498713.6	3733541	9.65E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
10033	499857.6	3734693	0.000348	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
10034	499867.4	3734693	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.11E-04	0.00E+00	0.00E+00
10035	499877.3	3734693	0.000346	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
10036	499887.1	3734693	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
10037	499896.9	3734693	0.000345	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
10038	499906.7	3734693	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
10039	499916.6	3734693	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
10040	499926.4	3734693	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10041	499936.2	3734693	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10042	499946	3734693	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
10043	499955.9	3734693	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
10044	499965.7	3734693	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
10045	499975.5	3734693	0.000336	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
10046	499985.3	3734693	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
10047	499995.2	3734693	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
10048	500005	3734693	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
10049	500014.8	3734693	0.000329	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.07E-04	0.00E+00	0.00E+00	4.96E-05	1.06E-04	0.00E+00	0.00E+00
10050	500024.6	3734693	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
10051	500034.5	3734693	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
10052	500044.3	3734693	0.000324	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.98E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
10053	500054.1	3734693	0.000322	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.04E-04	0.00E+00	0.00E+00
10054	500063.9	3734693	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
10055	500073.8	3734693	0.000319	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.87E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
10056	500083.6	3734693	0.000317	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.84E-04	0.00E+00	0.00E+00	4.77E-05	1.02E-04	0.00E+00	0.00E+00
10057	500093.4	3734693	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
10058	500103.2	3734693	0.000313	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.76E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
10059	500113.1	3734693	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
10060	500122.9	3734693	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
10061	500132.7	3734693	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.84E-05	0.00E+00	0.00E+00
10062	500142.5	3734693	0.000304	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.61E-04	0.00E+00	0.00E+00	4.58E-05	9.78E-05	0.00E+00	0.00E+00
10063	500152.4	3734693	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
10064	500162.2	3734693	0.0003	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.64E-05	0.00E+00	0.00E+00
10065	500172	3734693	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.49E-05	9.57E-05	0.00E+00	0.00E+00
10066	500181.8	3734693	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
10067	500225.1	3733565	0.00241	4.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	4.44E-03	0.00E+00	0.00E+00	3.63E-04	7.74E-04	0.00E+00	0.00E+00
10068	500233.9	3733534	0.002391	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	4.41E-03	0.00E+00	0.00E+00	3.60E-04	7.68E-04	0.00E+00	0.00E+00
10069	500233.9	3733524	0.002453	4.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03	4.52E-03	0.00E+00	0.00E+00	3.69E-04	7.88E-04	0.00E+00	0.00E+00
10070	500234	3733514	0.002521	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03	4.65E-03	0.00E+00	0.00E+00	3.80E-04	8.10E-04	0.00E+00	0.00E+00
10071	500234	3733505	0.002598	4.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	4.79E-03	0.00E+00	0.00E+00	3.91E-04	8.34E-04	0.00E+00	0.00E+00
10072	500234	3733495	0.002679	4.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03	4.94E-03	0.00E+00	0.00E+00	4.03E-04	8.60E-04	0.00E+00	0.00E+00
10073	500234	3733485	0.002762	5.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	5.09E-03	0.00E+00	0.00E+00	4.16E-04	8.87E-04	0.00E+00	0.00E+00
10074	500234	3733475	0.002844	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	5.24E-03	0.00E+00	0.00E+00	4.28E-04	9.13E-04	0.00E+00	0.00E+00
10075	500234	3733466	0.002921	5.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	5.38E-03	0.00E+00	0.00E+00	4.40E-04	9.38E-04	0.00E+00	0.00E+00
10076	500234	3733456	0.002994	5.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	5.52E-03	0.00E+00	0.00E+00	4.51E-04	9.62E-04	0.00E+00	0.00E+00

10077	500234	3733446	0.003067	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03	5.65E-03	0.00E+00	0.00E+00	4.62E-04	9.85E-04	0.00E+00	0.00E+00
10078	500234	3733436	0.003136	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03	5.78E-03	0.00E+00	0.00E+00	4.72E-04	1.01E-03	0.00E+00	0.00E+00
10079	500234	3733427	0.0032	5.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03	5.90E-03	0.00E+00	0.00E+00	4.82E-04	1.03E-03	0.00E+00	0.00E+00
10080	500234.1	3733417	0.003259	6.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	6.01E-03	0.00E+00	0.00E+00	4.91E-04	1.05E-03	0.00E+00	0.00E+00
10081	500234.1	3733407	0.003313	6.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-03	6.11E-03	0.00E+00	0.00E+00	4.99E-04	1.06E-03	0.00E+00	0.00E+00
10082	500234.1	3733378	0.003448	6.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	6.35E-03	0.00E+00	0.00E+00	5.19E-04	1.11E-03	0.00E+00	0.00E+00
10083	500234.1	3733368	0.003484	6.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	6.42E-03	0.00E+00	0.00E+00	5.24E-04	1.12E-03	0.00E+00	0.00E+00
10084	500234.1	3733359	0.003514	6.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	6.48E-03	0.00E+00	0.00E+00	5.29E-04	1.13E-03	0.00E+00	0.00E+00
10085	500234.1	3733349	0.003541	6.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.53E-03	0.00E+00	0.00E+00	5.33E-04	1.14E-03	0.00E+00	0.00E+00
10086	500234.1	3733339	0.003563	6.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03	6.57E-03	0.00E+00	0.00E+00	5.36E-04	1.14E-03	0.00E+00	0.00E+00
10087	500234.1	3733330	0.003581	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03	6.60E-03	0.00E+00	0.00E+00	5.39E-04	1.15E-03	0.00E+00	0.00E+00
10088	500234.2	3733320	0.003595	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03	6.63E-03	0.00E+00	0.00E+00	5.41E-04	1.15E-03	0.00E+00	0.00E+00
10089	500234.2	3733310	0.003604	6.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	6.64E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10090	500234.2	3733300	0.003609	6.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	6.65E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10091	500234.2	3733291	0.003609	6.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	6.65E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10092	500234.2	3733281	0.003605	6.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	6.64E-03	0.00E+00	0.00E+00	5.43E-04	1.16E-03	0.00E+00	0.00E+00
10093	500234.2	3733271	0.003595	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	6.63E-03	0.00E+00	0.00E+00	5.41E-04	1.15E-03	0.00E+00	0.00E+00
10094	500234.2	3733261	0.003581	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03	6.60E-03	0.00E+00	0.00E+00	5.39E-04	1.15E-03	0.00E+00	0.00E+00
10095	500234.2	3733252	0.003563	6.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03	6.57E-03	0.00E+00	0.00E+00	5.36E-04	1.14E-03	0.00E+00	0.00E+00
10096	500234.2	3733242	0.003541	6.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	6.53E-03	0.00E+00	0.00E+00	5.33E-04	1.14E-03	0.00E+00	0.00E+00
10097	500234.2	3733232	0.003516	6.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-03	6.48E-03	0.00E+00	0.00E+00	5.29E-04	1.13E-03	0.00E+00	0.00E+00
10098	500234.3	3733223	0.003488	6.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-03	6.43E-03	0.00E+00	0.00E+00	5.25E-04	1.12E-03	0.00E+00	0.00E+00
10099	500234.3	3733213	0.003457	6.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	6.37E-03	0.00E+00	0.00E+00	5.20E-04	1.11E-03	0.00E+00	0.00E+00
10100	500234.3	3733203	0.003422	6.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	6.31E-03	0.00E+00	0.00E+00	5.15E-04	1.10E-03	0.00E+00	0.00E+00
10101	500246.9	3733560	0.001978	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	3.65E-03	0.00E+00	0.00E+00	2.98E-04	6.35E-04	0.00E+00	0.00E+00
10102	500243.3	3733569	0.002004	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	3.69E-03	0.00E+00	0.00E+00	3.02E-04	6.43E-04	0.00E+00	0.00E+00
10103	500239.8	3733577	0.002025	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.73E-03	0.00E+00	0.00E+00	3.05E-04	6.50E-04	0.00E+00	0.00E+00
10104	500227.8	3733589	0.002171	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
10105	500219.3	3733593	0.002308	4.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	4.25E-03	0.00E+00	0.00E+00	3.47E-04	7.41E-04	0.00E+00	0.00E+00
10106	500254.1	3733378	0.002656	4.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	4.90E-03	0.00E+00	0.00E+00	4.00E-04	8.53E-04	0.00E+00	0.00E+00
10107	500254.1	3733368	0.002687	4.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	4.95E-03	0.00E+00	0.00E+00	4.05E-04	8.63E-04	0.00E+00	0.00E+00
10108	500254.1	3733359	0.002712	5.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	5.00E-03	0.00E+00	0.00E+00	4.08E-04	8.71E-04	0.00E+00	0.00E+00
10109	500254.1	3733349	0.002734	5.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03	5.04E-03	0.00E+00	0.00E+00	4.12E-04	8.78E-04	0.00E+00	0.00E+00
10110	500254.1	3733339	0.002753	5.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03	5.07E-03	0.00E+00	0.00E+00	4.14E-04	8.84E-04	0.00E+00	0.00E+00
10111	500254.1	3733330	0.002771	5.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	5.11E-03	0.00E+00	0.00E+00	4.17E-04	8.90E-04	0.00E+00	0.00E+00
10112	500254.2	3733320	0.002788	5.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03	5.14E-03	0.00E+00	0.00E+00	4.20E-04	8.95E-04	0.00E+00	0.00E+00
10113	500254.2	3733310	0.002802	5.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.16E-03	0.00E+00	0.00E+00	4.22E-04	9.00E-04	0.00E+00	0.00E+00
10114	500254.2	3733300	0.002811	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	5.18E-03	0.00E+00	0.00E+00	4.23E-04	9.03E-04	0.00E+00	0.00E+00
10115	500254.2	3733291	0.002817	5.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	5.19E-03	0.00E+00	0.00E+00	4.24E-04	9.05E-04	0.00E+00	0.00E+00
10116	500254.2	3733281	0.002819	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	5.20E-03	0.00E+00	0.00E+00	4.24E-04	9.05E-04	0.00E+00	0.00E+00
10117	500254.2	3733271	0.002818	5.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	5.19E-03	0.00E+00	0.00E+00	4.24E-04	9.05E-04	0.00E+00	0.00E+00
10118	500254.2	3733261	0.002812	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	5.18E-03	0.00E+00	0.00E+00	4.23E-04	9.03E-04	0.00E+00	0.00E+00
10119	500254.2	3733252	0.002804	5.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.17E-03	0.00E+00	0.00E+00	4.22E-04	9.01E-04	0.00E+00	0.00E+00
10120	500254.2	3733242	0.002795	5.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	5.15E-03	0.00E+00	0.00E+00	4.21E-04	8.98E-04	0.00E+00	0.00E+00
10121	500254.2	3733232	0.002787	5.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03	5.14E-03	0.00E+00	0.00E+00	4.20E-04	8.95E-04	0.00E+00	0.00E+00
10122	500254.3	3733223	0.002777	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	5.12E-03	0.00E+00	0.00E+00	4.18E-04	8.92E-04	0.00E+00	0.00E+00
10123	500270.6	3733552	0.001642	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
10124	500242.3	3733603	0.001858	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.42E-03	0.00E+00	0.00E+00	2.80E-04	5.97E-04	0.00E+00	0.00E+00
10125	500226.1	3733610	0.002059	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.79E-03	0.00E+00	0.00E+00	3.10E-04	6.61E-04	0.00E+00	0.00E+00
10126	500273.9	3733534	0.001639	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.02E-03	0.00E+00	0.00E+00	2.47E-04	5.26E-04	0.00E+00	0.00E+00
10127	500274	3733505	0.001711	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.15E-03	0.00E+00	0.00E+00	2.58E-04	5.49E-04	0.00E+00	0.00E+00
10128	500274	3733495	0.001739	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	3.20E-03	0.00E+00	0.00E+00	2.62E-04	5.58E-04	0.00E+00	0.00E+00
10129	500274	3733485	0.001768	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	3.26E-03	0.00E+00	0.00E+00	2.66E-04	5.68E-04	0.00E+00	0.00E+00
10130	500274	3733475	0.0018	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
10131	500274	3733466	0.001832	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.38E-03	0.00E+00	0.00E+00	2.76E-04	5.88E-04	0.00E+00	0.00E+00
10132	500274	3733456	0.001866	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
10133	500274	3733446	0.0019	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
10134	500274.1	3733417	0.002	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	3.69E-03	0.00E+00	0.00E+00	3.01E-04	6.42E-04	0.00E+00	0.00E+00
10135	500274.1	3733407	0.002032	3.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	3.75E-03	0.00E+00	0.00E+00	3.06E-04	6.53E-04	0.00E+00	0.00E+00
10136	500274.1	3733398	0.002062	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	3.80E-03	0.00E+00	0.00E+00	3.10E-04	6.62E-04	0.00E+00	0.00E+00
10137	500274.1	3733388	0.00209	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	3.85E-03	0.00E+00	0.00E+00	3.15E-04	6.71E-04	0.00E+00	0.00E+00
10138	500274.1	3733378	0.002116	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	3.90E-03	0.00E+00	0.00E+00	3.19E-04	6.80E-04	0.00E+00	0.00E+00
10139	500274.1	3733368	0.00214	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	3.94E-03	0.00E+00	0.00E+00	3.22E-04	6.87E-04	0.00E+00	0.00E+00
10140	500274.1	3733339	0.0022	4.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	4.06E-03	0.00E+00	0.00E+00	3.31E-04	7.07E-04	0.00E+00	0.00E+00
10141	500274.1	3733330	0.002217	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	4.09E-03	0.00E+00	0.00E+00	3.34E-04	7.12E-04	0.00E+00	0.00E+00
10142	500274.2	3733320	0.002233	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	4.12E-03	0.00E+00	0.00E+00	3.36E-04	7.17E-04	0.00E+00	0.00E+00
10143	500274.2	3733310	0.002247	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	4.14E-03	0.00E+00	0.00E+00	3.38E-04	7.22E-04	0.00E+00	0.00E+00
10144	500274.2	3733300	0.002258	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	4.16E-03	0.00E+00	0.00E+00	3.40E-04	7.25E-04	0.00E+00	0.00E+00
10145	500274.2	3733291	0.002267	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.18E-03	0.00E+00	0.00E+00	3.41E-04	7.28E-04	0.00E+00	0.00E+00
10146	500274.2	3733281	0.002273	4.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.19E-03	0.00E+00	0.00E+00	3.42E-04	7.30E-04	0.00E+00	0.00E+00
10147	500274.2	3733252	0.002279	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
10148	500274.2	3733242	0.002279	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
10149	500274.2	3733232	0.002278	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.32E-04	0.00E+00	0.00E+00
10150	500274.3	3733223	0.002276	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	4.20E-03	0.00E+00	0.00E+00	3.43E-04	7.31E-04	0.00E+00	0.00E+00
10151	500290.3	3733552	0.001411	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.53E-04	0.00E+00	0.00E+00
10152	500286.6	3733561	0.001435	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.16E-04	4.61E-04	0.00E+00	0.00E+00
10153	500282.9	3733570	0.001458	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.19E-04	4.68E-04	0.00E+00	0.00E+00
10154	500279.2	3733579	0.00148	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.75E-04	0.00E+00	0.00E+00
10155	500275.6	3733588	0.0015	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.76E-03	0.00E+00	0.00E+00	2.26E-04	4.82E-04	0.00E+00	0.00E+00
10156	500255.7	3733618	0.001631	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	3.01E-03	0.00E+00	0.00E+00	2.46E-04	5.24E-04	0.00E+00	0.00E+00
10157	500246.8	3733622	0.001718	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	3.17E-03	0.00E+00	0.00E+00	2.59E-04	5.52E-04	0.00E+00	0.00E+00
10158	500238	3733625	0.001808	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	3.33E-03	0.00E+00	0.00E+00	2.72E-04	5.81E-04	0.00E+00	0.00E+00
10159	500229.1	3733629	0.001899	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
10160	500220.3	3733632	0.001992	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	3.67E-03	0.00E+00	0.00E+00	3.00E-04	6.40E-04	0.00E+00	0.00E+00
10161	500293.9	3733544	0.001386	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.56E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
10162	500293.9	3733534	0.0014	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.58E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
10163	500294	3733505	0.001447	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	2.67E-03	0.00E+00	0.00E+00	2.18E-04	4.65E-04	0.00E+00	0.00E+00
10164	500294	3733495	0.001465	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.70E-04	0.00E+00	0.00E+00
10165	500294	3733485	0.001484	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.73E-03	0.00E+00	0.00E+00	2.23E-04	4.77E-04	0.00E+00	0.00E+00
10166	500294	3733475	0.001504	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.77E-03	0.00E+00	0.00E+00	2.26E-04	4.83E-04	0.00E+00	0.00E+00
10167	500294	3733466	0.001525	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.81E-03	0.00E+00	0.00E+00	2.30E-04	4.90E-04	0.00E+00	0.00E+00
10168	500294	3733456	0.001548	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.85E-03	0.00E+00	0.00E+00	2.33E-04	4.97E-04	0.00E+00	0.00E+00
10169	500294	3733446	0.001571	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
10170	500294.1	3733417	0.001641	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
10171	500294.1	3733407	0.001665	3.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	3.07E-03	0.00E+00	0.00E+00	2.51E-04	5.35E-04	0.00E+00	0.00E+00
10172	500294.1	3733398	0.001687	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	3.11E-03	0.00E+00	0.00E+00	2.54E-04	5.42E-04	0.00E+00	0.00E+00
10173	500294.1	3733388	0.001708	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	3.15E-03	0.00E+00	0.00E+00	2.57E-04	5.49E-04	0.00E+00	0.00E+00
10174	500294.1	3733378	0.001728	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.19E-03	0.00E+00	0.00E+00	2.60E-04	5.55E-04	0.00E+00	0.00E+00
10175	500294.1	3733368	0.001747	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	3.22E-03	0.00E+00	0.00E+00	2.63E-04	5.61E-04	0.00E+00	0.00E+00
10176	500294.1	3733339	0.001801	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
10177	500294.1	3733330	0.001816	3.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.35E-03	0.00E+00	0.00E+00	2.73E-04	5.83E-04	0.00E+00	0.00E+00
10178	500294.2	3733320	0.001831	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	3.37E-03	0.00E+00	0.00E+00	2.76E-04	5.88E-04	0.00E+00	0.00E+00
10179	500294.2	3733310	0.001843	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	3.40E-03	0.00E+00	0.00E+00	2.78E-04	5.92E-04	0.00E+00	0.00E+00
10180	500294.2	3733300	0.001855	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	3.42E-03	0.00E+00	0.00E+00	2.79E-04	5.96E-04	0.00E+00	0.00E+00
10181	500294.2	3733291	0.001865	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	3.44E-03	0.00E+00	0.00E+00	2.81E-04	5.99E-04	0.00E+00	0.00E+00
10182	500294.2	3733281	0.001873	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	3.45E-03	0.00E+00	0.00E+00	2.82E-04	6.02E-04	0.00E+00	0.00E+00
10183	500294.2	3733252	0.001893	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	3.49E-03	0.00E+00	0.00E+00	2.85E-04	6.08E-04	0.00E+00	0.00E+00
10184	500294.2	3733242	0.001897	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.09E-04	0.00E+00	0.00E+00
10185	500294.2	3733232	0.0019	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.50E-03	0.00E+00	0.00E+00	2.86E-04	6.10E-04	0.00E+00	0.00E+00
10186	500294.3	3733223	0.001902	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.86E-04	6.11E-04	0.00E+00	0.00E+00
10187	500294.3	3733213	0.001904	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.11E-04	0.00E+00	0.00E+00
10188	500294.3	3733203	0.001904	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	3.51E-03	0.00E+00	0.00E+00	2.87E-04	6.11E-04	0.00E+00	0.00E+00

10189	500310.4	3733552	0.001224	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.26E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
10190	500306.9	3733560	0.001245	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	4.00E-04	0.00E+00	0.00E+00
10191	500303.3	3733569	0.001265	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.33E-03	0.00E+00	0.00E+00	1.90E-04	4.06E-04	0.00E+00	0.00E+00
10192	500299.8	3733577	0.001284	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.37E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
10193	500296.3	3733586	0.001303	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.40E-03	0.00E+00	0.00E+00	1.96E-04	4.18E-04	0.00E+00	0.00E+00
10194	500285.7	3733611	0.001352	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	2.49E-03	0.00E+00	0.00E+00	2.04E-04	4.34E-04	0.00E+00	0.00E+00
10195	500282.2	3733620	0.001365	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.52E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
10196	500270.2	3733632	0.001442	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
10197	500261.7	3733635	0.001511	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.78E-03	0.00E+00	0.00E+00	2.27E-04	4.85E-04	0.00E+00	0.00E+00
10198	500253.2	3733639	0.001581	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	2.91E-03	0.00E+00	0.00E+00	2.38E-04	5.08E-04	0.00E+00	0.00E+00
10199	500244.7	3733642	0.001653	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
10200	500236.2	3733646	0.001726	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	3.18E-03	0.00E+00	0.00E+00	2.60E-04	5.54E-04	0.00E+00	0.00E+00
10201	500227.7	3733649	0.0018	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.32E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
10202	500313.9	3733544	0.001204	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.87E-04	0.00E+00	0.00E+00
10203	500313.9	3733534	0.001213	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
10204	500314	3733505	0.001244	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	2.29E-03	0.00E+00	0.00E+00	1.87E-04	4.00E-04	0.00E+00	0.00E+00
10205	500314	3733495	0.001256	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.31E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
10206	500314	3733485	0.001268	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.07E-04	0.00E+00	0.00E+00
10207	500314	3733475	0.001281	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
10208	500314	3733466	0.001295	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
10209	500314	3733456	0.00131	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.42E-03	0.00E+00	0.00E+00	1.97E-04	4.21E-04	0.00E+00	0.00E+00
10210	500314	3733446	0.001326	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.44E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
10211	500314.1	3733417	0.001375	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
10212	500314.1	3733407	0.001392	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.47E-04	0.00E+00	0.00E+00
10213	500314.1	3733398	0.001408	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.60E-03	0.00E+00	0.00E+00	2.12E-04	4.52E-04	0.00E+00	0.00E+00
10214	500314.1	3733388	0.001425	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.63E-03	0.00E+00	0.00E+00	2.14E-04	4.57E-04	0.00E+00	0.00E+00
10215	500314.1	3733378	0.001441	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.66E-03	0.00E+00	0.00E+00	2.17E-04	4.63E-04	0.00E+00	0.00E+00
10216	500314.1	3733368	0.001457	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	2.69E-03	0.00E+00	0.00E+00	2.19E-04	4.68E-04	0.00E+00	0.00E+00
10217	500314.1	3733339	0.001502	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.77E-03	0.00E+00	0.00E+00	2.26E-04	4.82E-04	0.00E+00	0.00E+00
10218	500314.1	3733330	0.001516	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.87E-04	0.00E+00	0.00E+00
10219	500314.2	3733320	0.001529	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.82E-03	0.00E+00	0.00E+00	2.30E-04	4.91E-04	0.00E+00	0.00E+00
10220	500314.2	3733310	0.001541	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.95E-04	0.00E+00	0.00E+00
10221	500314.2	3733300	0.001552	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	2.86E-03	0.00E+00	0.00E+00	2.34E-04	4.98E-04	0.00E+00	0.00E+00
10222	500314.2	3733291	0.001562	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.88E-03	0.00E+00	0.00E+00	2.35E-04	5.01E-04	0.00E+00	0.00E+00
10223	500314.2	3733281	0.00157	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.04E-04	0.00E+00	0.00E+00
10224	500314.2	3733252	0.001595	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.12E-04	0.00E+00	0.00E+00
10225	500314.2	3733242	0.001602	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	2.95E-03	0.00E+00	0.00E+00	2.41E-04	5.14E-04	0.00E+00	0.00E+00
10226	500314.2	3733232	0.001608	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.96E-03	0.00E+00	0.00E+00	2.42E-04	5.16E-04	0.00E+00	0.00E+00
10227	500314.3	3733223	0.001613	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	2.97E-03	0.00E+00	0.00E+00	2.43E-04	5.18E-04	0.00E+00	0.00E+00
10228	500314.3	3733213	0.001618	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.98E-03	0.00E+00	0.00E+00	2.44E-04	5.20E-04	0.00E+00	0.00E+00
10229	500314.3	3733203	0.001622	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	2.99E-03	0.00E+00	0.00E+00	2.44E-04	5.21E-04	0.00E+00	0.00E+00
10230	500330.5	3733552	0.001073	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
10231	500323.6	3733568	0.001108	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10232	500316.8	3733585	0.001143	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.67E-04	0.00E+00	0.00E+00
10233	500303.1	3733618	0.001202	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
10234	500296.2	3733634	0.001226	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.26E-03	0.00E+00	0.00E+00	1.85E-04	3.94E-04	0.00E+00	0.00E+00
10235	500284.5	3733646	0.00129	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	2.38E-03	0.00E+00	0.00E+00	1.94E-04	4.14E-04	0.00E+00	0.00E+00
10236	500268	3733653	0.001403	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	2.59E-03	0.00E+00	0.00E+00	2.11E-04	4.50E-04	0.00E+00	0.00E+00
10237	500251.5	3733660	0.001521	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	2.80E-03	0.00E+00	0.00E+00	2.29E-04	4.88E-04	0.00E+00	0.00E+00
10238	500234.9	3733666	0.001642	3.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	3.03E-03	0.00E+00	0.00E+00	2.47E-04	5.27E-04	0.00E+00	0.00E+00
10239	500333.9	3733534	0.001062	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
10240	500334	3733505	0.001083	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.00E-03	0.00E+00	0.00E+00	1.63E-04	3.48E-04	0.00E+00	0.00E+00
10241	500334	3733495	0.00109	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
10242	500334	3733485	0.001099	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.02E-03	0.00E+00	0.00E+00	1.65E-04	3.53E-04	0.00E+00	0.00E+00
10243	500334	3733475	0.001107	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10244	500334	3733466	0.001117	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.06E-03	0.00E+00	0.00E+00	1.68E-04	3.59E-04	0.00E+00	0.00E+00
10245	500334	3733456	0.001127	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.62E-04	0.00E+00	0.00E+00
10246	500334	3733446	0.001138	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
10247	500334	3733427	0.001161	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.14E-03	0.00E+00	0.00E+00	1.75E-04	3.73E-04	0.00E+00	0.00E+00
10248	500334.1	3733417	0.001173	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.77E-04	3.77E-04	0.00E+00	0.00E+00
10249	500334.1	3733407	0.001184	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.18E-03	0.00E+00	0.00E+00	1.78E-04	3.80E-04	0.00E+00	0.00E+00
10250	500334.1	3733398	0.001196	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.21E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
10251	500334.1	3733388	0.001209	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.23E-03	0.00E+00	0.00E+00	1.82E-04	3.88E-04	0.00E+00	0.00E+00
10252	500334.1	3733378	0.001222	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.92E-04	0.00E+00	0.00E+00
10253	500334.1	3733369	0.001235	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
10254	500334.1	3733339	0.001273	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.35E-03	0.00E+00	0.00E+00	1.92E-04	4.09E-04	0.00E+00	0.00E+00
10255	500334.1	3733330	0.001284	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.37E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
10256	500334.2	3733320	0.001295	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.95E-04	4.16E-04	0.00E+00	0.00E+00
10257	500334.2	3733310	0.001306	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	2.41E-03	0.00E+00	0.00E+00	1.97E-04	4.20E-04	0.00E+00	0.00E+00
10258	500334.2	3733300	0.001317	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.43E-03	0.00E+00	0.00E+00	1.98E-04	4.23E-04	0.00E+00	0.00E+00
10259	500334.2	3733291	0.001327	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
10260	500334.2	3733281	0.001336	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.46E-03	0.00E+00	0.00E+00	2.01E-04	4.29E-04	0.00E+00	0.00E+00
10261	500334.2	3733252	0.001363	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	2.51E-03	0.00E+00	0.00E+00	2.05E-04	4.38E-04	0.00E+00	0.00E+00
10262	500334.2	3733242	0.001371	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.06E-04	4.40E-04	0.00E+00	0.00E+00
10263	500334.2	3733232	0.001379	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.54E-03	0.00E+00	0.00E+00	2.08E-04	4.43E-04	0.00E+00	0.00E+00
10264	500334.3	3733223	0.001386	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.55E-03	0.00E+00	0.00E+00	2.09E-04	4.45E-04	0.00E+00	0.00E+00
10265	500334.3	3733213	0.001393	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	2.57E-03	0.00E+00	0.00E+00	2.10E-04	4.47E-04	0.00E+00	0.00E+00
10266	500350.3	3733552	0.00095	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.05E-04	0.00E+00	0.00E+00
10267	500346.7	3733561	0.000966	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
10268	500343.1	3733570	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
10269	500339.5	3733578	0.000999	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-04	1.84E-03	0.00E+00	0.00E+00	1.50E-04	3.21E-04	0.00E+00	0.00E+00
10270	500335.8	3733587	0.001015	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
10271	500325	3733613	0.001061	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
10272	500321.4	3733622	0.001074	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.98E-03	0.00E+00	0.00E+00	1.62E-04	3.45E-04	0.00E+00	0.00E+00
10273	500317.7	3733631	0.001087	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
10274	500314.1	3733639	0.001099	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.65E-04	3.53E-04	0.00E+00	0.00E+00
10275	500310.5	3733648	0.001109	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10276	500298.2	3733660	0.001167	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
10277	500289.5	3733664	0.001217	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.91E-04	0.00E+00	0.00E+00
10278	500280.7	3733667	0.001269	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	2.34E-03	0.00E+00	0.00E+00	1.91E-04	4.08E-04	0.00E+00	0.00E+00
10279	500272	3733671	0.001322	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	2.44E-03	0.00E+00	0.00E+00	1.99E-04	4.24E-04	0.00E+00	0.00E+00
10280	500263.3	3733675	0.001375	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.42E-04	0.00E+00	0.00E+00
10281	500254.6	3733678	0.00143	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	2.64E-03	0.00E+00	0.00E+00	2.15E-04	4.59E-04	0.00E+00	0.00E+00
10282	500245.9	3733682	0.001485	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.74E-03	0.00E+00	0.00E+00	2.24E-04	4.77E-04	0.00E+00	0.00E+00
10283	500237.2	3733685	0.00154	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	2.84E-03	0.00E+00	0.00E+00	2.32E-04	4.94E-04	0.00E+00	0.00E+00
10284	500228.5	3733689	0.001594	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	2.94E-03	0.00E+00	0.00E+00	2.40E-04	5.12E-04	0.00E+00	0.00E+00
10285	500219.8	3733693	0.001648	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.04E-03	0.00E+00	0.00E+00	2.48E-04	5.29E-04	0.00E+00	0.00E+00
10286	500353.9	3733544	0.000933	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
10287	500353.9	3733534	0.000938	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
10288	500354	3733505	0.000952	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-04	1.75E-03	0.00E+00	0.00E+00	1.43E-04	3.06E-04	0.00E+00	0.00E+00
10289	500354	3733495	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
10290	500354	3733485	0.000962	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.09E-04	0.00E+00	0.00E+00
10291	500354	3733475	0.000968	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-04	1.78E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
10292	500354	3733466	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
10293	500354	3733456	0.000981	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
10294	500354	3733446	0.000989	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
10295	500354.1	3733417	0.001014	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
10296	500354.1	3733407	0.001022	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
10297	500354.1	3733398	0.001032	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.90E-03	0.00E+00	0.00E+00	1.55E-04	3.31E-04	0.00E+00	0.00E+00
10298	500354.1	3733388	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
10299	500354.1	3733378	0.001051	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.38E-04	0.00E+00	0.00E+00
10300	500354.1	3733369	0.001062	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00

10301	500354.1	3733339	0.001093	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.65E-04	3.51E-04	0.00E+00	0.00E+00
10302	500354.1	3733330	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
10303	500354.2	3733320	0.001112	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
10304	500354.2	3733310	0.001121	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.07E-03	0.00E+00	0.00E+00	1.69E-04	3.60E-04	0.00E+00	0.00E+00
10305	500354.2	3733300	0.001131	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
10306	500354.2	3733291	0.001141	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.72E-04	3.66E-04	0.00E+00	0.00E+00
10307	500354.2	3733281	0.00115	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.12E-03	0.00E+00	0.00E+00	1.73E-04	3.69E-04	0.00E+00	0.00E+00
10308	500354.2	3733252	0.001178	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.17E-03	0.00E+00	0.00E+00	1.77E-04	3.78E-04	0.00E+00	0.00E+00
10309	500354.2	3733242	0.001187	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
10310	500354.2	3733232	0.001195	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
10311	500354.3	3733223	0.001203	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.22E-03	0.00E+00	0.00E+00	1.81E-04	3.86E-04	0.00E+00	0.00E+00
10312	500370.4	3733552	0.000846	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
10313	500366.9	3733561	0.00086	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	1.59E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
10314	500363.3	3733569	0.000874	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
10315	500359.8	3733578	0.000889	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
10316	500356.3	3733586	0.000903	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
10317	500342.2	3733620	0.000957	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
10318	500338.7	3733628	0.000969	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	1.79E-03	0.00E+00	0.00E+00	1.46E-04	3.11E-04	0.00E+00	0.00E+00
10319	500335.1	3733637	0.000981	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
10320	500312.5	3733674	0.00106	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.40E-04	0.00E+00	0.00E+00
10321	500304	3733678	0.001102	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
10322	500295.5	3733681	0.001146	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
10323	500287	3733685	0.00119	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.82E-04	0.00E+00	0.00E+00
10324	500278.5	3733688	0.001235	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	2.28E-03	0.00E+00	0.00E+00	1.86E-04	3.97E-04	0.00E+00	0.00E+00
10325	500270	3733692	0.001281	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.11E-04	0.00E+00	0.00E+00
10326	500261.5	3733695	0.001327	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	2.45E-03	0.00E+00	0.00E+00	2.00E-04	4.26E-04	0.00E+00	0.00E+00
10327	500253	3733699	0.001373	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.53E-03	0.00E+00	0.00E+00	2.07E-04	4.41E-04	0.00E+00	0.00E+00
10328	500244.5	3733702	0.00142	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.62E-03	0.00E+00	0.00E+00	2.14E-04	4.56E-04	0.00E+00	0.00E+00
10329	500236.1	3733706	0.001466	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.71E-04	0.00E+00	0.00E+00
10330	500227.6	3733709	0.001512	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	2.79E-03	0.00E+00	0.00E+00	2.28E-04	4.86E-04	0.00E+00	0.00E+00
10331	500373.9	3733544	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
10332	500373.9	3733534	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
10333	500373.9	3733524	0.000837	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.69E-04	0.00E+00	0.00E+00
10334	500374	3733505	0.000843	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.71E-04	0.00E+00	0.00E+00
10335	500374	3733495	0.000846	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
10336	500374	3733485	0.00085	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
10337	500374	3733476	0.000854	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	1.57E-03	0.00E+00	0.00E+00	1.29E-04	2.74E-04	0.00E+00	0.00E+00
10338	500374	3733466	0.000858	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
10339	500374	3733456	0.000863	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
10340	500374.1	3733417	0.000886	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
10341	500374.1	3733407	0.000893	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	1.65E-03	0.00E+00	0.00E+00	1.34E-04	2.87E-04	0.00E+00	0.00E+00
10342	500374.1	3733398	0.0009	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.89E-04	0.00E+00	0.00E+00
10343	500374.1	3733388	0.000908	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.91E-04	0.00E+00	0.00E+00
10344	500374.1	3733378	0.000915	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
10345	500374.1	3733369	0.000924	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.97E-04	0.00E+00	0.00E+00
10346	500374.1	3733330	0.000958	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
10347	500374.2	3733320	0.000966	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	1.78E-03	0.00E+00	0.00E+00	1.45E-04	3.10E-04	0.00E+00	0.00E+00
10348	500374.2	3733310	0.000975	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	1.80E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
10349	500374.2	3733300	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
10350	500374.2	3733291	0.000992	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	1.83E-03	0.00E+00	0.00E+00	1.49E-04	3.19E-04	0.00E+00	0.00E+00
10351	500374.2	3733252	0.001028	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.89E-03	0.00E+00	0.00E+00	1.55E-04	3.30E-04	0.00E+00	0.00E+00
10352	500374.2	3733242	0.001036	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
10353	500374.2	3733232	0.001045	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.93E-03	0.00E+00	0.00E+00	1.57E-04	3.36E-04	0.00E+00	0.00E+00
10354	500390.3	3733552	0.000759	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
10355	500386.6	3733561	0.000772	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10356	500382.9	3733570	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
10357	500379.2	3733579	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
10358	500375.6	3733588	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
10359	500360.9	3733623	0.000863	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
10360	500357.2	3733632	0.000875	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-04	1.61E-03	0.00E+00	0.00E+00	1.32E-04	2.81E-04	0.00E+00	0.00E+00
10361	500353.5	3733641	0.000887	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.85E-04	0.00E+00	0.00E+00
10362	500308.6	3733696	0.001049	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.93E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
10363	500299.7	3733700	0.001089	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.01E-03	0.00E+00	0.00E+00	1.64E-04	3.50E-04	0.00E+00	0.00E+00
10364	500290.9	3733703	0.00113	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.08E-03	0.00E+00	0.00E+00	1.70E-04	3.63E-04	0.00E+00	0.00E+00
10365	500282	3733707	0.001172	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.16E-03	0.00E+00	0.00E+00	1.76E-04	3.76E-04	0.00E+00	0.00E+00
10366	500273.2	3733711	0.001214	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	2.24E-03	0.00E+00	0.00E+00	1.83E-04	3.90E-04	0.00E+00	0.00E+00
10367	500264.3	3733714	0.001256	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.03E-04	0.00E+00	0.00E+00
10368	500255.5	3733718	0.001299	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	2.39E-03	0.00E+00	0.00E+00	1.96E-04	4.17E-04	0.00E+00	0.00E+00
10369	500246.6	3733722	0.001341	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.31E-04	0.00E+00	0.00E+00
10370	500237.8	3733725	0.001383	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	2.55E-03	0.00E+00	0.00E+00	2.08E-04	4.44E-04	0.00E+00	0.00E+00
10371	500228.9	3733729	0.001425	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	2.63E-03	0.00E+00	0.00E+00	2.15E-04	4.58E-04	0.00E+00	0.00E+00
10372	500220.1	3733732	0.001465	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	2.70E-03	0.00E+00	0.00E+00	2.21E-04	4.71E-04	0.00E+00	0.00E+00
10373	500393.9	3733544	0.000746	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
10374	500393.9	3733534	0.000747	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
10375	500393.9	3733524	0.000749	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10376	500394	3733514	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10377	500394	3733505	0.000753	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
10378	500394	3733495	0.000755	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
10379	500394	3733485	0.000757	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
10380	500394	3733476	0.00076	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
10381	500394	3733466	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10382	500394	3733456	0.000766	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10383	500394	3733446	0.00077	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
10384	500394	3733437	0.000774	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	1.43E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10385	500394	3733427	0.000778	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
10386	500394.1	3733417	0.000783	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
10387	500394.1	3733407	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
10388	500394.1	3733398	0.000794	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
10389	500394.1	3733388	0.000799	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.57E-04	0.00E+00	0.00E+00
10390	500394.1	3733378	0.000806	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
10391	500394.1	3733369	0.000812	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	1.50E-03	0.00E+00	0.00E+00	1.22E-04	2.61E-04	0.00E+00	0.00E+00
10392	500394.1	3733359	0.000819	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
10393	500394.1	3733349	0.000826	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
10394	500394.1	3733339	0.000833	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	1.54E-03	0.00E+00	0.00E+00	1.25E-04	2.68E-04	0.00E+00	0.00E+00
10395	500394.1	3733330	0.000841	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	1.55E-03	0.00E+00	0.00E+00	1.27E-04	2.70E-04	0.00E+00	0.00E+00
10396	500394.2	3733320	0.000848	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
10397	500394.2	3733310	0.000855	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
10398	500394.2	3733300	0.000863	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.77E-04	0.00E+00	0.00E+00
10399	500394.2	3733291	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
10400	500394.2	3733281	0.000879	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	1.62E-03	0.00E+00	0.00E+00	1.32E-04	2.82E-04	0.00E+00	0.00E+00
10401	500394.2	3733271	0.000888	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-04	1.64E-03	0.00E+00	0.00E+00	1.34E-04	2.85E-04	0.00E+00	0.00E+00
10402	500394.2	3733262	0.000896	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
10403	500394.2	3733252	0.000904	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	1.67E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
10404	500394.2	3733242	0.000913	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
10405	500420.4	3733552	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
10406	500416.8	3733561	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.96E-05	2.12E-04	0.00E+00	0.00E+00
10407	500413.2	3733569	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10408	500409.7	3733578	0.000683	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
10409	500406.1	3733586	0.000694	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.23E-04	0.00E+00	0.00E+00
10410	500402.6	3733595	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
10411	500399	3733604	0.000716	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10412	500395.5	3733612	0.000727	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.34E-04	0.00E+00	0.00E+00

10413	500391.9	3733621	0.000738	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
10414	500388.3	3733629	0.000749	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.40E-04	0.00E+00	0.00E+00
10415	500384.8	3733638	0.000759	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.44E-04	0.00E+00	0.00E+00
10416	500313.5	3733724	0.000983	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.16E-04	0.00E+00	0.00E+00
10417	500304.9	3733727	0.001016	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.26E-04	0.00E+00	0.00E+00
10418	500296.3	3733731	0.00105	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.94E-03	0.00E+00	0.00E+00	1.58E-04	3.37E-04	0.00E+00	0.00E+00
10419	500423.9	3733544	0.00064	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
10420	500423.9	3733534	0.00064	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.18E-03	0.00E+00	0.00E+00	9.64E-05	2.06E-04	0.00E+00	0.00E+00
10421	500423.9	3733524	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
10422	500424	3733514	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
10423	500424	3733505	0.000643	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	1.18E-03	0.00E+00	0.00E+00	9.68E-05	2.06E-04	0.00E+00	0.00E+00
10424	500424	3733495	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
10425	500424	3733485	0.000645	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.19E-03	0.00E+00	0.00E+00	9.71E-05	2.07E-04	0.00E+00	0.00E+00
10426	500424	3733476	0.000646	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	1.19E-03	0.00E+00	0.00E+00	9.73E-05	2.08E-04	0.00E+00	0.00E+00
10427	500424	3733466	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
10428	500424	3733456	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
10429	500424	3733446	0.000652	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.20E-03	0.00E+00	0.00E+00	9.82E-05	2.09E-04	0.00E+00	0.00E+00
10430	500424	3733437	0.000655	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.21E-03	0.00E+00	0.00E+00	9.86E-05	2.10E-04	0.00E+00	0.00E+00
10431	500424	3733427	0.000658	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
10432	500424.1	3733417	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
10433	500424.1	3733407	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
10434	500424.1	3733398	0.000668	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
10435	500424.1	3733388	0.000672	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10436	500424.1	3733378	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
10437	500424.1	3733369	0.000681	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
10438	500424.1	3733359	0.000686	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
10439	500424.1	3733349	0.000692	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
10440	500424.1	3733339	0.000697	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
10441	500424.1	3733330	0.000703	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
10442	500424.2	3733320	0.000709	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
10443	500424.2	3733310	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10444	500424.2	3733301	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
10445	500424.2	3733291	0.000728	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
10446	500424.2	3733281	0.000735	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
10447	500424.2	3733271	0.000742	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.38E-04	0.00E+00	0.00E+00
10448	500424.2	3733262	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10449	500424.2	3733252	0.000757	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	1.40E-03	0.00E+00	0.00E+00	1.14E-04	2.43E-04	0.00E+00	0.00E+00
10450	500424.2	3733242	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10451	500424.2	3733232	0.000772	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10452	500424.3	3733223	0.00078	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
10453	500424.3	3733213	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
10454	500450.3	3733552	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
10455	500446.6	3733561	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.64E-05	1.84E-04	0.00E+00	0.00E+00
10456	500443	3733570	0.000583	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.07E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
10457	500439.4	3733579	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.90E-04	0.00E+00	0.00E+00
10458	500435.7	3733587	0.000603	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
10459	500432.1	3733596	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.22E-05	1.97E-04	0.00E+00	0.00E+00
10460	500428.4	3733605	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.36E-05	2.00E-04	0.00E+00	0.00E+00
10461	500424.8	3733614	0.000632	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
10462	500421.2	3733622	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.66E-05	2.06E-04	0.00E+00	0.00E+00
10463	500417.5	3733631	0.000651	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.20E-03	0.00E+00	0.00E+00	9.80E-05	2.09E-04	0.00E+00	0.00E+00
10464	500413.9	3733640	0.00066	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
10465	500272.3	3733771	0.001079	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
10466	500263.5	3733774	0.001108	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.04E-03	0.00E+00	0.00E+00	1.67E-04	3.56E-04	0.00E+00	0.00E+00
10467	500254.8	3733778	0.001137	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.10E-03	0.00E+00	0.00E+00	1.71E-04	3.65E-04	0.00E+00	0.00E+00
10468	500246	3733782	0.001166	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.15E-03	0.00E+00	0.00E+00	1.76E-04	3.75E-04	0.00E+00	0.00E+00
10469	500237.2	3733785	0.001195	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.20E-03	0.00E+00	0.00E+00	1.80E-04	3.84E-04	0.00E+00	0.00E+00
10470	500228.5	3733789	0.001222	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	2.25E-03	0.00E+00	0.00E+00	1.84E-04	3.93E-04	0.00E+00	0.00E+00
10471	500453.9	3733544	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
10472	500453.9	3733534	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
10473	500453.9	3733524	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
10474	500454	3733514	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.36E-05	1.78E-04	0.00E+00	0.00E+00
10475	500454	3733505	0.000556	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.02E-03	0.00E+00	0.00E+00	8.37E-05	1.78E-04	0.00E+00	0.00E+00
10476	500454	3733495	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
10477	500454	3733485	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.38E-05	1.79E-04	0.00E+00	0.00E+00
10478	500454	3733476	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
10479	500454	3733466	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
10480	500454	3733456	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.42E-05	1.80E-04	0.00E+00	0.00E+00
10481	500454	3733446	0.000561	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.03E-03	0.00E+00	0.00E+00	8.44E-05	1.80E-04	0.00E+00	0.00E+00
10482	500454	3733437	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.47E-05	1.81E-04	0.00E+00	0.00E+00
10483	500454	3733427	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
10484	500454.1	3733417	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
10485	500454.1	3733408	0.000569	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.05E-03	0.00E+00	0.00E+00	8.56E-05	1.83E-04	0.00E+00	0.00E+00
10486	500454.1	3733398	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.84E-04	0.00E+00	0.00E+00
10487	500454.1	3733388	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.84E-04	0.00E+00	0.00E+00
10488	500454.1	3733378	0.000578	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.06E-03	0.00E+00	0.00E+00	8.70E-05	1.86E-04	0.00E+00	0.00E+00
10489	500454.1	3733369	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.75E-05	1.87E-04	0.00E+00	0.00E+00
10490	500454.1	3733359	0.000585	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.08E-03	0.00E+00	0.00E+00	8.81E-05	1.88E-04	0.00E+00	0.00E+00
10491	500454.1	3733349	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
10492	500454.1	3733339	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.93E-05	1.91E-04	0.00E+00	0.00E+00
10493	500454.1	3733330	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
10494	500454.2	3733320	0.000603	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.11E-03	0.00E+00	0.00E+00	9.08E-05	1.94E-04	0.00E+00	0.00E+00
10495	500454.2	3733310	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.15E-05	1.95E-04	0.00E+00	0.00E+00
10496	500454.2	3733301	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
10497	500454.2	3733291	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
10498	500454.2	3733281	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.41E-05	2.01E-04	0.00E+00	0.00E+00
10499	500454.2	3733271	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
10500	500454.2	3733262	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.59E-05	2.05E-04	0.00E+00	0.00E+00
10501	500454.2	3733252	0.000644	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.19E-03	0.00E+00	0.00E+00	9.69E-05	2.07E-04	0.00E+00	0.00E+00
10502	500454.2	3733242	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.79E-05	2.09E-04	0.00E+00	0.00E+00
10503	500454.2	3733232	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.89E-05	2.11E-04	0.00E+00	0.00E+00
10504	500480.2	3733553	0.000494	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
10505	500476.5	3733562	0.000502	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.25E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
10506	500472.8	3733570	0.00051	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	9.40E-04	0.00E+00	0.00E+00	7.68E-05	1.64E-04	0.00E+00	0.00E+00
10507	500469.1	3733579	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
10508	500465.4	3733588	0.000527	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.71E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
10509	500461.7	3733597	0.000536	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	9.87E-04	0.00E+00	0.00E+00	8.07E-05	1.72E-04	0.00E+00	0.00E+00
10510	500458	3733606	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
10511	500454.3	3733615	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
10512	500450.6	3733624	0.000562	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	1.04E-03	0.00E+00	0.00E+00	8.46E-05	1.80E-04	0.00E+00	0.00E+00
10513	500446.9	3733633	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.59E-05	1.83E-04	0.00E+00	0.00E+00
10514	500443.2	3733642	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.71E-05	1.86E-04	0.00E+00	0.00E+00
10515	500439.4	3733651	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
10516	500435.7	3733660	0.000595	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.96E-05	1.91E-04	0.00E+00	0.00E+00
10517	500432	3733669	0.000604	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.11E-03	0.00E+00	0.00E+00	9.09E-05	1.94E-04	0.00E+00	0.00E+00
10518	500428.3	3733677	0.000612	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-04	1.13E-03	0.00E+00	0.00E+00	9.21E-05	1.96E-04	0.00E+00	0.00E+00
10519	500424.6	3733686	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.32E-05	1.99E-04	0.00E+00	0.00E+00
10520	500345.1	3733771	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.21E-04	2.59E-04	0.00E+00	0.00E+00
10521	500336.2	3733775	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
10522	500327.3	3733778	0.000857	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.75E-04	0.00E+00	0.00E+00
10523	500318.3	3733782	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
10524	500309.4	3733786	0.000909	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04	1.67E-03	0.00E+00	0.00E+00	1.37E-04	2.92E-04	0.00E+00	0.00E+00

10525	500300.5	3733789	0.000934	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	1.72E-03	0.00E+00	0.00E+00	1.41E-04	3.00E-04	0.00E+00	0.00E+00
10526	500291.6	3733793	0.00096	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-04	1.77E-03	0.00E+00	0.00E+00	1.45E-04	3.08E-04	0.00E+00	0.00E+00
10527	500282.6	3733797	0.000986	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	1.82E-03	0.00E+00	0.00E+00	1.48E-04	3.17E-04	0.00E+00	0.00E+00
10528	500273.7	3733800	0.001012	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.86E-03	0.00E+00	0.00E+00	1.52E-04	3.25E-04	0.00E+00	0.00E+00
10529	500264.8	3733804	0.001037	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.91E-03	0.00E+00	0.00E+00	1.56E-04	3.33E-04	0.00E+00	0.00E+00
10530	500255.8	3733808	0.001062	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.96E-03	0.00E+00	0.00E+00	1.60E-04	3.41E-04	0.00E+00	0.00E+00
10531	500246.9	3733811	0.001087	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.00E-03	0.00E+00	0.00E+00	1.64E-04	3.49E-04	0.00E+00	0.00E+00
10532	500238	3733815	0.001111	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.67E-04	3.57E-04	0.00E+00	0.00E+00
10533	500229.1	3733819	0.001134	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.09E-03	0.00E+00	0.00E+00	1.71E-04	3.64E-04	0.00E+00	0.00E+00
10534	500483.9	3733544	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10535	500483.9	3733534	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10536	500483.9	3733524	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10537	500484	3733515	0.000485	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10538	500484	3733505	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10539	500484	3733495	0.000485	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10540	500484	3733485	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10541	500484	3733476	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
10542	500484	3733466	0.000487	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
10543	500484	3733456	0.000487	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.56E-04	0.00E+00	0.00E+00
10544	500484	3733446	0.000488	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
10545	500484	3733437	0.000489	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.02E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
10546	500484	3733427	0.00049	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.04E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
10547	500484.1	3733417	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
10548	500484.1	3733408	0.000494	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.10E-04	0.00E+00	0.00E+00	7.43E-05	1.59E-04	0.00E+00	0.00E+00
10549	500484.1	3733398	0.000496	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.13E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
10550	500484.1	3733388	0.000498	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.17E-04	0.00E+00	0.00E+00	7.49E-05	1.60E-04	0.00E+00	0.00E+00
10551	500484.1	3733378	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
10552	500484.1	3733369	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.62E-04	0.00E+00	0.00E+00
10553	500484.1	3733359	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.62E-05	1.62E-04	0.00E+00	0.00E+00
10554	500484.1	3733349	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
10555	500484.1	3733339	0.000512	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.45E-04	0.00E+00	0.00E+00	7.72E-05	1.65E-04	0.00E+00	0.00E+00
10556	500484.1	3733330	0.000516	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
10557	500484.2	3733320	0.00052	9.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.59E-04	0.00E+00	0.00E+00	7.83E-05	1.67E-04	0.00E+00	0.00E+00
10558	500484.2	3733310	0.000524	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	9.67E-04	0.00E+00	0.00E+00	7.90E-05	1.68E-04	0.00E+00	0.00E+00
10559	500484.2	3733301	0.000529	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.75E-04	0.00E+00	0.00E+00	7.96E-05	1.70E-04	0.00E+00	0.00E+00
10560	500484.2	3733291	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.03E-05	1.71E-04	0.00E+00	0.00E+00
10561	500484.2	3733281	0.000539	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.93E-04	0.00E+00	0.00E+00	8.11E-05	1.73E-04	0.00E+00	0.00E+00
10562	500484.2	3733271	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
10563	500484.2	3733262	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
10564	500484.2	3733252	0.000554	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
10565	500484.2	3733242	0.00056	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.03E-03	0.00E+00	0.00E+00	8.43E-05	1.80E-04	0.00E+00	0.00E+00
10566	500510.3	3733552	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
10567	500506.7	3733561	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
10568	500503.1	3733570	0.000449	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
10569	500499.5	3733579	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
10570	500495.8	3733587	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
10571	500492.2	3733596	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
10572	500488.6	3733605	0.000478	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
10573	500485	3733613	0.000485	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	8.94E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
10574	500481.4	3733622	0.000493	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.08E-04	0.00E+00	0.00E+00	7.42E-05	1.58E-04	0.00E+00	0.00E+00
10575	500477.7	3733631	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
10576	500474.1	3733639	0.000507	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
10577	500470.5	3733648	0.000515	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	9.49E-04	0.00E+00	0.00E+00	7.75E-05	1.65E-04	0.00E+00	0.00E+00
10578	500466.9	3733657	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
10579	500463.3	3733666	0.000529	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
10580	500459.7	3733674	0.000536	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	9.89E-04	0.00E+00	0.00E+00	8.08E-05	1.72E-04	0.00E+00	0.00E+00
10581	500456	3733683	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.75E-04	0.00E+00	0.00E+00
10582	500452.4	3733692	0.00055	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.01E-03	0.00E+00	0.00E+00	8.29E-05	1.77E-04	0.00E+00	0.00E+00
10583	500448.8	3733700	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
10584	500445.2	3733709	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.49E-05	1.81E-04	0.00E+00	0.00E+00
10585	500441.6	3733718	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
10586	500437.9	3733727	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.67E-05	1.85E-04	0.00E+00	0.00E+00
10587	500411.1	3733774	0.000622	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.15E-03	0.00E+00	0.00E+00	9.36E-05	2.00E-04	0.00E+00	0.00E+00
10588	500402.4	3733777	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
10589	500393.7	3733781	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
10590	500385	3733784	0.00068	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
10591	500376.3	3733788	0.000701	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	1.29E-03	0.00E+00	0.00E+00	1.06E-04	2.25E-04	0.00E+00	0.00E+00
10592	500367.6	3733792	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
10593	500358.9	3733795	0.000743	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
10594	500350.1	3733799	0.000764	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10595	500341.4	3733802	0.000785	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
10596	500332.7	3733806	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
10597	500324	3733810	0.000829	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
10598	500315.3	3733813	0.000851	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
10599	500306.6	3733817	0.000872	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00
10600	500297.9	3733820	0.000894	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.87E-04	0.00E+00	0.00E+00
10601	500289.1	3733824	0.000916	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-04	1.69E-03	0.00E+00	0.00E+00	1.38E-04	2.94E-04	0.00E+00	0.00E+00
10602	500280.4	3733827	0.000938	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
10603	500271.7	3733831	0.000959	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-04	1.77E-03	0.00E+00	0.00E+00	1.44E-04	3.08E-04	0.00E+00	0.00E+00
10604	500263	3733835	0.00098	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	1.81E-03	0.00E+00	0.00E+00	1.48E-04	3.15E-04	0.00E+00	0.00E+00
10605	500254.3	3733838	0.001001	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	1.84E-03	0.00E+00	0.00E+00	1.51E-04	3.21E-04	0.00E+00	0.00E+00
10606	500245.6	3733842	0.001021	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.88E-03	0.00E+00	0.00E+00	1.54E-04	3.28E-04	0.00E+00	0.00E+00
10607	500236.9	3733845	0.001041	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.57E-04	3.34E-04	0.00E+00	0.00E+00
10608	500228.1	3733849	0.00106	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.95E-03	0.00E+00	0.00E+00	1.60E-04	3.40E-04	0.00E+00	0.00E+00
10609	500219.4	3733853	0.001079	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	1.99E-03	0.00E+00	0.00E+00	1.62E-04	3.46E-04	0.00E+00	0.00E+00
10610	500513.9	3733544	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
10611	500513.9	3733534	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
10612	500513.9	3733524	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10613	500514	3733515	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10614	500514	3733505	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
10615	500514	3733495	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
10616	500514	3733485	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
10617	500514	3733476	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.45E-05	1.37E-04	0.00E+00	0.00E+00
10618	500514	3733466	0.000428	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10619	500514	3733456	0.000429	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10620	500514	3733446	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
10621	500514	3733437	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.47E-05	1.38E-04	0.00E+00	0.00E+00
10622	500514	3733427	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
10623	500514.1	3733417	0.000432	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	7.96E-04	0.00E+00	0.00E+00	6.50E-05	1.39E-04	0.00E+00	0.00E+00
10624	500514.1	3733408	0.000433	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
10625	500514.1	3733398	0.000435	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.01E-04	0.00E+00	0.00E+00	6.55E-05	1.40E-04	0.00E+00	0.00E+00
10626	500514.1	3733388	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
10627	500514.1	3733378	0.000438	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
10628	500514.1	3733369	0.00044	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.12E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
10629	500514.1	3733359	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
10630	500514.1	3733349	0.000445	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	8.21E-04	0.00E+00	0.00E+00	6.71E-05	1.43E-04	0.00E+00	0.00E+00
10631	500514.1	3733340	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
10632	500514.1	3733330	0.000451	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.32E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
10633	500514.2	3733320	0.000455	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.38E-04	0.00E+00	0.00E+00	6.84E-05	1.46E-04	0.00E+00	0.00E+00
10634	500514.2	3733310	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
10635	500514.2	3733301	0.000462	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	8.51E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
10636	500514.2	3733291	0.000466	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	8.58E-04	0.00E+00	0.00E+00	7.01E-05	1.50E-04	0.00E+00	0.00E+00

10637	500514.2	3733281	0.00047	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.66E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
10638	500514.2	3733271	0.000474	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	8.74E-04	0.00E+00	0.00E+00	7.14E-05	1.52E-04	0.00E+00	0.00E+00
10639	500514.2	3733262	0.000479	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.82E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
10640	500514.2	3733252	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
10641	500514.3	3733213	0.000503	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.28E-04	0.00E+00	0.00E+00	7.58E-05	1.62E-04	0.00E+00	0.00E+00
10642	500514.3	3733203	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
10643	500540.3	3733553	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
10644	500536.6	3733561	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.26E-04	0.00E+00	0.00E+00
10645	500532.9	3733570	0.0004	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	7.37E-04	0.00E+00	0.00E+00	6.02E-05	1.28E-04	0.00E+00	0.00E+00
10646	500529.2	3733579	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
10647	500525.6	3733588	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
10648	500521.9	3733597	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
10649	500518.2	3733606	0.000425	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.83E-04	0.00E+00	0.00E+00	6.39E-05	1.36E-04	0.00E+00	0.00E+00
10650	500514.5	3733614	0.000431	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.95E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
10651	500510.9	3733623	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
10652	500507.2	3733632	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
10653	500503.5	3733641	0.000451	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	8.31E-04	0.00E+00	0.00E+00	6.79E-05	1.45E-04	0.00E+00	0.00E+00
10654	500499.8	3733650	0.000457	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.43E-04	0.00E+00	0.00E+00	6.89E-05	1.47E-04	0.00E+00	0.00E+00
10655	500496.2	3733659	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.99E-05	1.49E-04	0.00E+00	0.00E+00
10656	500492.5	3733668	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
10657	500488.8	3733676	0.000477	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.80E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
10658	500485.1	3733685	0.000484	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
10659	500481.5	3733694	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
10660	500477.8	3733703	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
10661	500474.1	3733712	0.000502	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	9.26E-04	0.00E+00	0.00E+00	7.56E-05	1.61E-04	0.00E+00	0.00E+00
10662	500470.4	3733721	0.000508	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	9.37E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
10663	500448.4	3733774	0.000541	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.97E-04	0.00E+00	0.00E+00	8.14E-05	1.74E-04	0.00E+00	0.00E+00
10664	500444.7	3733782	0.000546	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.01E-03	0.00E+00	0.00E+00	8.21E-05	1.75E-04	0.00E+00	0.00E+00
10665	500432.2	3733795	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
10666	500423.3	3733799	0.000583	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.08E-03	0.00E+00	0.00E+00	8.78E-05	1.87E-04	0.00E+00	0.00E+00
10667	500414.5	3733802	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.04E-05	1.93E-04	0.00E+00	0.00E+00
10668	500405.6	3733806	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
10669	500396.8	3733810	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
10670	500387.9	3733813	0.000654	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.21E-03	0.00E+00	0.00E+00	9.85E-05	2.10E-04	0.00E+00	0.00E+00
10671	500379.1	3733817	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10672	500370.2	3733820	0.000692	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
10673	500361.4	3733824	0.000711	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.28E-04	0.00E+00	0.00E+00
10674	500352.5	3733828	0.00073	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
10675	500343.7	3733831	0.000749	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10676	500334.8	3733835	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
10677	500326	3733839	0.000788	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.45E-03	0.00E+00	0.00E+00	1.19E-04	2.53E-04	0.00E+00	0.00E+00
10678	500317.1	3733842	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
10679	500308.3	3733846	0.000827	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	1.52E-03	0.00E+00	0.00E+00	1.24E-04	2.65E-04	0.00E+00	0.00E+00
10680	500299.4	3733850	0.000846	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	1.56E-03	0.00E+00	0.00E+00	1.27E-04	2.72E-04	0.00E+00	0.00E+00
10681	500290.6	3733853	0.000865	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
10682	500281.7	3733857	0.000884	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
10683	500272.9	3733861	0.000902	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	1.66E-03	0.00E+00	0.00E+00	1.36E-04	2.90E-04	0.00E+00	0.00E+00
10684	500264	3733864	0.000921	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	1.70E-03	0.00E+00	0.00E+00	1.39E-04	2.96E-04	0.00E+00	0.00E+00
10685	500255.2	3733868	0.000939	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04	1.73E-03	0.00E+00	0.00E+00	1.41E-04	3.01E-04	0.00E+00	0.00E+00
10686	500246.3	3733872	0.000956	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	1.76E-03	0.00E+00	0.00E+00	1.44E-04	3.07E-04	0.00E+00	0.00E+00
10687	500237.5	3733875	0.000973	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	1.79E-03	0.00E+00	0.00E+00	1.47E-04	3.13E-04	0.00E+00	0.00E+00
10688	500228.6	3733879	0.00099	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	1.82E-03	0.00E+00	0.00E+00	1.49E-04	3.18E-04	0.00E+00	0.00E+00
10689	500219.8	3733882	0.001006	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	1.85E-03	0.00E+00	0.00E+00	1.51E-04	3.23E-04	0.00E+00	0.00E+00
10690	500543.9	3733544	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10691	500543.9	3733534	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10692	500543.9	3733524	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10693	500544	3733515	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10694	500544	3733505	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10695	500544	3733495	0.000381	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10696	500544	3733485	0.00038	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10697	500544	3733476	0.00038	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.01E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10698	500544	3733466	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10699	500544	3733456	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.73E-05	1.22E-04	0.00E+00	0.00E+00
10700	500544	3733447	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10701	500544	3733437	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10702	500544	3733427	0.000382	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.05E-04	0.00E+00	0.00E+00	5.76E-05	1.23E-04	0.00E+00	0.00E+00
10703	500544.1	3733417	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
10704	500544.1	3733408	0.000384	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.08E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
10705	500544.1	3733398	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10706	500544.1	3733388	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
10707	500544.1	3733378	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
10708	500544.1	3733369	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
10709	500544.1	3733359	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
10710	500544.1	3733349	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
10711	500544.1	3733340	0.000396	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.30E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
10712	500544.1	3733330	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
10713	500544.2	3733320	0.000401	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.40E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
10714	500544.2	3733310	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
10715	500544.2	3733301	0.000407	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.51E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
10716	500544.2	3733291	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
10717	500544.2	3733281	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
10718	500544.2	3733271	0.000418	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
10719	500544.3	3733223	0.000438	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
10720	500544.3	3733213	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
10721	500544.3	3733203	0.000447	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
10722	500570.2	3733553	0.000348	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
10723	500566.5	3733562	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
10724	500562.8	3733571	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
10725	500559	3733580	0.000363	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
10726	500555.3	3733589	0.000369	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.80E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
10727	500551.6	3733598	0.000374	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.90E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
10728	500547.9	3733606	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
10729	500544.1	3733615	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10730	500540.4	3733624	0.000391	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
10731	500536.7	3733633	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.28E-04	0.00E+00	0.00E+00
10732	500533	3733642	0.000403	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.43E-04	0.00E+00	0.00E+00	6.07E-05	1.29E-04	0.00E+00	0.00E+00
10733	500529.2	3733651	0.000409	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.53E-04	0.00E+00	0.00E+00	6.15E-05	1.31E-04	0.00E+00	0.00E+00
10734	500525.5	3733660	0.000415	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
10735	500521.8	3733669	0.000421	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	7.75E-04	0.00E+00	0.00E+00	6.33E-05	1.35E-04	0.00E+00	0.00E+00
10736	500518.1	3733678	0.000427	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
10737	500514.3	3733687	0.000433	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.97E-04	0.00E+00	0.00E+00	6.51E-05	1.39E-04	0.00E+00	0.00E+00
10738	500510.6	3733696	0.000438	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.08E-04	0.00E+00	0.00E+00	6.60E-05	1.41E-04	0.00E+00	0.00E+00
10739	500506.9	3733705	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
10740	500503.2	3733714	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
10741	500499.5	3733723	0.000456	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.40E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
10742	500480.8	3733768	0.000482	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	8.88E-04	0.00E+00	0.00E+00	7.25E-05	1.55E-04	0.00E+00	0.00E+00
10743	500477.1	3733777	0.000487	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.97E-04	0.00E+00	0.00E+00	7.33E-05	1.56E-04	0.00E+00	0.00E+00
10744	500473.4	3733786	0.000491	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.06E-04	0.00E+00	0.00E+00	7.40E-05	1.58E-04	0.00E+00	0.00E+00
10745	500469.7	3733795	0.000496	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.14E-04	0.00E+00	0.00E+00	7.46E-05	1.59E-04	0.00E+00	0.00E+00
10746	500465.9	3733804	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
10747	500453.3	3733816	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
10748	500444.3	3733820	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.04E-05	1.71E-04	0.00E+00	0.00E+00

10749	500435.3	3733824	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.27E-05	1.76E-04	0.00E+00	0.00E+00
10750	500426.3	3733827	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
10751	500417.4	3733831	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.86E-04	0.00E+00	0.00E+00
10752	500408.4	3733835	0.000597	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.10E-03	0.00E+00	0.00E+00	8.98E-05	1.92E-04	0.00E+00	0.00E+00
10753	500399.4	3733838	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
10754	500390.5	3733842	0.00063	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.16E-03	0.00E+00	0.00E+00	9.48E-05	2.02E-04	0.00E+00	0.00E+00
10755	500381.5	3733846	0.000647	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.73E-05	2.08E-04	0.00E+00	0.00E+00
10756	500372.5	3733849	0.000663	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.22E-03	0.00E+00	0.00E+00	9.99E-05	2.13E-04	0.00E+00	0.00E+00
10757	500363.6	3733853	0.000681	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.19E-04	0.00E+00	0.00E+00
10758	500354.6	3733857	0.000698	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
10759	500345.6	3733861	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10760	500336.7	3733864	0.000732	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.35E-04	0.00E+00	0.00E+00
10761	500327.7	3733868	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10762	500318.7	3733872	0.000767	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10763	500309.8	3733875	0.000784	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.52E-04	0.00E+00	0.00E+00
10764	500300.8	3733879	0.000801	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	1.48E-03	0.00E+00	0.00E+00	1.21E-04	2.57E-04	0.00E+00	0.00E+00
10765	500291.8	3733883	0.000818	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
10766	500282.9	3733886	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
10767	500273.9	3733890	0.000851	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	1.57E-03	0.00E+00	0.00E+00	1.28E-04	2.73E-04	0.00E+00	0.00E+00
10768	500264.9	3733894	0.000867	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-04	1.60E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
10769	500256	3733898	0.000882	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.83E-04	0.00E+00	0.00E+00
10770	500247	3733901	0.000898	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	1.65E-03	0.00E+00	0.00E+00	1.35E-04	2.88E-04	0.00E+00	0.00E+00
10771	500238	3733905	0.000912	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	1.68E-03	0.00E+00	0.00E+00	1.37E-04	2.93E-04	0.00E+00	0.00E+00
10772	500229	3733909	0.000927	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	1.71E-03	0.00E+00	0.00E+00	1.40E-04	2.98E-04	0.00E+00	0.00E+00
10773	500220.1	3733912	0.000941	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	1.73E-03	0.00E+00	0.00E+00	1.42E-04	3.02E-04	0.00E+00	0.00E+00
10774	500573.9	3733544	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
10775	500573.9	3733534	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10776	500573.9	3733524	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10777	500574	3733515	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10778	500574	3733505	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10779	500574	3733495	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10780	500574	3733485	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10781	500574	3733476	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10782	500574	3733466	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10783	500574	3733456	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10784	500574	3733447	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10785	500574	3733437	0.000342	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.30E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10786	500574	3733427	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
10787	500574.1	3733417	0.000343	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.32E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
10788	500574.1	3733408	0.000344	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
10789	500574.1	3733398	0.000345	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
10790	500574.1	3733388	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
10791	500574.1	3733378	0.000347	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.39E-04	0.00E+00	0.00E+00	5.22E-05	1.11E-04	0.00E+00	0.00E+00
10792	500574.1	3733369	0.000348	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.42E-04	0.00E+00	0.00E+00	5.24E-05	1.12E-04	0.00E+00	0.00E+00
10793	500574.1	3733359	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
10794	500574.1	3733349	0.000352	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
10795	500574.1	3733340	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
10796	500574.1	3733330	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
10797	500574.2	3733320	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
10798	500574.2	3733310	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
10799	500574.2	3733301	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
10800	500574.2	3733291	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
10801	500574.2	3733281	0.000368	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.79E-04	0.00E+00	0.00E+00	5.55E-05	1.18E-04	0.00E+00	0.00E+00
10802	500574.2	3733233	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10803	500574.3	3733223	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
10804	500574.3	3733213	0.000393	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.24E-04	0.00E+00	0.00E+00	5.91E-05	1.26E-04	0.00E+00	0.00E+00
10805	500574.3	3733203	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
10806	500596.6	3733561	0.000318	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
10807	500593	3733570	0.000322	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.94E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
10808	500589.3	3733579	0.000327	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.02E-04	0.00E+00	0.00E+00	4.92E-05	1.05E-04	0.00E+00	0.00E+00
10809	500585.7	3733588	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
10810	500582	3733597	0.000336	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.19E-04	0.00E+00	0.00E+00	5.06E-05	1.08E-04	0.00E+00	0.00E+00
10811	500578.4	3733605	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
10812	500574.7	3733614	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
10813	500571.1	3733623	0.00035	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.46E-04	0.00E+00	0.00E+00	5.28E-05	1.13E-04	0.00E+00	0.00E+00
10814	500567.4	3733632	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
10815	500563.8	3733640	0.00036	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.64E-04	0.00E+00	0.00E+00	5.43E-05	1.16E-04	0.00E+00	0.00E+00
10816	500560.1	3733649	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
10817	500556.4	3733658	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
10818	500552.8	3733667	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
10819	500549.1	3733676	0.000381	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.02E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
10820	500545.5	3733684	0.000386	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.12E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
10821	500541.8	3733693	0.000391	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.21E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00
10822	500538.2	3733702	0.000396	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	7.31E-04	0.00E+00	0.00E+00	5.97E-05	1.27E-04	0.00E+00	0.00E+00
10823	500534.5	3733711	0.000402	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.40E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
10824	500530.9	3733720	0.000407	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.49E-04	0.00E+00	0.00E+00	6.12E-05	1.31E-04	0.00E+00	0.00E+00
10825	500509	3733772	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
10826	500505.3	3733781	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
10827	500501.7	3733790	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
10828	500498	3733799	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
10829	500494.4	3733807	0.000453	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
10830	500490.7	3733816	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
10831	500487.1	3733825	0.00046	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	8.48E-04	0.00E+00	0.00E+00	6.93E-05	1.48E-04	0.00E+00	0.00E+00
10832	500474.6	3733837	0.000477	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.79E-04	0.00E+00	0.00E+00	7.18E-05	1.53E-04	0.00E+00	0.00E+00
10833	500465.8	3733841	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
10834	500457	3733845	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.62E-04	0.00E+00	0.00E+00
10835	500448.2	3733848	0.000516	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.52E-04	0.00E+00	0.00E+00	7.78E-05	1.66E-04	0.00E+00	0.00E+00
10836	500439.4	3733852	0.00053	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.77E-04	0.00E+00	0.00E+00	7.98E-05	1.70E-04	0.00E+00	0.00E+00
10837	500430.6	3733856	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
10838	500421.8	3733859	0.000558	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
10839	500413	3733863	0.000573	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.06E-03	0.00E+00	0.00E+00	8.62E-05	1.84E-04	0.00E+00	0.00E+00
10840	500404.2	3733866	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
10841	500395.4	3733870	0.000602	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.06E-05	1.93E-04	0.00E+00	0.00E+00
10842	500386.6	3733874	0.000616	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.14E-03	0.00E+00	0.00E+00	9.28E-05	1.98E-04	0.00E+00	0.00E+00
10843	500377.8	3733877	0.000631	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.16E-03	0.00E+00	0.00E+00	9.50E-05	2.03E-04	0.00E+00	0.00E+00
10844	500369	3733881	0.000646	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	1.19E-03	0.00E+00	0.00E+00	9.73E-05	2.08E-04	0.00E+00	0.00E+00
10845	500360.3	3733885	0.000661	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.22E-03	0.00E+00	0.00E+00	9.95E-05	2.12E-04	0.00E+00	0.00E+00
10846	500351.5	3733888	0.000676	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.17E-04	0.00E+00	0.00E+00
10847	500342.7	3733892	0.000691	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
10848	500333.9	3733895	0.000706	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.27E-04	0.00E+00	0.00E+00
10849	500325.1	3733899	0.000721	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
10850	500316.3	3733903	0.000736	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
10851	500307.5	3733906	0.00075	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10852	500298.7	3733910	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
10853	500289.9	3733914	0.000779	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.44E-03	0.00E+00	0.00E+00	1.17E-04	2.50E-04	0.00E+00	0.00E+00
10854	500281.1	3733917	0.000793	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04	1.46E-03	0.00E+00	0.00E+00	1.19E-04	2.55E-04	0.00E+00	0.00E+00
10855	500272.3	3733921	0.000807	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.59E-04	0.00E+00	0.00E+00
10856	500263.5	3733924	0.000821	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	1.51E-03	0.00E+00	0.00E+00	1.24E-04	2.64E-04	0.00E+00	0.00E+00
10857	500254.7	3733928	0.000834	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	1.54E-03	0.00E+00	0.00E+00	1.26E-04	2.68E-04	0.00E+00	0.00E+00
10858	500245.9	3733932	0.000847	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	1.56E-03	0.00E+00	0.00E+00	1.28E-04	2.72E-04	0.00E+00	0.00E+00
10859	500237.1	3733935	0.000859	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	1.58E-03	0.00E+00	0.00E+00	1.29E-04	2.76E-04	0.00E+00	0.00E+00
10860	500228.3	3733939	0.000871	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	1.61E-03	0.00E+00	0.00E+00	1.31E-04	2.80E-04	0.00E+00	0.00E+00

10861	500219.5	3733943	0.000883	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	1.63E-03	0.00E+00	0.00E+00	1.33E-04	2.84E-04	0.00E+00	0.00E+00
10862	500604.2	3733252	0.000338	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.24E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
10863	500604.2	3733242	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
10864	500604.2	3733233	0.000344	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.35E-04	0.00E+00	0.00E+00	5.19E-05	1.11E-04	0.00E+00	0.00E+00
10865	500604.3	3733223	0.000348	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	6.41E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
10866	500604.3	3733213	0.000351	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	6.47E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
10867	500604.3	3733203	0.000354	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.53E-04	0.00E+00	0.00E+00	5.34E-05	1.14E-04	0.00E+00	0.00E+00
10868	500630.2	3733553	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
10869	500626.5	3733562	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
10870	500622.8	3733571	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.39E-05	9.37E-05	0.00E+00	0.00E+00
10871	500619.1	3733579	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
10872	500597	3733633	0.000321	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.92E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
10873	500593.3	3733642	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
10874	500589.6	3733651	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
10875	500585.9	3733659	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.08E-04	0.00E+00	0.00E+00
10876	500582.2	3733668	0.00034	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
10877	500578.5	3733677	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.11E-04	0.00E+00	0.00E+00
10878	500574.8	3733686	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
10879	500571.1	3733695	0.000353	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.52E-04	0.00E+00	0.00E+00	5.32E-05	1.14E-04	0.00E+00	0.00E+00
10880	500567.4	3733704	0.000358	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.60E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
10881	500563.7	3733713	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.46E-05	1.17E-04	0.00E+00	0.00E+00
10882	500560	3733722	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
10883	500537.8	3733775	0.000394	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
10884	500534.1	3733784	0.000399	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.35E-04	0.00E+00	0.00E+00	6.00E-05	1.28E-04	0.00E+00	0.00E+00
10885	500530.5	3733793	0.000403	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
10886	500526.8	3733802	0.000407	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
10887	500523.1	3733811	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
10888	500519.4	3733819	0.000415	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.64E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
10889	500515.7	3733828	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.30E-05	1.34E-04	0.00E+00	0.00E+00
10890	500512	3733837	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
10891	500508.3	3733846	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
10892	500495.7	3733859	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.63E-05	1.41E-04	0.00E+00	0.00E+00
10893	500486.8	3733862	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
10894	500477.9	3733866	0.000464	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.55E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
10895	500469	3733870	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
10896	500460.1	3733873	0.000488	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	9.00E-04	0.00E+00	0.00E+00	7.35E-05	1.57E-04	0.00E+00	0.00E+00
10897	500451.2	3733877	0.000501	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	9.23E-04	0.00E+00	0.00E+00	7.54E-05	1.61E-04	0.00E+00	0.00E+00
10898	500442.3	3733881	0.000514	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.47E-04	0.00E+00	0.00E+00	7.73E-05	1.65E-04	0.00E+00	0.00E+00
10899	500433.4	3733884	0.000526	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.70E-04	0.00E+00	0.00E+00	7.93E-05	1.69E-04	0.00E+00	0.00E+00
10900	500424.5	3733888	0.000539	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	9.94E-04	0.00E+00	0.00E+00	8.12E-05	1.73E-04	0.00E+00	0.00E+00
10901	500415.6	3733892	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
10902	500406.7	3733895	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.52E-05	1.82E-04	0.00E+00	0.00E+00
10903	500397.8	3733899	0.000579	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.07E-03	0.00E+00	0.00E+00	8.72E-05	1.86E-04	0.00E+00	0.00E+00
10904	500388.9	3733903	0.000593	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
10905	500380	3733906	0.000606	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	1.12E-03	0.00E+00	0.00E+00	9.13E-05	1.95E-04	0.00E+00	0.00E+00
10906	500371.1	3733910	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
10907	500362.2	3733914	0.000633	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.17E-03	0.00E+00	0.00E+00	9.53E-05	2.03E-04	0.00E+00	0.00E+00
10908	500353.3	3733917	0.000647	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.19E-03	0.00E+00	0.00E+00	9.74E-05	2.08E-04	0.00E+00	0.00E+00
10909	500344.4	3733921	0.00066	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.22E-03	0.00E+00	0.00E+00	9.94E-05	2.12E-04	0.00E+00	0.00E+00
10910	500335.5	3733925	0.000673	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
10911	500326.6	3733928	0.000687	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
10912	500317.7	3733932	0.0007	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.29E-03	0.00E+00	0.00E+00	1.05E-04	2.25E-04	0.00E+00	0.00E+00
10913	500308.8	3733936	0.000713	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	1.31E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
10914	500299.9	3733939	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
10915	500291	3733943	0.000739	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
10916	500282.1	3733947	0.000751	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	1.38E-03	0.00E+00	0.00E+00	1.13E-04	2.41E-04	0.00E+00	0.00E+00
10917	500273.2	3733950	0.000763	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10918	500264.3	3733954	0.000775	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.43E-03	0.00E+00	0.00E+00	1.17E-04	2.49E-04	0.00E+00	0.00E+00
10919	500255.4	3733958	0.000787	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.45E-03	0.00E+00	0.00E+00	1.18E-04	2.53E-04	0.00E+00	0.00E+00
10920	500246.5	3733961	0.000798	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
10921	500237.6	3733965	0.000809	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	1.49E-03	0.00E+00	0.00E+00	1.22E-04	2.60E-04	0.00E+00	0.00E+00
10922	500228.7	3733969	0.00082	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	1.51E-03	0.00E+00	0.00E+00	1.23E-04	2.63E-04	0.00E+00	0.00E+00
10923	500219.8	3733972	0.00083	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.66E-04	0.00E+00	0.00E+00
10924	500633.9	3733544	0.000281	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
10925	500634.2	3733262	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
10926	500634.2	3733252	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
10927	500634.2	3733242	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
10928	500634.2	3733233	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
10929	500634.3	3733223	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.01E-04	0.00E+00	0.00E+00
10930	500634.3	3733213	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
10931	500634.3	3733204	0.000319	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
10932	500660.3	3733553	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.32E-05	0.00E+00	0.00E+00
10933	500656.7	3733561	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
10934	500653	3733570	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
10935	500649.4	3733579	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
10936	500645.7	3733588	0.000273	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.75E-05	0.00E+00	0.00E+00
10937	500642.1	3733596	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
10938	500638.5	3733605	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
10939	500634.8	3733614	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
10940	500631.2	3733623	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
10941	500627.6	3733631	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
10942	500623.9	3733640	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
10943	500620.3	3733649	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.59E-05	0.00E+00	0.00E+00
10944	500594.8	3733710	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
10945	500591.2	3733719	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
10946	500587.6	3733728	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
10947	500583.9	3733736	0.000339	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.26E-04	0.00E+00	0.00E+00	5.11E-05	1.09E-04	0.00E+00	0.00E+00
10948	500569.4	3733771	0.000356	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
10949	500565.8	3733780	0.00036	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
10950	500562.1	3733789	0.000363	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.70E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
10951	500558.5	3733798	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
10952	500554.9	3733806	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
10953	500551.2	3733815	0.000375	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
10954	500547.6	3733824	0.000378	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.97E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
10955	500543.9	3733833	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
10956	500540.3	3733841	0.000385	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.10E-04	0.00E+00	0.00E+00	5.80E-05	1.24E-04	0.00E+00	0.00E+00
10957	500536.7	3733850	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
10958	500533	3733859	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
10959	500529.4	3733867	0.000395	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
10960	500517	3733880	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
10961	500508.3	3733883	0.000418	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.70E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
10962	500499.5	3733887	0.000428	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.90E-04	0.00E+00	0.00E+00	6.45E-05	1.38E-04	0.00E+00	0.00E+00
10963	500490.7	3733891	0.000439	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	8.09E-04	0.00E+00	0.00E+00	6.61E-05	1.41E-04	0.00E+00	0.00E+00
10964	500482	3733894	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
10965	500473.2	3733898	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
10966	500464.5	3733902	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
10967	500455.7	3733905	0.000483	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.91E-04	0.00E+00	0.00E+00	7.28E-05	1.55E-04	0.00E+00	0.00E+00
10968	500447	3733909	0.000495	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	9.12E-04	0.00E+00	0.00E+00	7.45E-05	1.59E-04	0.00E+00	0.00E+00
10969	500438.2	3733912	0.000506	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.33E-04	0.00E+00	0.00E+00	7.62E-05	1.63E-04	0.00E+00	0.00E+00
10970	500429.4	3733916	0.000518	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	9.55E-04	0.00E+00	0.00E+00	7.80E-05	1.66E-04	0.00E+00	0.00E+00
10971	500420.7	3733920	0.00053	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.76E-04	0.00E+00	0.00E+00	7.97E-05	1.70E-04	0.00E+00	0.00E+00
10972	500411.9	3733923	0.000541	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	9.98E-04	0.00E+00	0.00E+00	8.15E-05	1.74E-04	0.00E+00	0.00E+00

10973	500403.2	3733927	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
10974	500394.4	3733930	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
10975	500385.7	3733934	0.000577	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	1.06E-03	0.00E+00	0.00E+00	8.69E-05	1.85E-04	0.00E+00	0.00E+00
10976	500376.9	3733938	0.000589	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.09E-03	0.00E+00	0.00E+00	8.87E-05	1.89E-04	0.00E+00	0.00E+00
10977	500368.1	3733941	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
10978	500359.4	3733945	0.000613	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.13E-03	0.00E+00	0.00E+00	9.23E-05	1.97E-04	0.00E+00	0.00E+00
10979	500350.6	3733948	0.000625	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.15E-03	0.00E+00	0.00E+00	9.40E-05	2.01E-04	0.00E+00	0.00E+00
10980	500341.9	3733952	0.000636	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.17E-03	0.00E+00	0.00E+00	9.58E-05	2.04E-04	0.00E+00	0.00E+00
10981	500333.1	3733956	0.000648	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.19E-03	0.00E+00	0.00E+00	9.76E-05	2.08E-04	0.00E+00	0.00E+00
10982	500324.4	3733959	0.000659	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.22E-03	0.00E+00	0.00E+00	9.93E-05	2.12E-04	0.00E+00	0.00E+00
10983	500315.6	3733963	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
10984	500306.8	3733966	0.000682	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.19E-04	0.00E+00	0.00E+00
10985	500298.1	3733970	0.000693	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.28E-03	0.00E+00	0.00E+00	1.04E-04	2.23E-04	0.00E+00	0.00E+00
10986	500289.3	3733974	0.000704	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
10987	500280.6	3733977	0.000715	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	1.32E-03	0.00E+00	0.00E+00	1.08E-04	2.30E-04	0.00E+00	0.00E+00
10988	500271.8	3733981	0.000725	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
10989	500263.1	3733985	0.000735	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.36E-04	0.00E+00	0.00E+00
10990	500254.3	3733988	0.000745	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	1.37E-03	0.00E+00	0.00E+00	1.12E-04	2.39E-04	0.00E+00	0.00E+00
10991	500245.5	3733992	0.000755	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.39E-03	0.00E+00	0.00E+00	1.14E-04	2.42E-04	0.00E+00	0.00E+00
10992	500236.8	3733995	0.000764	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.45E-04	0.00E+00	0.00E+00
10993	500228	3733999	0.000773	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	1.43E-03	0.00E+00	0.00E+00	1.16E-04	2.48E-04	0.00E+00	0.00E+00
10994	500219.3	3734003	0.000782	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	1.44E-03	0.00E+00	0.00E+00	1.18E-04	2.51E-04	0.00E+00	0.00E+00
10995	500663.9	3733544	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
10996	500664.2	3733272	0.000273	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.03E-04	0.00E+00	0.00E+00	4.11E-05	8.76E-05	0.00E+00	0.00E+00
10997	500664.2	3733262	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
10998	500664.2	3733252	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.17E-05	8.89E-05	0.00E+00	0.00E+00
10999	500664.2	3733242	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
11000	500664.2	3733233	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
11001	500664.3	3733223	0.000284	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
11002	500664.3	3733213	0.000286	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.19E-05	0.00E+00	0.00E+00
11003	500664.3	3733204	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.35E-05	9.27E-05	0.00E+00	0.00E+00
11004	500690.3	3733553	0.000237	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.37E-04	0.00E+00	0.00E+00	3.57E-05	7.62E-05	0.00E+00	0.00E+00
11005	500686.6	3733562	0.00024	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.71E-05	0.00E+00	0.00E+00
11006	500682.9	3733570	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
11007	500679.2	3733579	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
11008	500675.6	3733588	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
11009	500671.9	3733597	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
11010	500668.2	3733606	0.000256	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
11011	500664.5	3733615	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
11012	500660.9	3733623	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
11013	500657.2	3733632	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
11014	500653.5	3733641	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
11015	500649.8	3733650	0.000273	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.02E-04	0.00E+00	0.00E+00	4.10E-05	8.76E-05	0.00E+00	0.00E+00
11016	500646.2	3733659	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
11017	500642.5	3733668	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
11018	500638.8	3733677	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
11019	500635.1	3733685	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.22E-05	0.00E+00	0.00E+00
11020	500631.5	3733694	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
11021	500627.8	3733703	0.000294	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.43E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
11022	500594.7	3733783	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
11023	500591	3733791	0.000332	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
11024	500587.4	3733800	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
11025	500583.7	3733809	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11026	500580	3733818	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.15E-05	1.10E-04	0.00E+00	0.00E+00
11027	500576.3	3733827	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
11028	500572.7	3733836	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
11029	500569	3733844	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
11030	500565.3	3733853	0.000355	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	6.55E-04	0.00E+00	0.00E+00	5.35E-05	1.14E-04	0.00E+00	0.00E+00
11031	500561.6	3733862	0.000359	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.61E-04	0.00E+00	0.00E+00	5.40E-05	1.15E-04	0.00E+00	0.00E+00
11032	500558	3733871	0.000362	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
11033	500554.3	3733880	0.000364	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.72E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
11034	500550.6	3733889	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
11035	500538.1	3733901	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
11036	500529.2	3733905	0.000388	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.16E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
11037	500520.4	3733908	0.000398	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.34E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
11038	500511.5	3733912	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
11039	500502.7	3733916	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11040	500493.8	3733919	0.000427	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.88E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
11041	500485	3733923	0.000437	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.06E-04	0.00E+00	0.00E+00	6.59E-05	1.40E-04	0.00E+00	0.00E+00
11042	500476.1	3733927	0.000448	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.25E-04	0.00E+00	0.00E+00	6.74E-05	1.44E-04	0.00E+00	0.00E+00
11043	500467.3	3733930	0.000458	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.44E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
11044	500458.4	3733934	0.000468	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	8.63E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
11045	500449.6	3733938	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
11046	500440.7	3733941	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
11047	500431.9	3733945	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
11048	500423	3733949	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.70E-05	1.64E-04	0.00E+00	0.00E+00
11049	500414.2	3733952	0.000522	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	9.62E-04	0.00E+00	0.00E+00	7.86E-05	1.68E-04	0.00E+00	0.00E+00
11050	500405.3	3733956	0.000533	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	9.82E-04	0.00E+00	0.00E+00	8.02E-05	1.71E-04	0.00E+00	0.00E+00
11051	500396.5	3733960	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
11052	500387.6	3733963	0.000555	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.02E-03	0.00E+00	0.00E+00	8.35E-05	1.78E-04	0.00E+00	0.00E+00
11053	500378.8	3733967	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
11054	500369.9	3733970	0.000576	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	1.06E-03	0.00E+00	0.00E+00	8.68E-05	1.85E-04	0.00E+00	0.00E+00
11055	500361.1	3733974	0.000587	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.08E-03	0.00E+00	0.00E+00	8.84E-05	1.89E-04	0.00E+00	0.00E+00
11056	500352.2	3733978	0.000598	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.10E-03	0.00E+00	0.00E+00	9.00E-05	1.92E-04	0.00E+00	0.00E+00
11057	500343.4	3733981	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.16E-05	1.95E-04	0.00E+00	0.00E+00
11058	500334.5	3733985	0.000619	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
11059	500325.7	3733989	0.000629	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.16E-03	0.00E+00	0.00E+00	9.47E-05	2.02E-04	0.00E+00	0.00E+00
11060	500316.8	3733992	0.000639	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	1.18E-03	0.00E+00	0.00E+00	9.62E-05	2.05E-04	0.00E+00	0.00E+00
11061	500308	3733996	0.000649	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.20E-03	0.00E+00	0.00E+00	9.77E-05	2.08E-04	0.00E+00	0.00E+00
11062	500299.1	3734000	0.000659	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.21E-03	0.00E+00	0.00E+00	9.92E-05	2.12E-04	0.00E+00	0.00E+00
11063	500290.3	3734003	0.000669	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.15E-04	0.00E+00	0.00E+00
11064	500281.4	3734007	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
11065	500272.6	3734011	0.000687	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.27E-03	0.00E+00	0.00E+00	1.03E-04	2.21E-04	0.00E+00	0.00E+00
11066	500263.7	3734014	0.000696	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
11067	500254.9	3734018	0.000705	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.30E-03	0.00E+00	0.00E+00	1.06E-04	2.26E-04	0.00E+00	0.00E+00
11068	500246	3734022	0.000714	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.32E-03	0.00E+00	0.00E+00	1.07E-04	2.29E-04	0.00E+00	0.00E+00
11069	500237.2	3734025	0.000722	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.32E-04	0.00E+00	0.00E+00
11070	500228.3	3734029	0.00073	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.35E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
11071	500219.5	3734032	0.000737	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.36E-03	0.00E+00	0.00E+00	1.11E-04	2.37E-04	0.00E+00	0.00E+00
11072	500693.9	3733544	0.000235	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.53E-05	0.00E+00	0.00E+00
11073	500694.2	3733291	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.90E-05	0.00E+00	0.00E+00
11074	500694.2	3733281	0.000248	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
11075	500694.2	3733272	0.000249	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.59E-04	0.00E+00	0.00E+00	3.75E-05	8.00E-05	0.00E+00	0.00E+00
11076	500694.2	3733262	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
11077	500694.2	3733252	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.80E-05	8.12E-05	0.00E+00	0.00E+00
11078	500694.2	3733242	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
11079	500694.2	3733233	0.000257	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
11080	500694.3	3733223	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
11081	500694.3	3733213	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
11082	500694.3	3733204	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
11083	500730.2	3733553	0.000213	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.83E-05	0.00E+00	0.00E+00
11084	500726.5	3733562	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00

11085	500722.9	3733571	0.000217	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
11086	500719.2	3733579	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
11087	500715.5	3733588	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
11088	500711.8	3733597	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11089	500708.1	3733606	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
11090	500704.4	3733615	0.000231	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
11091	500700.7	3733624	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.50E-05	0.00E+00	0.00E+00
11092	500697	3733633	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
11093	500693.3	3733642	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.61E-05	7.69E-05	0.00E+00	0.00E+00
11094	500689.6	3733651	0.000242	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
11095	500685.9	3733659	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
11096	500682.2	3733668	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
11097	500678.6	3733677	0.000252	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
11098	500674.9	3733686	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
11099	500671.2	3733695	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.88E-05	8.29E-05	0.00E+00	0.00E+00
11100	500667.5	3733704	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
11101	500641.6	3733766	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
11102	500637.9	3733775	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
11103	500634.3	3733784	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
11104	500630.6	3733793	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
11105	500626.9	3733801	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
11106	500623.2	3733810	0.0003	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.54E-04	0.00E+00	0.00E+00	4.52E-05	9.65E-05	0.00E+00	0.00E+00
11107	500619.5	3733819	0.000304	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
11108	500615.8	3733828	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
11109	500612.1	3733837	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
11110	500590	3733890	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
11111	500586.3	3733899	0.00033	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.08E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
11112	500582.6	3733908	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
11113	500578.9	3733917	0.000335	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.18E-04	0.00E+00	0.00E+00	5.05E-05	1.08E-04	0.00E+00	0.00E+00
11114	500566.3	3733929	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
11115	500557.4	3733933	0.000354	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.52E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
11116	500548.5	3733937	0.000362	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.68E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
11117	500539.6	3733940	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
11118	500530.7	3733944	0.000379	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.99E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
11119	500521.8	3733948	0.000388	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.15E-04	0.00E+00	0.00E+00	5.84E-05	1.25E-04	0.00E+00	0.00E+00
11120	500512.9	3733951	0.000397	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.31E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11121	500504.1	3733955	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
11122	500495.2	3733959	0.000415	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	7.65E-04	0.00E+00	0.00E+00	6.25E-05	1.33E-04	0.00E+00	0.00E+00
11123	500486.3	3733962	0.000424	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.82E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
11124	500477.4	3733966	0.000433	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.99E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
11125	500468.5	3733970	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
11126	500459.6	3733973	0.000452	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.33E-04	0.00E+00	0.00E+00	6.80E-05	1.45E-04	0.00E+00	0.00E+00
11127	500450.7	3733977	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.95E-05	1.48E-04	0.00E+00	0.00E+00
11128	500441.8	3733981	0.000471	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	8.68E-04	0.00E+00	0.00E+00	7.09E-05	1.51E-04	0.00E+00	0.00E+00
11129	500432.9	3733984	0.00048	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	8.85E-04	0.00E+00	0.00E+00	7.23E-05	1.54E-04	0.00E+00	0.00E+00
11130	500424	3733988	0.00049	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.03E-04	0.00E+00	0.00E+00	7.38E-05	1.57E-04	0.00E+00	0.00E+00
11131	500415.1	3733992	0.000499	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	9.20E-04	0.00E+00	0.00E+00	7.52E-05	1.60E-04	0.00E+00	0.00E+00
11132	500406.3	3733995	0.000509	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.38E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
11133	500397.4	3733999	0.000519	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.56E-04	0.00E+00	0.00E+00	7.81E-05	1.67E-04	0.00E+00	0.00E+00
11134	500388.5	3734003	0.000528	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.73E-04	0.00E+00	0.00E+00	7.95E-05	1.70E-04	0.00E+00	0.00E+00
11135	500379.6	3734006	0.000538	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	9.91E-04	0.00E+00	0.00E+00	8.09E-05	1.73E-04	0.00E+00	0.00E+00
11136	500370.7	3734010	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
11137	500361.8	3734014	0.000556	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.03E-03	0.00E+00	0.00E+00	8.37E-05	1.79E-04	0.00E+00	0.00E+00
11138	500352.9	3734017	0.000565	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.04E-03	0.00E+00	0.00E+00	8.51E-05	1.82E-04	0.00E+00	0.00E+00
11139	500344	3734021	0.000575	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.06E-03	0.00E+00	0.00E+00	8.65E-05	1.85E-04	0.00E+00	0.00E+00
11140	500335.1	3734025	0.000584	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.08E-03	0.00E+00	0.00E+00	8.79E-05	1.87E-04	0.00E+00	0.00E+00
11141	500326.2	3734028	0.000592	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.09E-03	0.00E+00	0.00E+00	8.92E-05	1.90E-04	0.00E+00	0.00E+00
11142	500317.3	3734032	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
11143	500308.4	3734036	0.00061	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.12E-03	0.00E+00	0.00E+00	9.18E-05	1.96E-04	0.00E+00	0.00E+00
11144	500299.6	3734039	0.000618	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.14E-03	0.00E+00	0.00E+00	9.31E-05	1.99E-04	0.00E+00	0.00E+00
11145	500290.7	3734043	0.000626	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
11146	500281.8	3734047	0.000634	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	1.17E-03	0.00E+00	0.00E+00	9.55E-05	2.04E-04	0.00E+00	0.00E+00
11147	500272.9	3734050	0.000642	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.18E-03	0.00E+00	0.00E+00	9.67E-05	2.06E-04	0.00E+00	0.00E+00
11148	500264	3734054	0.00065	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.20E-03	0.00E+00	0.00E+00	9.78E-05	2.09E-04	0.00E+00	0.00E+00
11149	500255.1	3734058	0.000657	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.21E-03	0.00E+00	0.00E+00	9.90E-05	2.11E-04	0.00E+00	0.00E+00
11150	500246.2	3734061	0.000664	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.22E-03	0.00E+00	0.00E+00	1.00E-04	2.13E-04	0.00E+00	0.00E+00
11151	500237.3	3734065	0.000671	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	1.24E-03	0.00E+00	0.00E+00	1.01E-04	2.16E-04	0.00E+00	0.00E+00
11152	500228.4	3734069	0.000678	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.25E-03	0.00E+00	0.00E+00	1.02E-04	2.18E-04	0.00E+00	0.00E+00
11153	500219.5	3734072	0.000685	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	1.26E-03	0.00E+00	0.00E+00	1.03E-04	2.20E-04	0.00E+00	0.00E+00
11154	500733.9	3733544	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.75E-05	0.00E+00	0.00E+00
11155	500734.2	3733311	0.000217	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
11156	500734.2	3733301	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
11157	500734.2	3733291	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
11158	500734.2	3733281	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
11159	500734.2	3733272	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
11160	500734.2	3733262	0.000224	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.12E-04	0.00E+00	0.00E+00	3.37E-05	7.19E-05	0.00E+00	0.00E+00
11161	500734.2	3733252	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11162	500734.2	3733243	0.000227	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.18E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
11163	500734.2	3733233	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
11164	500734.3	3733223	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.47E-05	7.39E-05	0.00E+00	0.00E+00
11165	500734.3	3733213	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
11166	500734.3	3733204	0.000234	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.31E-04	0.00E+00	0.00E+00	3.52E-05	7.51E-05	0.00E+00	0.00E+00
11167	500770.2	3733553	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
11168	500766.5	3733562	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.92E-05	6.22E-05	0.00E+00	0.00E+00
11169	500762.8	3733571	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
11170	500759.1	3733580	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
11171	500755.4	3733589	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
11172	500751.7	3733597	0.000203	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
11173	500748	3733606	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.08E-05	6.58E-05	0.00E+00	0.00E+00
11174	500744.3	3733615	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.66E-05	0.00E+00	0.00E+00
11175	500740.6	3733624	0.00021	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.86E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
11176	500736.9	3733633	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
11177	500733.2	3733642	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
11178	500729.4	3733651	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
11179	500725.7	3733660	0.00022	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.05E-04	0.00E+00	0.00E+00	3.31E-05	7.06E-05	0.00E+00	0.00E+00
11180	500722	3733669	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
11181	500718.3	3733678	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11182	500714.6	3733687	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
11183	500710.9	3733696	0.000231	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	4.25E-04	0.00E+00	0.00E+00	3.47E-05	7.41E-05	0.00E+00	0.00E+00
11184	500707.2	3733704	0.000233	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.30E-04	0.00E+00	0.00E+00	3.51E-05	7.50E-05	0.00E+00	0.00E+00
11185	500681.3	3733767	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
11186	500677.6	3733776	0.000256	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
11187	500673.9	3733785	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.90E-05	8.33E-05	0.00E+00	0.00E+00
11188	500670.1	3733794	0.000262	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.83E-04	0.00E+00	0.00E+00	3.95E-05	8.42E-05	0.00E+00	0.00E+00
11189	500666.4	3733803	0.000265	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.89E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
11190	500662.7	3733811	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
11191	500659	3733820	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.70E-05	0.00E+00	0.00E+00
11192	500655.3	3733829	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
11193	500651.6	3733838	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
11194	500647.9	3733847	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.97E-05	0.00E+00	0.00E+00
11195	500644.2	3733856	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
11196	500640.5	3733865	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00

11197	500636.8	3733874	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
11198	500610.8	3733936	0.000305	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.80E-05	0.00E+00	0.00E+00
11199	500585.6	3733962	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
11200	500576.6	3733965	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
11201	500567.7	3733969	0.000339	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11202	500558.8	3733973	0.000346	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.38E-04	0.00E+00	0.00E+00	5.21E-05	1.11E-04	0.00E+00	0.00E+00
11203	500549.9	3733976	0.000354	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	6.53E-04	0.00E+00	0.00E+00	5.33E-05	1.14E-04	0.00E+00	0.00E+00
11204	500540.9	3733980	0.000362	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
11205	500532	3733984	0.00037	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.81E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
11206	500523.1	3733987	0.000378	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	6.96E-04	0.00E+00	0.00E+00	5.69E-05	1.21E-04	0.00E+00	0.00E+00
11207	500514.2	3733991	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
11208	500505.2	3733995	0.000394	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.26E-04	0.00E+00	0.00E+00	5.93E-05	1.27E-04	0.00E+00	0.00E+00
11209	500496.3	3733998	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
11210	500487.4	3734002	0.00041	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.57E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
11211	500478.4	3734006	0.000419	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.72E-04	0.00E+00	0.00E+00	6.31E-05	1.34E-04	0.00E+00	0.00E+00
11212	500469.5	3734009	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00
11213	500460.6	3734013	0.000436	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
11214	500451.7	3734017	0.000444	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.18E-04	0.00E+00	0.00E+00	6.68E-05	1.43E-04	0.00E+00	0.00E+00
11215	500442.7	3734020	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
11216	500433.8	3734024	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
11217	500424.9	3734028	0.000469	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.65E-04	0.00E+00	0.00E+00	7.07E-05	1.51E-04	0.00E+00	0.00E+00
11218	500416	3734031	0.000478	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.19E-05	1.53E-04	0.00E+00	0.00E+00
11219	500407	3734035	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
11220	500398.1	3734039	0.000494	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	9.11E-04	0.00E+00	0.00E+00	7.44E-05	1.59E-04	0.00E+00	0.00E+00
11221	500389.2	3734042	0.000503	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	9.27E-04	0.00E+00	0.00E+00	7.57E-05	1.61E-04	0.00E+00	0.00E+00
11222	500380.3	3734046	0.000511	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	9.42E-04	0.00E+00	0.00E+00	7.69E-05	1.64E-04	0.00E+00	0.00E+00
11223	500371.3	3734050	0.000519	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	9.57E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
11224	500362.4	3734053	0.000527	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
11225	500353.5	3734057	0.000535	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
11226	500344.5	3734061	0.000543	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.00E-03	0.00E+00	0.00E+00	8.18E-05	1.74E-04	0.00E+00	0.00E+00
11227	500335.6	3734065	0.000551	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.02E-03	0.00E+00	0.00E+00	8.30E-05	1.77E-04	0.00E+00	0.00E+00
11228	500326.7	3734068	0.000559	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
11229	500317.8	3734072	0.000566	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.04E-03	0.00E+00	0.00E+00	8.53E-05	1.82E-04	0.00E+00	0.00E+00
11230	500308.8	3734076	0.000574	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.06E-03	0.00E+00	0.00E+00	8.64E-05	1.84E-04	0.00E+00	0.00E+00
11231	500299.9	3734079	0.000581	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.07E-03	0.00E+00	0.00E+00	8.74E-05	1.87E-04	0.00E+00	0.00E+00
11232	500291	3734083	0.000588	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.08E-03	0.00E+00	0.00E+00	8.85E-05	1.89E-04	0.00E+00	0.00E+00
11233	500282.1	3734087	0.000595	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.10E-03	0.00E+00	0.00E+00	8.95E-05	1.91E-04	0.00E+00	0.00E+00
11234	500273.1	3734090	0.000601	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.11E-03	0.00E+00	0.00E+00	9.05E-05	1.93E-04	0.00E+00	0.00E+00
11235	500264.2	3734094	0.000608	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.12E-03	0.00E+00	0.00E+00	9.15E-05	1.95E-04	0.00E+00	0.00E+00
11236	500255.3	3734098	0.000614	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.13E-03	0.00E+00	0.00E+00	9.25E-05	1.97E-04	0.00E+00	0.00E+00
11237	500246.3	3734101	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.34E-05	1.99E-04	0.00E+00	0.00E+00
11238	500237.4	3734105	0.000626	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.15E-03	0.00E+00	0.00E+00	9.43E-05	2.01E-04	0.00E+00	0.00E+00
11239	500228.5	3734109	0.000632	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.16E-03	0.00E+00	0.00E+00	9.51E-05	2.03E-04	0.00E+00	0.00E+00
11240	500219.6	3734112	0.000637	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.17E-03	0.00E+00	0.00E+00	9.60E-05	2.05E-04	0.00E+00	0.00E+00
11241	500773.9	3733544	0.000186	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
11242	500774.2	3733320	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.94E-05	6.26E-05	0.00E+00	0.00E+00
11243	500774.2	3733311	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
11244	500774.2	3733301	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
11245	500774.2	3733291	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.35E-05	0.00E+00	0.00E+00
11246	500774.2	3733281	0.000199	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.67E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
11247	500774.2	3733272	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
11248	500774.2	3733262	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.46E-05	0.00E+00	0.00E+00
11249	500774.2	3733252	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
11250	500774.2	3733243	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
11251	500774.2	3733233	0.000205	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.78E-04	0.00E+00	0.00E+00	3.09E-05	6.59E-05	0.00E+00	0.00E+00
11252	500774.3	3733223	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
11253	500774.3	3733213	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
11254	500774.3	3733204	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.73E-05	0.00E+00	0.00E+00
11255	500810.2	3733553	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
11256	500806.5	3733562	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
11257	500802.8	3733571	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
11258	500799	3733580	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
11259	500795.3	3733589	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
11260	500791.6	3733598	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
11261	500787.9	3733607	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
11262	500784.2	3733616	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.77E-05	5.92E-05	0.00E+00	0.00E+00
11263	500780.4	3733625	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.81E-05	5.98E-05	0.00E+00	0.00E+00
11264	500776.7	3733634	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.06E-05	0.00E+00	0.00E+00
11265	500773	3733642	0.000191	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
11266	500769.3	3733651	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
11267	500765.6	3733660	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
11268	500761.9	3733669	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.97E-05	6.33E-05	0.00E+00	0.00E+00
11269	500758.1	3733678	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
11270	500754.4	3733687	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
11271	500750.7	3733696	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
11272	500747	3733705	0.000207	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.82E-04	0.00E+00	0.00E+00	3.12E-05	6.65E-05	0.00E+00	0.00E+00
11273	500720.9	3733768	0.000224	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
11274	500717.2	3733777	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.29E-05	0.00E+00	0.00E+00
11275	500713.5	3733786	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.38E-05	0.00E+00	0.00E+00
11276	500709.8	3733795	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.55E-05	0.00E+00	0.00E+00
11277	500706.1	3733804	0.000238	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.38E-04	0.00E+00	0.00E+00	3.58E-05	7.64E-05	0.00E+00	0.00E+00
11278	500702.3	3733812	0.00024	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
11279	500698.6	3733821	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
11280	500694.9	3733830	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
11281	500691.2	3733839	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
11282	500687.5	3733848	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
11283	500683.7	3733857	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
11284	500680	3733866	0.000256	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.71E-04	0.00E+00	0.00E+00	3.85E-05	8.21E-05	0.00E+00	0.00E+00
11285	500676.3	3733875	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.29E-05	0.00E+00	0.00E+00
11286	500672.6	3733884	0.000261	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.37E-05	0.00E+00	0.00E+00
11287	500668.9	3733893	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
11288	500665.1	3733902	0.000266	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.89E-04	0.00E+00	0.00E+00	4.00E-05	8.53E-05	0.00E+00	0.00E+00
11289	500661.4	3733911	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.03E-05	8.60E-05	0.00E+00	0.00E+00
11290	500650.3	3733938	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
11291	500646.5	3733947	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
11292	500642.8	3733956	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
11293	500586.9	3734001	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11294	500577.9	3734005	0.000325	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
11295	500569	3734008	0.000331	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
11296	500560	3734012	0.000338	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.24E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11297	500551	3734016	0.000346	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	6.37E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
11298	500542.1	3734019	0.000353	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.50E-04	0.00E+00	0.00E+00	5.31E-05	1.13E-04	0.00E+00	0.00E+00
11299	500533.1	3734023	0.00036	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
11300	500524.2	3734027	0.000367	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	6.77E-04	0.00E+00	0.00E+00	5.53E-05	1.18E-04	0.00E+00	0.00E+00
11301	500515.2	3734030	0.000375	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.90E-04	0.00E+00	0.00E+00	5.64E-05	1.20E-04	0.00E+00	0.00E+00
11302	500506.3	3734034	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
11303	500497.3	3734038	0.000389	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.18E-04	0.00E+00	0.00E+00	5.86E-05	1.25E-04	0.00E+00	0.00E+00
11304	500488.3	3734042	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11305	500479.4	3734045	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
11306	500470.4	3734049	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
11307	500461.5	3734053	0.000419	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	7.73E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
11308	500452.5	3734056	0.000427	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	7.87E-04	0.00E+00	0.00E+00	6.43E-05	1.37E-04	0.00E+00	0.00E+00

11309	500443.5	3734060	0.000434	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	8.01E-04	0.00E+00	0.00E+00	6.54E-05	1.40E-04	0.00E+00	0.00E+00
11310	500434.6	3734064	0.000442	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	8.15E-04	0.00E+00	0.00E+00	6.65E-05	1.42E-04	0.00E+00	0.00E+00
11311	500425.6	3734067	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
11312	500416.7	3734071	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
11313	500407.7	3734075	0.000464	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.56E-04	0.00E+00	0.00E+00	6.99E-05	1.49E-04	0.00E+00	0.00E+00
11314	500398.7	3734078	0.000472	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.69E-04	0.00E+00	0.00E+00	7.10E-05	1.51E-04	0.00E+00	0.00E+00
11315	500389.8	3734082	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
11316	500380.8	3734086	0.000486	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.96E-04	0.00E+00	0.00E+00	7.32E-05	1.56E-04	0.00E+00	0.00E+00
11317	500371.9	3734090	0.000493	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	9.09E-04	0.00E+00	0.00E+00	7.43E-05	1.58E-04	0.00E+00	0.00E+00
11318	500362.9	3734093	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
11319	500354	3734097	0.000507	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	9.35E-04	0.00E+00	0.00E+00	7.64E-05	1.63E-04	0.00E+00	0.00E+00
11320	500345	3734101	0.000514	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	9.48E-04	0.00E+00	0.00E+00	7.74E-05	1.65E-04	0.00E+00	0.00E+00
11321	500336	3734104	0.000521	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	9.60E-04	0.00E+00	0.00E+00	7.84E-05	1.67E-04	0.00E+00	0.00E+00
11322	500327.1	3734108	0.000527	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	9.72E-04	0.00E+00	0.00E+00	7.94E-05	1.69E-04	0.00E+00	0.00E+00
11323	500318.1	3734112	0.000534	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	9.84E-04	0.00E+00	0.00E+00	8.04E-05	1.71E-04	0.00E+00	0.00E+00
11324	500309.2	3734115	0.00054	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.96E-04	0.00E+00	0.00E+00	8.13E-05	1.74E-04	0.00E+00	0.00E+00
11325	500300.2	3734119	0.000547	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.01E-03	0.00E+00	0.00E+00	8.23E-05	1.76E-04	0.00E+00	0.00E+00
11326	500291.2	3734123	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.32E-05	1.77E-04	0.00E+00	0.00E+00
11327	500282.3	3734126	0.000559	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.03E-03	0.00E+00	0.00E+00	8.41E-05	1.79E-04	0.00E+00	0.00E+00
11328	500273.3	3734130	0.000564	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	1.04E-03	0.00E+00	0.00E+00	8.50E-05	1.81E-04	0.00E+00	0.00E+00
11329	500264.4	3734134	0.00057	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	1.05E-03	0.00E+00	0.00E+00	8.58E-05	1.83E-04	0.00E+00	0.00E+00
11330	500813.9	3733544	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
11331	500813.9	3733534	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
11332	500813.9	3733525	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.41E-05	0.00E+00	0.00E+00
11333	500814	3733515	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11334	500814	3733505	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11335	500814	3733495	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11336	500814	3733486	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11337	500814	3733476	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11338	500814	3733466	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11339	500814	3733457	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11340	500814	3733447	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11341	500814	3733437	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11342	500814	3733427	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.41E-05	0.00E+00	0.00E+00
11343	500814.1	3733418	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
11344	500814.1	3733408	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
11345	500814.1	3733398	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.43E-05	0.00E+00	0.00E+00
11346	500814.1	3733388	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11347	500814.1	3733340	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
11348	500814.1	3733330	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
11349	500814.2	3733320	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
11350	500814.2	3733311	0.000174	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.20E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
11351	500814.2	3733301	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11352	500814.2	3733291	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
11353	500814.2	3733281	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.79E-05	0.00E+00	0.00E+00
11354	500814.2	3733272	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.82E-05	0.00E+00	0.00E+00
11355	500814.2	3733262	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
11356	500814.2	3733252	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
11357	500814.2	3733243	0.000184	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.92E-05	0.00E+00	0.00E+00
11358	500814.2	3733233	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.96E-05	0.00E+00	0.00E+00
11359	500814.3	3733223	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
11360	500814.3	3733213	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
11361	500814.3	3733204	0.000189	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
11362	500850.2	3733553	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
11363	500846.5	3733562	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11364	500842.7	3733571	0.000159	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
11365	500839	3733580	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
11366	500835.3	3733589	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
11367	500831.5	3733598	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
11368	500827.8	3733607	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
11369	500824.1	3733616	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
11370	500820.3	3733625	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.43E-05	0.00E+00	0.00E+00
11371	500816.6	3733634	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
11372	500812.9	3733643	0.000173	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
11373	500809.2	3733652	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
11374	500805.4	3733661	0.000177	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
11375	500801.7	3733670	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11376	500798	3733679	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
11377	500794.2	3733688	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
11378	500790.5	3733697	0.000185	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.40E-04	0.00E+00	0.00E+00	2.78E-05	5.93E-05	0.00E+00	0.00E+00
11379	500786.8	3733706	0.000187	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	6.00E-05	0.00E+00	0.00E+00
11380	500760.7	3733768	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
11381	500756.9	3733777	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
11382	500753.2	3733786	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
11383	500749.5	3733795	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
11384	500745.7	3733804	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
11385	500742	3733813	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.21E-05	6.86E-05	0.00E+00	0.00E+00
11386	500738.3	3733822	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
11387	500734.5	3733831	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
11388	500730.8	3733840	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
11389	500727.1	3733849	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
11390	500723.3	3733858	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
11391	500719.6	3733867	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
11392	500715.9	3733876	0.00023	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.23E-04	0.00E+00	0.00E+00	3.46E-05	7.37E-05	0.00E+00	0.00E+00
11393	500712.1	3733885	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
11394	500708.4	3733894	0.000234	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.32E-04	0.00E+00	0.00E+00	3.53E-05	7.52E-05	0.00E+00	0.00E+00
11395	500704.7	3733903	0.000236	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.59E-05	0.00E+00	0.00E+00
11396	500701	3733912	0.000239	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.40E-04	0.00E+00	0.00E+00	3.59E-05	7.67E-05	0.00E+00	0.00E+00
11397	500697.2	3733921	0.000241	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.74E-05	0.00E+00	0.00E+00
11398	500693.5	3733930	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
11399	500689.8	3733939	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.70E-05	7.88E-05	0.00E+00	0.00E+00
11400	500686	3733948	0.000248	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.56E-04	0.00E+00	0.00E+00	3.73E-05	7.95E-05	0.00E+00	0.00E+00
11401	500615	3734029	0.000293	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.40E-04	0.00E+00	0.00E+00	4.41E-05	9.40E-05	0.00E+00	0.00E+00
11402	500588	3734040	0.000311	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.74E-04	0.00E+00	0.00E+00	4.69E-05	9.99E-05	0.00E+00	0.00E+00
11403	500579	3734044	0.000318	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11404	500570	3734048	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
11405	500561.1	3734052	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
11406	500552.1	3734055	0.000337	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	6.21E-04	0.00E+00	0.00E+00	5.07E-05	1.08E-04	0.00E+00	0.00E+00
11407	500543.1	3734059	0.000343	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
11408	500534.1	3734063	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
11409	500525.1	3734066	0.000357	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.57E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
11410	500516.1	3734070	0.000363	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.69E-04	0.00E+00	0.00E+00	5.47E-05	1.17E-04	0.00E+00	0.00E+00
11411	500507.1	3734074	0.00037	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	6.82E-04	0.00E+00	0.00E+00	5.57E-05	1.19E-04	0.00E+00	0.00E+00
11412	500498.2	3734077	0.000377	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	6.94E-04	0.00E+00	0.00E+00	5.67E-05	1.21E-04	0.00E+00	0.00E+00
11413	500489.2	3734081	0.000383	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.07E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
11414	500480.2	3734085	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.87E-05	1.25E-04	0.00E+00	0.00E+00
11415	500471.2	3734089	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11416	500462.2	3734092	0.000404	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.44E-04	0.00E+00	0.00E+00	6.08E-05	1.30E-04	0.00E+00	0.00E+00
11417	500453.2	3734096	0.00041	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.18E-05	1.32E-04	0.00E+00	0.00E+00
11418	500444.2	3734100	0.000417	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.69E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11419	500435.3	3734103	0.000424	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	7.81E-04	0.00E+00	0.00E+00	6.38E-05	1.36E-04	0.00E+00	0.00E+00
11420	500426.3	3734107	0.00043	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.93E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00

11421	500417.3	3734111	0.000437	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	8.05E-04	0.00E+00	0.00E+00	6.58E-05	1.40E-04	0.00E+00	0.00E+00
11422	500408.3	3734115	0.000443	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.68E-05	1.42E-04	0.00E+00	0.00E+00
11423	500399.3	3734118	0.00045	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	8.29E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
11424	500390.3	3734122	0.000456	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	8.41E-04	0.00E+00	0.00E+00	6.87E-05	1.47E-04	0.00E+00	0.00E+00
11425	500381.3	3734126	0.000463	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.53E-04	0.00E+00	0.00E+00	6.97E-05	1.49E-04	0.00E+00	0.00E+00
11426	500372.3	3734129	0.000469	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.06E-05	1.51E-04	0.00E+00	0.00E+00
11427	500363.4	3734133	0.000475	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	8.76E-04	0.00E+00	0.00E+00	7.15E-05	1.53E-04	0.00E+00	0.00E+00
11428	500282.5	3734166	0.000526	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	9.69E-04	0.00E+00	0.00E+00	7.91E-05	1.69E-04	0.00E+00	0.00E+00
11429	500273.5	3734170	0.000531	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.78E-04	0.00E+00	0.00E+00	7.99E-05	1.70E-04	0.00E+00	0.00E+00
11430	500264.5	3734174	0.000535	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	9.87E-04	0.00E+00	0.00E+00	8.06E-05	1.72E-04	0.00E+00	0.00E+00
11431	500255.5	3734177	0.00054	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	9.95E-04	0.00E+00	0.00E+00	8.13E-05	1.73E-04	0.00E+00	0.00E+00
11432	500246.5	3734181	0.000545	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.00E-03	0.00E+00	0.00E+00	8.20E-05	1.75E-04	0.00E+00	0.00E+00
11433	500237.6	3734185	0.000549	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.01E-03	0.00E+00	0.00E+00	8.26E-05	1.76E-04	0.00E+00	0.00E+00
11434	500228.6	3734189	0.000553	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.02E-03	0.00E+00	0.00E+00	8.33E-05	1.78E-04	0.00E+00	0.00E+00
11435	500219.6	3734192	0.000557	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.03E-03	0.00E+00	0.00E+00	8.39E-05	1.79E-04	0.00E+00	0.00E+00
11436	500853.9	3733544	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
11437	500853.9	3733534	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
11438	500853.9	3733525	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.94E-05	0.00E+00	0.00E+00
11439	500854	3733515	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11440	500854	3733505	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11441	500854	3733495	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11442	500854	3733486	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11443	500854	3733476	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11444	500854	3733466	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11445	500854	3733457	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11446	500854	3733447	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11447	500854	3733437	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11448	500854	3733427	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11449	500854.1	3733418	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11450	500854.1	3733408	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
11451	500854.1	3733359	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
11452	500854.1	3733350	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.00E-05	0.00E+00	0.00E+00
11453	500854.1	3733340	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
11454	500854.1	3733330	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
11455	500854.2	3733320	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11456	500854.2	3733311	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11457	500854.2	3733301	0.000159	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
11458	500854.2	3733291	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
11459	500854.2	3733282	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
11460	500854.2	3733272	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
11461	500854.2	3733262	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.43E-05	5.19E-05	0.00E+00	0.00E+00
11462	500854.2	3733252	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
11463	500854.2	3733243	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
11464	500854.2	3733233	0.000165	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
11465	500854.3	3733223	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
11466	500854.3	3733213	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
11467	500854.3	3733204	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
11468	500890.3	3733553	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11469	500886.6	3733562	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
11470	500882.9	3733571	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11471	500879.2	3733579	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11472	500875.6	3733588	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
11473	500871.9	3733597	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
11474	500868.2	3733606	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
11475	500864.5	3733615	0.000153	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
11476	500860.9	3733624	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.95E-05	0.00E+00	0.00E+00
11477	500857.2	3733633	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
11478	500853.5	3733641	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11479	500849.8	3733650	0.000159	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.10E-05	0.00E+00	0.00E+00
11480	500846.2	3733659	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
11481	500842.5	3733668	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
11482	500838.8	3733677	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
11483	500835.1	3733686	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.50E-05	5.32E-05	0.00E+00	0.00E+00
11484	500831.5	3733694	0.000167	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
11485	500827.8	3733703	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11486	500824.1	3733712	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
11487	500820.4	3733721	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.60E-05	5.55E-05	0.00E+00	0.00E+00
11488	500816.8	3733730	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
11489	500794.7	3733783	0.000186	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.44E-04	0.00E+00	0.00E+00	2.81E-05	5.99E-05	0.00E+00	0.00E+00
11490	500791	3733792	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
11491	500787.4	3733800	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.11E-05	0.00E+00	0.00E+00
11492	500783.7	3733809	0.000192	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.54E-04	0.00E+00	0.00E+00	2.90E-05	6.18E-05	0.00E+00	0.00E+00
11493	500780	3733818	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
11494	500776.3	3733827	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
11495	500772.7	3733836	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
11496	500769	3733845	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
11497	500765.3	3733853	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.05E-05	6.50E-05	0.00E+00	0.00E+00
11498	500761.6	3733862	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.56E-05	0.00E+00	0.00E+00
11499	500758	3733871	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
11500	500754.3	3733880	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
11501	500750.6	3733889	0.00021	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.88E-04	0.00E+00	0.00E+00	3.17E-05	6.76E-05	0.00E+00	0.00E+00
11502	500746.9	3733898	0.000212	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
11503	500743.3	3733907	0.000214	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.95E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
11504	500739.6	3733915	0.000216	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.99E-04	0.00E+00	0.00E+00	3.26E-05	6.95E-05	0.00E+00	0.00E+00
11505	500735.9	3733924	0.000218	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.01E-05	0.00E+00	0.00E+00
11506	500732.2	3733933	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
11507	500728.6	3733942	0.000222	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.14E-05	0.00E+00	0.00E+00
11508	500724.9	3733951	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
11509	500679.3	3734043	0.000247	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.56E-04	0.00E+00	0.00E+00	3.72E-05	7.94E-05	0.00E+00	0.00E+00
11510	500670.5	3734046	0.000252	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.10E-05	0.00E+00	0.00E+00
11511	500661.6	3734050	0.000257	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
11512	500652.8	3734054	0.000263	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.44E-05	0.00E+00	0.00E+00
11513	500643.9	3734057	0.000268	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.94E-04	0.00E+00	0.00E+00	4.04E-05	8.61E-05	0.00E+00	0.00E+00
11514	500635.1	3734061	0.000274	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
11515	500626.2	3734065	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.96E-05	0.00E+00	0.00E+00
11516	500617.4	3734068	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.28E-05	9.14E-05	0.00E+00	0.00E+00
11517	500590.8	3734079	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
11518	500582	3734083	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.92E-05	0.00E+00	0.00E+00
11519	500573.1	3734087	0.000315	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.80E-04	0.00E+00	0.00E+00	4.74E-05	1.01E-04	0.00E+00	0.00E+00
11520	500564.3	3734090	0.00032	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
11521	500555.4	3734094	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
11522	500546.6	3734097	0.000332	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.12E-04	0.00E+00	0.00E+00	5.00E-05	1.07E-04	0.00E+00	0.00E+00
11523	500537.7	3734101	0.000338	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.23E-04	0.00E+00	0.00E+00	5.09E-05	1.09E-04	0.00E+00	0.00E+00
11524	500528.9	3734105	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
11525	500520	3734108	0.00035	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	6.45E-04	0.00E+00	0.00E+00	5.27E-05	1.12E-04	0.00E+00	0.00E+00
11526	500511.2	3734112	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
11527	500502.3	3734116	0.000362	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	6.67E-04	0.00E+00	0.00E+00	5.45E-05	1.16E-04	0.00E+00	0.00E+00
11528	500493.5	3734119	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
11529	500484.6	3734123	0.000374	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	6.89E-04	0.00E+00	0.00E+00	5.63E-05	1.20E-04	0.00E+00	0.00E+00
11530	500475.7	3734127	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
11531	500466.9	3734130	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
11532	500458	3734134	0.000391	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.22E-04	0.00E+00	0.00E+00	5.89E-05	1.26E-04	0.00E+00	0.00E+00

11533	500378.4	3734167	0.000443	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.16E-04	0.00E+00	0.00E+00	6.66E-05	1.42E-04	0.00E+00	0.00E+00
11534	500369.5	3734170	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
11535	500360.7	3734174	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.46E-04	0.00E+00	0.00E+00
11536	500351.8	3734178	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
11537	500343	3734181	0.000464	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
11538	500334.1	3734185	0.000469	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
11539	500325.3	3734189	0.000473	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	8.73E-04	0.00E+00	0.00E+00	7.13E-05	1.52E-04	0.00E+00	0.00E+00
11540	500316.4	3734192	0.000478	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	8.81E-04	0.00E+00	0.00E+00	7.20E-05	1.54E-04	0.00E+00	0.00E+00
11541	500307.6	3734196	0.000483	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.90E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
11542	500298.7	3734200	0.000487	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	8.98E-04	0.00E+00	0.00E+00	7.34E-05	1.57E-04	0.00E+00	0.00E+00
11543	500289.9	3734203	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
11544	500281	3734207	0.000496	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	9.15E-04	0.00E+00	0.00E+00	7.47E-05	1.59E-04	0.00E+00	0.00E+00
11545	500272.2	3734211	0.0005	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	9.22E-04	0.00E+00	0.00E+00	7.53E-05	1.61E-04	0.00E+00	0.00E+00
11546	500263.3	3734214	0.000505	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	9.30E-04	0.00E+00	0.00E+00	7.60E-05	1.62E-04	0.00E+00	0.00E+00
11547	500254.5	3734218	0.000509	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	9.37E-04	0.00E+00	0.00E+00	7.66E-05	1.63E-04	0.00E+00	0.00E+00
11548	500245.6	3734222	0.000512	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	9.44E-04	0.00E+00	0.00E+00	7.71E-05	1.65E-04	0.00E+00	0.00E+00
11549	500236.8	3734225	0.000516	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	9.51E-04	0.00E+00	0.00E+00	7.77E-05	1.66E-04	0.00E+00	0.00E+00
11550	500227.9	3734229	0.00052	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	9.58E-04	0.00E+00	0.00E+00	7.82E-05	1.67E-04	0.00E+00	0.00E+00
11551	500219.1	3734232	0.000523	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	9.64E-04	0.00E+00	0.00E+00	7.87E-05	1.68E-04	0.00E+00	0.00E+00
11552	500893.9	3733544	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11553	500893.9	3733534	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.53E-05	0.00E+00	0.00E+00
11554	500893.9	3733525	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
11555	500894	3733515	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
11556	500894	3733505	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11557	500894	3733496	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11558	500894	3733486	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11559	500894	3733476	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11560	500894	3733466	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11561	500894	3733457	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11562	500894	3733447	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11563	500894	3733437	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11564	500894	3733427	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
11565	500894.1	3733379	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
11566	500894.1	3733369	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
11567	500894.1	3733359	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11568	500894.1	3733350	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
11569	500894.1	3733340	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
11570	500894.1	3733330	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
11571	500894.2	3733320	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
11572	500894.2	3733311	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
11573	500894.2	3733301	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11574	500894.2	3733291	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
11575	500894.2	3733282	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11576	500894.2	3733272	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.22E-05	4.73E-05	0.00E+00	0.00E+00
11577	500894.2	3733262	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
11578	500894.2	3733252	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
11579	500894.2	3733243	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
11580	500894.2	3733233	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
11581	500894.3	3733223	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.85E-05	0.00E+00	0.00E+00
11582	500894.3	3733213	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
11583	500894.3	3733204	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
11584	500930.2	3733553	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
11585	500926.6	3733562	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
11586	500922.9	3733571	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
11587	500919.2	3733580	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
11588	500915.5	3733589	0.000136	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.36E-05	0.00E+00	0.00E+00
11589	500911.8	3733597	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
11590	500908.1	3733606	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
11591	500904.4	3733615	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.49E-05	0.00E+00	0.00E+00
11592	500900.7	3733624	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11593	500897.1	3733633	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11594	500893.4	3733642	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
11595	500889.7	3733651	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11596	500886	3733659	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11597	500882.3	3733668	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
11598	500878.6	3733677	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.25E-05	4.81E-05	0.00E+00	0.00E+00
11599	500874.9	3733686	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
11600	500871.2	3733695	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
11601	500867.6	3733704	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
11602	500863.9	3733713	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
11603	500860.2	3733722	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11604	500856.5	3733730	0.00016	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.13E-05	0.00E+00	0.00E+00
11605	500841.8	3733766	0.000166	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.07E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
11606	500838.1	3733775	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11607	500834.4	3733784	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.56E-05	5.45E-05	0.00E+00	0.00E+00
11608	500830.7	3733793	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
11609	500827	3733801	0.000173	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.20E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
11610	500823.3	3733810	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00
11611	500819.6	3733819	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
11612	500815.9	3733828	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
11613	500812.3	3733837	0.00018	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
11614	500793.8	3733881	0.00019	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.09E-05	0.00E+00	0.00E+00
11615	500790.1	3733890	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
11616	500786.4	3733899	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
11617	500782.8	3733908	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.94E-05	6.26E-05	0.00E+00	0.00E+00
11618	500779.1	3733917	0.000197	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.63E-04	0.00E+00	0.00E+00	2.96E-05	6.32E-05	0.00E+00	0.00E+00
11619	500775.4	3733926	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.38E-05	0.00E+00	0.00E+00
11620	500771.7	3733934	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00
11621	500768	3733943	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
11622	500764.3	3733952	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
11623	500727.5	3734041	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.33E-05	7.10E-05	0.00E+00	0.00E+00
11624	500723.8	3734050	0.000223	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.10E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
11625	500720.1	3734059	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.37E-05	7.20E-05	0.00E+00	0.00E+00
11626	500707.5	3734071	0.00023	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	4.24E-04	0.00E+00	0.00E+00	3.46E-05	7.39E-05	0.00E+00	0.00E+00
11627	500698.6	3734075	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.53E-05	7.54E-05	0.00E+00	0.00E+00
11628	500689.8	3734078	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
11629	500680.9	3734082	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.83E-05	0.00E+00	0.00E+00
11630	500672	3734086	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.99E-05	0.00E+00	0.00E+00
11631	500663.1	3734089	0.000254	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
11632	500654.2	3734093	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
11633	500645.4	3734097	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.97E-05	8.46E-05	0.00E+00	0.00E+00
11634	500636.5	3734100	0.000268	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	4.95E-04	0.00E+00	0.00E+00	4.04E-05	8.62E-05	0.00E+00	0.00E+00
11635	500627.6	3734104	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
11636	500618.7	3734108	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
11637	500592.1	3734119	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
11638	500583.2	3734122	0.0003	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.53E-04	0.00E+00	0.00E+00	4.52E-05	9.63E-05	0.00E+00	0.00E+00
11639	500574.3	3734126	0.000305	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.63E-04	0.00E+00	0.00E+00	4.60E-05	9.81E-05	0.00E+00	0.00E+00
11640	500565.4	3734130	0.000311	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	5.73E-04	0.00E+00	0.00E+00	4.68E-05	9.98E-05	0.00E+00	0.00E+00
11641	500556.6	3734133	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11642	500476.6	3734166	0.000366	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.74E-04	0.00E+00	0.00E+00	5.50E-05	1.17E-04	0.00E+00	0.00E+00
11643	500467.8	3734170	0.000371	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.84E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
11644	500458.9	3734174	0.000376	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.93E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00

11645	500450	3734177	0.000381	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	7.03E-04	0.00E+00	0.00E+00	5.74E-05	1.22E-04	0.00E+00	0.00E+00
11646	500441.1	3734181	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.82E-05	1.24E-04	0.00E+00	0.00E+00
11647	500432.2	3734185	0.000392	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	7.22E-04	0.00E+00	0.00E+00	5.90E-05	1.26E-04	0.00E+00	0.00E+00
11648	500423.3	3734188	0.000397	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	7.32E-04	0.00E+00	0.00E+00	5.98E-05	1.27E-04	0.00E+00	0.00E+00
11649	500414.5	3734192	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
11650	500405.6	3734196	0.000407	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	7.50E-04	0.00E+00	0.00E+00	6.13E-05	1.31E-04	0.00E+00	0.00E+00
11651	500396.7	3734199	0.000412	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	7.59E-04	0.00E+00	0.00E+00	6.20E-05	1.32E-04	0.00E+00	0.00E+00
11652	500387.8	3734203	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11653	500378.9	3734207	0.000422	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.77E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
11654	500370.1	3734210	0.000426	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.86E-04	0.00E+00	0.00E+00	6.42E-05	1.37E-04	0.00E+00	0.00E+00
11655	500361.2	3734214	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.49E-05	1.38E-04	0.00E+00	0.00E+00
11656	500352.3	3734218	0.000435	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
11657	500343.4	3734221	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
11658	500334.5	3734225	0.000444	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	8.19E-04	0.00E+00	0.00E+00	6.69E-05	1.43E-04	0.00E+00	0.00E+00
11659	500325.7	3734228	0.000449	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.27E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
11660	500316.8	3734232	0.000453	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	8.35E-04	0.00E+00	0.00E+00	6.82E-05	1.45E-04	0.00E+00	0.00E+00
11661	500307.9	3734236	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
11662	500299	3734239	0.000461	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.49E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
11663	500290.1	3734243	0.000465	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	8.57E-04	0.00E+00	0.00E+00	7.00E-05	1.49E-04	0.00E+00	0.00E+00
11664	500281.3	3734247	0.000469	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	8.64E-04	0.00E+00	0.00E+00	7.05E-05	1.50E-04	0.00E+00	0.00E+00
11665	500272.4	3734250	0.000472	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	8.70E-04	0.00E+00	0.00E+00	7.11E-05	1.52E-04	0.00E+00	0.00E+00
11666	500263.5	3734254	0.000476	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	8.77E-04	0.00E+00	0.00E+00	7.16E-05	1.53E-04	0.00E+00	0.00E+00
11667	500254.6	3734258	0.000479	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	8.83E-04	0.00E+00	0.00E+00	7.21E-05	1.54E-04	0.00E+00	0.00E+00
11668	500245.7	3734261	0.000483	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.89E-04	0.00E+00	0.00E+00	7.27E-05	1.55E-04	0.00E+00	0.00E+00
11669	500236.9	3734265	0.000486	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	8.95E-04	0.00E+00	0.00E+00	7.31E-05	1.56E-04	0.00E+00	0.00E+00
11670	500228	3734269	0.000489	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	9.01E-04	0.00E+00	0.00E+00	7.36E-05	1.57E-04	0.00E+00	0.00E+00
11671	500219.1	3734272	0.000492	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	9.07E-04	0.00E+00	0.00E+00	7.41E-05	1.58E-04	0.00E+00	0.00E+00
11672	500933.9	3733544	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11673	500933.9	3733534	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11674	500933.9	3733525	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11675	500934	3733515	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11676	500934	3733505	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11677	500934	3733496	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11678	500934	3733486	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11679	500934	3733476	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11680	500934	3733466	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11681	500934	3733457	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
11682	500934	3733447	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
11683	500934.1	3733398	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
11684	500934.1	3733389	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
11685	500934.1	3733379	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
11686	500934.1	3733369	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
11687	500934.1	3733359	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
11688	500934.1	3733350	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
11689	500934.1	3733340	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
11690	500934.1	3733330	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
11691	500934.2	3733321	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
11692	500934.2	3733311	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
11693	500934.2	3733301	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
11694	500934.2	3733291	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
11695	500934.2	3733282	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
11696	500934.2	3733272	0.000136	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.35E-05	0.00E+00	0.00E+00
11697	500934.2	3733262	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
11698	500934.2	3733252	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
11699	500934.2	3733243	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
11700	500934.2	3733233	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.44E-05	0.00E+00	0.00E+00
11701	500934.3	3733223	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
11702	500934.3	3733214	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
11703	500934.3	3733204	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
11704	500970.2	3733553	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11705	500966.5	3733562	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
11706	500962.8	3733571	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
11707	500959.1	3733580	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
11708	500955.4	3733589	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.88E-05	4.02E-05	0.00E+00	0.00E+00
11709	500951.7	3733598	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
11710	500948	3733606	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
11711	500944.3	3733615	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
11712	500940.6	3733624	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
11713	500936.9	3733633	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.21E-05	0.00E+00	0.00E+00
11714	500933.2	3733642	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
11715	500929.5	3733651	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
11716	500925.8	3733660	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
11717	500922.2	3733669	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
11718	500918.5	3733678	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
11719	500914.8	3733687	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
11720	500911.1	3733695	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
11721	500907.4	3733704	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11722	500903.7	3733713	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
11723	500900	3733722	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.64E-05	0.00E+00	0.00E+00
11724	500896.3	3733731	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
11725	500881.5	3733767	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
11726	500877.8	3733776	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11727	500874.1	3733784	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
11728	500870.4	3733793	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.35E-05	5.02E-05	0.00E+00	0.00E+00
11729	500866.7	3733802	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11730	500863	3733811	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
11731	500859.3	3733820	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
11732	500855.6	3733829	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
11733	500851.9	3733838	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
11734	500848.2	3733847	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.34E-05	0.00E+00	0.00E+00
11735	500844.5	3733856	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
11736	500840.8	3733864	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11737	500837.1	3733873	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
11738	500833.4	3733882	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.53E-05	0.00E+00	0.00E+00
11739	500829.7	3733891	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.58E-05	0.00E+00	0.00E+00
11740	500826	3733900	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
11741	500822.3	3733909	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
11742	500818.6	3733918	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.75E-05	0.00E+00	0.00E+00
11743	500814.9	3733927	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
11744	500766.8	3734042	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
11745	500763.1	3734051	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.06E-05	6.52E-05	0.00E+00	0.00E+00
11746	500759.4	3734060	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
11747	500755.7	3734069	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.10E-05	6.62E-05	0.00E+00	0.00E+00
11748	500752	3734078	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
11749	500748.3	3734087	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
11750	500735.7	3734099	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.89E-05	0.00E+00	0.00E+00
11751	500726.8	3734103	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
11752	500717.9	3734107	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
11753	500709	3734110	0.000227	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	4.19E-04	0.00E+00	0.00E+00	3.42E-05	7.30E-05	0.00E+00	0.00E+00
11754	500700.1	3734114	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
11755	500691.2	3734118	0.000236	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.35E-04	0.00E+00	0.00E+00	3.55E-05	7.58E-05	0.00E+00	0.00E+00
11756	500682.3	3734121	0.00024	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00

11757	500673.4	3734125	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.69E-05	7.86E-05	0.00E+00	0.00E+00
11758	500664.5	3734129	0.000249	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.75E-05	8.01E-05	0.00E+00	0.00E+00
11759	500655.6	3734132	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.16E-05	0.00E+00	0.00E+00
11760	500646.7	3734136	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.89E-05	8.31E-05	0.00E+00	0.00E+00
11761	500566.5	3734169	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
11762	500557.6	3734173	0.000308	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.68E-04	0.00E+00	0.00E+00	4.64E-05	9.90E-05	0.00E+00	0.00E+00
11763	500548.7	3734177	0.000312	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.76E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
11764	500539.8	3734180	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
11765	500530.9	3734184	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
11766	500522	3734188	0.000328	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.04E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
11767	500513	3734191	0.000333	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	6.13E-04	0.00E+00	0.00E+00	5.01E-05	1.07E-04	0.00E+00	0.00E+00
11768	500504.1	3734195	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
11769	500495.2	3734199	0.000342	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	6.31E-04	0.00E+00	0.00E+00	5.16E-05	1.10E-04	0.00E+00	0.00E+00
11770	500486.3	3734202	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
11771	500477.4	3734206	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
11772	500468.5	3734210	0.000357	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	6.58E-04	0.00E+00	0.00E+00	5.37E-05	1.15E-04	0.00E+00	0.00E+00
11773	500459.6	3734213	0.000361	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	6.66E-04	0.00E+00	0.00E+00	5.44E-05	1.16E-04	0.00E+00	0.00E+00
11774	500450.7	3734217	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
11775	500441.8	3734221	0.000371	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	6.83E-04	0.00E+00	0.00E+00	5.58E-05	1.19E-04	0.00E+00	0.00E+00
11776	500432.9	3734224	0.000375	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
11777	500424	3734228	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.72E-05	1.22E-04	0.00E+00	0.00E+00
11778	500415.1	3734232	0.000384	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.23E-04	0.00E+00	0.00E+00
11779	500406.2	3734235	0.000389	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	7.17E-04	0.00E+00	0.00E+00	5.85E-05	1.25E-04	0.00E+00	0.00E+00
11780	500397.3	3734239	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
11781	500388.3	3734243	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
11782	500379.4	3734246	0.000402	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	7.41E-04	0.00E+00	0.00E+00	6.05E-05	1.29E-04	0.00E+00	0.00E+00
11783	500370.5	3734250	0.000406	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	7.48E-04	0.00E+00	0.00E+00	6.11E-05	1.30E-04	0.00E+00	0.00E+00
11784	500361.6	3734254	0.00041	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	7.56E-04	0.00E+00	0.00E+00	6.17E-05	1.32E-04	0.00E+00	0.00E+00
11785	500352.7	3734257	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.24E-05	1.33E-04	0.00E+00	0.00E+00
11786	500343.8	3734261	0.000418	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	7.71E-04	0.00E+00	0.00E+00	6.29E-05	1.34E-04	0.00E+00	0.00E+00
11787	500334.9	3734265	0.000422	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	7.78E-04	0.00E+00	0.00E+00	6.35E-05	1.35E-04	0.00E+00	0.00E+00
11788	500326	3734268	0.000426	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	7.85E-04	0.00E+00	0.00E+00	6.41E-05	1.37E-04	0.00E+00	0.00E+00
11789	500317.1	3734272	0.000429	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	7.91E-04	0.00E+00	0.00E+00	6.46E-05	1.38E-04	0.00E+00	0.00E+00
11790	500308.2	3734276	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
11791	500299.3	3734279	0.000436	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	8.04E-04	0.00E+00	0.00E+00	6.57E-05	1.40E-04	0.00E+00	0.00E+00
11792	500290.4	3734283	0.00044	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	8.11E-04	0.00E+00	0.00E+00	6.62E-05	1.41E-04	0.00E+00	0.00E+00
11793	500281.5	3734287	0.000443	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	8.17E-04	0.00E+00	0.00E+00	6.67E-05	1.42E-04	0.00E+00	0.00E+00
11794	500272.5	3734290	0.000446	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	8.23E-04	0.00E+00	0.00E+00	6.72E-05	1.43E-04	0.00E+00	0.00E+00
11795	500263.6	3734294	0.000449	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	8.28E-04	0.00E+00	0.00E+00	6.77E-05	1.44E-04	0.00E+00	0.00E+00
11796	500254.7	3734298	0.000452	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	8.34E-04	0.00E+00	0.00E+00	6.81E-05	1.45E-04	0.00E+00	0.00E+00
11797	500245.8	3734301	0.000455	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	8.39E-04	0.00E+00	0.00E+00	6.86E-05	1.46E-04	0.00E+00	0.00E+00
11798	500236.9	3734305	0.000458	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	8.45E-04	0.00E+00	0.00E+00	6.90E-05	1.47E-04	0.00E+00	0.00E+00
11799	500228	3734309	0.000461	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	8.50E-04	0.00E+00	0.00E+00	6.94E-05	1.48E-04	0.00E+00	0.00E+00
11800	500219.1	3734312	0.000463	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	8.54E-04	0.00E+00	0.00E+00	6.98E-05	1.49E-04	0.00E+00	0.00E+00
11801	500973.9	3733544	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
11802	500973.9	3733534	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.85E-05	0.00E+00	0.00E+00
11803	500973.9	3733525	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11804	500974	3733515	0.00012	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11805	500974	3733505	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11806	500974	3733496	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11807	500974	3733486	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
11808	500974	3733476	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
11809	500974	3733466	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
11810	500974	3733457	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11811	500974.1	3733408	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
11812	500974.1	3733398	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
11813	500974.1	3733389	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.87E-05	0.00E+00	0.00E+00
11814	500974.1	3733379	0.000121	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11815	500974.1	3733369	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11816	500974.1	3733359	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
11817	500974.1	3733350	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00
11818	500974.1	3733340	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
11819	500974.1	3733330	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
11820	500974.2	3733321	0.000123	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.26E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
11821	500974.2	3733311	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
11822	500974.2	3733301	0.000124	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.28E-04	0.00E+00	0.00E+00	1.87E-05	3.98E-05	0.00E+00	0.00E+00
11823	500974.2	3733291	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
11824	500974.2	3733282	0.000125	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.30E-04	0.00E+00	0.00E+00	1.88E-05	4.01E-05	0.00E+00	0.00E+00
11825	500974.2	3733272	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
11826	500974.2	3733262	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.04E-05	0.00E+00	0.00E+00
11827	500974.2	3733252	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
11828	500974.2	3733243	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
11829	500974.2	3733233	0.000128	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
11830	500974.3	3733223	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
11831	500974.3	3733214	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
11832	500974.3	3733204	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
11833	500999.1	3733580	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
11834	500995.4	3733589	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.72E-05	0.00E+00	0.00E+00
11835	500991.7	3733598	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
11836	500988	3733607	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
11837	500984.3	3733616	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
11838	500980.5	3733625	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
11839	500976.8	3733633	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.89E-05	0.00E+00	0.00E+00
11840	500973.1	3733642	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.84E-05	3.92E-05	0.00E+00	0.00E+00
11841	500969.4	3733651	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
11842	500965.7	3733660	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
11843	500962	3733669	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
11844	500958.3	3733678	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
11845	500954.6	3733687	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
11846	500950.9	3733696	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
11847	500947.2	3733705	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
11848	500943.5	3733714	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.98E-05	4.23E-05	0.00E+00	0.00E+00
11849	500939.8	3733723	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
11850	500936	3733732	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
11851	500921.2	3733767	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
11852	500917.5	3733776	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
11853	500913.8	3733785	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.57E-05	0.00E+00	0.00E+00
11854	500910.1	3733794	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
11855	500906.4	3733803	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
11856	500902.7	3733812	0.000146	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.20E-05	4.70E-05	0.00E+00	0.00E+00
11857	500899	3733821	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
11858	500895.3	3733830	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
11859	500891.5	3733839	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
11860	500887.8	3733848	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
11861	500884.1	3733856	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
11862	500880.4	3733865	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
11863	500876.7	3733874	0.000156	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.88E-04	0.00E+00	0.00E+00	2.36E-05	5.02E-05	0.00E+00	0.00E+00
11864	500873	3733883	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
11865	500869.3	3733892	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.12E-05	0.00E+00	0.00E+00
11866	500865.6	3733901	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
11867	500861.9	3733910	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.44E-05	5.21E-05	0.00E+00	0.00E+00
11868	500858.2	3733919	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00

11869	500854.5	3733928	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
11870	500850.8	3733937	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
11871	500847	3733946	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.40E-05	0.00E+00	0.00E+00
11872	500843.3	3733955	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
11873	500839.6	3733964	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
11874	500835.9	3733972	0.000173	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
11875	500832.2	3733981	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
11876	500828.5	3733990	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.64E-05	5.64E-05	0.00E+00	0.00E+00
11877	500824.8	3733999	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
11878	500821.1	3734008	0.000179	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11879	500817.4	3734017	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
11880	500795.1	3734071	0.000189	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.48E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
11881	500791.4	3734079	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.10E-05	0.00E+00	0.00E+00
11882	500787.7	3734088	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
11883	500784	3734097	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
11884	500780.3	3734106	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.92E-05	6.23E-05	0.00E+00	0.00E+00
11885	500776.6	3734115	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
11886	500763.9	3734128	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.43E-05	0.00E+00	0.00E+00
11887	500755	3734131	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.55E-05	0.00E+00	0.00E+00
11888	500746.1	3734135	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.67E-05	0.00E+00	0.00E+00
11889	500665.7	3734168	0.000245	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.52E-04	0.00E+00	0.00E+00	3.69E-05	7.87E-05	0.00E+00	0.00E+00
11890	500656.8	3734172	0.000249	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.60E-04	0.00E+00	0.00E+00	3.75E-05	8.01E-05	0.00E+00	0.00E+00
11891	500647.8	3734176	0.000254	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.68E-04	0.00E+00	0.00E+00	3.82E-05	8.15E-05	0.00E+00	0.00E+00
11892	500638.9	3734179	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.88E-05	8.29E-05	0.00E+00	0.00E+00
11893	500630	3734183	0.000262	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	4.84E-04	0.00E+00	0.00E+00	3.95E-05	8.43E-05	0.00E+00	0.00E+00
11894	500621	3734187	0.000267	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.92E-04	0.00E+00	0.00E+00	4.02E-05	8.57E-05	0.00E+00	0.00E+00
11895	500612.1	3734190	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
11896	500585.3	3734201	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
11897	500576.4	3734205	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
11898	500567.4	3734209	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
11899	500558.5	3734212	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
11900	500549.6	3734216	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
11901	500540.7	3734220	0.000307	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.87E-05	0.00E+00	0.00E+00
11902	500531.7	3734224	0.000312	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.70E-05	1.00E-04	0.00E+00	0.00E+00
11903	500522.8	3734227	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
11904	500513.9	3734231	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
11905	500504.9	3734235	0.000325	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.04E-04	0.00E+00	0.00E+00
11906	500496	3734238	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
11907	500487.1	3734242	0.000335	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	6.17E-04	0.00E+00	0.00E+00	5.04E-05	1.07E-04	0.00E+00	0.00E+00
11908	500478.1	3734246	0.000339	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	6.25E-04	0.00E+00	0.00E+00	5.10E-05	1.09E-04	0.00E+00	0.00E+00
11909	500469.2	3734249	0.000343	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	6.33E-04	0.00E+00	0.00E+00	5.17E-05	1.10E-04	0.00E+00	0.00E+00
11910	500460.3	3734253	0.000347	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	6.40E-04	0.00E+00	0.00E+00	5.23E-05	1.12E-04	0.00E+00	0.00E+00
11911	500451.3	3734257	0.000352	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.48E-04	0.00E+00	0.00E+00	5.29E-05	1.13E-04	0.00E+00	0.00E+00
11912	500442.4	3734260	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
11913	500433.5	3734264	0.00036	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	6.63E-04	0.00E+00	0.00E+00	5.42E-05	1.16E-04	0.00E+00	0.00E+00
11914	500424.5	3734268	0.000364	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	6.71E-04	0.00E+00	0.00E+00	5.48E-05	1.17E-04	0.00E+00	0.00E+00
11915	500415.6	3734271	0.000368	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	6.78E-04	0.00E+00	0.00E+00	5.54E-05	1.18E-04	0.00E+00	0.00E+00
11916	500406.7	3734275	0.000372	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.85E-04	0.00E+00	0.00E+00	5.60E-05	1.19E-04	0.00E+00	0.00E+00
11917	500397.7	3734279	0.000376	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.92E-04	0.00E+00	0.00E+00	5.66E-05	1.21E-04	0.00E+00	0.00E+00
11918	500388.8	3734282	0.00038	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	7.00E-04	0.00E+00	0.00E+00	5.71E-05	1.22E-04	0.00E+00	0.00E+00
11919	500379.9	3734286	0.000383	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	7.06E-04	0.00E+00	0.00E+00	5.77E-05	1.23E-04	0.00E+00	0.00E+00
11920	500370.9	3734290	0.000387	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	7.13E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
11921	500362	3734293	0.000391	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	7.20E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
11922	500353.1	3734297	0.000394	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	7.27E-04	0.00E+00	0.00E+00	5.94E-05	1.27E-04	0.00E+00	0.00E+00
11923	500344.1	3734301	0.000398	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	7.33E-04	0.00E+00	0.00E+00	5.99E-05	1.28E-04	0.00E+00	0.00E+00
11924	500335.2	3734304	0.000401	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	7.39E-04	0.00E+00	0.00E+00	6.04E-05	1.29E-04	0.00E+00	0.00E+00
11925	500326.3	3734308	0.000404	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	7.45E-04	0.00E+00	0.00E+00	6.09E-05	1.30E-04	0.00E+00	0.00E+00
11926	500317.4	3734312	0.000408	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	7.51E-04	0.00E+00	0.00E+00	6.14E-05	1.31E-04	0.00E+00	0.00E+00
11927	500308.4	3734316	0.000411	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	7.57E-04	0.00E+00	0.00E+00	6.19E-05	1.32E-04	0.00E+00	0.00E+00
11928	500299.5	3734319	0.000414	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	7.63E-04	0.00E+00	0.00E+00	6.23E-05	1.33E-04	0.00E+00	0.00E+00
11929	500290.6	3734323	0.000417	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	7.68E-04	0.00E+00	0.00E+00	6.28E-05	1.34E-04	0.00E+00	0.00E+00
11930	500281.6	3734327	0.00042	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	7.74E-04	0.00E+00	0.00E+00	6.32E-05	1.35E-04	0.00E+00	0.00E+00
11931	500272.7	3734330	0.000423	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	7.79E-04	0.00E+00	0.00E+00	6.36E-05	1.36E-04	0.00E+00	0.00E+00
11932	500263.8	3734334	0.000425	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	7.84E-04	0.00E+00	0.00E+00	6.40E-05	1.37E-04	0.00E+00	0.00E+00
11933	500254.8	3734338	0.000428	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	7.89E-04	0.00E+00	0.00E+00	6.44E-05	1.37E-04	0.00E+00	0.00E+00
11934	500245.9	3734341	0.000431	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	7.94E-04	0.00E+00	0.00E+00	6.48E-05	1.38E-04	0.00E+00	0.00E+00
11935	500237	3734345	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
11936	500228	3734349	0.000435	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	8.03E-04	0.00E+00	0.00E+00	6.56E-05	1.40E-04	0.00E+00	0.00E+00
11937	500219.1	3734352	0.000438	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	8.07E-04	0.00E+00	0.00E+00	6.59E-05	1.41E-04	0.00E+00	0.00E+00
11938	501050.2	3733553	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
11939	501046.5	3733562	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
11940	501042.8	3733571	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.60E-05	3.40E-05	0.00E+00	0.00E+00
11941	501039.1	3733580	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
11942	501035.3	3733589	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
11943	501031.6	3733598	0.000109	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
11944	501027.9	3733607	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
11945	501024.2	3733616	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
11946	500994.4	3733687	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
11947	500990.7	3733696	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
11948	500987	3733705	0.000121	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.22E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
11949	500983.3	3733714	0.000122	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.25E-04	0.00E+00	0.00E+00	1.83E-05	3.91E-05	0.00E+00	0.00E+00
11950	500979.6	3733723	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.85E-05	3.95E-05	0.00E+00	0.00E+00
11951	500975.9	3733732	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
11952	500961	3733768	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.14E-05	0.00E+00	0.00E+00
11953	500957.3	3733777	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
11954	500953.5	3733786	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
11955	500949.8	3733795	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
11956	500946.1	3733804	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.01E-05	4.30E-05	0.00E+00	0.00E+00
11957	500942.4	3733813	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
11958	500938.7	3733822	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
11959	500935	3733830	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
11960	500931.2	3733839	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
11961	500927.5	3733848	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
11962	500923.8	3733857	0.000141	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
11963	500920.1	3733866	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
11964	500916.4	3733875	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.17E-05	4.62E-05	0.00E+00	0.00E+00
11965	500912.7	3733884	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
11966	500908.9	3733893	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
11967	500905.2	3733902	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
11968	500901.5	3733911	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
11969	500897.8	3733920	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
11970	500894.1	3733929	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
11971	500890.3	3733938	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
11972	500886.6	3733947	0.000155	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.96E-05	0.00E+00	0.00E+00
11973	500882.9	3733956	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.35E-05	5.01E-05	0.00E+00	0.00E+00
11974	500879.2	3733965	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.05E-05	0.00E+00	0.00E+00
11975	500875.5	3733974	0.000159	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
11976	500871.8	3733983	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
11977	500868	3733991	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
11978	500864.3	3734000	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
11979	500860.6	3734009	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.27E-05	0.00E+00	0.00E+00
11980	500856.9	3734018	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00

11981	500853.2	3734027	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
11982	500849.5	3734036	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
11983	500845.7	3734045	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
11984	500842	3734054	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.48E-05	0.00E+00	0.00E+00
11985	500838.3	3734063	0.000172	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.17E-04	0.00E+00	0.00E+00	2.59E-05	5.52E-05	0.00E+00	0.00E+00
11986	500834.6	3734072	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
11987	500830.9	3734081	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
11988	500827.1	3734090	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.65E-05	0.00E+00	0.00E+00
11989	500823.4	3734099	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.69E-05	0.00E+00	0.00E+00
11990	500819.7	3734108	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
11991	500765.3	3734167	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.37E-05	0.00E+00	0.00E+00
11992	500756.4	3734171	0.000202	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.72E-04	0.00E+00	0.00E+00	3.04E-05	6.48E-05	0.00E+00	0.00E+00
11993	500747.4	3734175	0.000205	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.79E-04	0.00E+00	0.00E+00	3.09E-05	6.60E-05	0.00E+00	0.00E+00
11994	500738.4	3734178	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
11995	500729.5	3734182	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.84E-05	0.00E+00	0.00E+00
11996	500720.5	3734186	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
11997	500711.6	3734189	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
11998	500702.6	3734193	0.000225	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.14E-04	0.00E+00	0.00E+00	3.38E-05	7.21E-05	0.00E+00	0.00E+00
11999	500693.7	3734197	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
12000	500684.7	3734200	0.000233	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	4.29E-04	0.00E+00	0.00E+00	3.50E-05	7.47E-05	0.00E+00	0.00E+00
12001	500675.8	3734204	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
12002	500666.8	3734208	0.000241	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.43E-04	0.00E+00	0.00E+00	3.62E-05	7.72E-05	0.00E+00	0.00E+00
12003	500657.9	3734211	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.85E-05	0.00E+00	0.00E+00
12004	500648.9	3734215	0.000249	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
12005	500639.9	3734219	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
12006	500631	3734223	0.000257	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.73E-04	0.00E+00	0.00E+00	3.86E-05	8.24E-05	0.00E+00	0.00E+00
12007	500622	3734226	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
12008	500613.1	3734230	0.000265	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	4.88E-04	0.00E+00	0.00E+00	3.99E-05	8.51E-05	0.00E+00	0.00E+00
12009	500586.2	3734241	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
12010	500577.3	3734245	0.000281	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.19E-04	0.00E+00	0.00E+00	4.24E-05	9.04E-05	0.00E+00	0.00E+00
12011	500568.3	3734248	0.000286	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
12012	500559.4	3734252	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.30E-05	0.00E+00	0.00E+00
12013	500550.4	3734256	0.000294	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.43E-05	0.00E+00	0.00E+00
12014	500541.4	3734259	0.000298	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.49E-04	0.00E+00	0.00E+00	4.48E-05	9.56E-05	0.00E+00	0.00E+00
12015	500532.5	3734263	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
12016	500523.5	3734267	0.000306	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	5.64E-04	0.00E+00	0.00E+00	4.61E-05	9.83E-05	0.00E+00	0.00E+00
12017	500514.6	3734271	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
12018	500505.6	3734274	0.000314	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
12019	500496.7	3734278	0.000318	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	5.86E-04	0.00E+00	0.00E+00	4.79E-05	1.02E-04	0.00E+00	0.00E+00
12020	500487.7	3734282	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.85E-05	1.03E-04	0.00E+00	0.00E+00
12021	500478.8	3734285	0.000326	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.00E-04	0.00E+00	0.00E+00	4.90E-05	1.05E-04	0.00E+00	0.00E+00
12022	500469.8	3734289	0.00033	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	6.09E-04	0.00E+00	0.00E+00	4.97E-05	1.06E-04	0.00E+00	0.00E+00
12023	500460.9	3734293	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
12024	500451.9	3734296	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
12025	500442.9	3734300	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
12026	500434	3734304	0.000345	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	6.36E-04	0.00E+00	0.00E+00	5.20E-05	1.11E-04	0.00E+00	0.00E+00
12027	500425	3734307	0.000349	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	6.43E-04	0.00E+00	0.00E+00	5.25E-05	1.12E-04	0.00E+00	0.00E+00
12028	500416.1	3734311	0.000352	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	6.49E-04	0.00E+00	0.00E+00	5.30E-05	1.13E-04	0.00E+00	0.00E+00
12029	500407.1	3734315	0.000356	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	6.56E-04	0.00E+00	0.00E+00	5.36E-05	1.14E-04	0.00E+00	0.00E+00
12030	500398.2	3734319	0.000359	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	6.62E-04	0.00E+00	0.00E+00	5.41E-05	1.15E-04	0.00E+00	0.00E+00
12031	500389.2	3734322	0.000363	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	6.68E-04	0.00E+00	0.00E+00	5.46E-05	1.16E-04	0.00E+00	0.00E+00
12032	500380.3	3734326	0.000366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	6.75E-04	0.00E+00	0.00E+00	5.51E-05	1.18E-04	0.00E+00	0.00E+00
12033	500371.3	3734330	0.000369	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.81E-04	0.00E+00	0.00E+00	5.56E-05	1.19E-04	0.00E+00	0.00E+00
12034	500362.4	3734333	0.000372	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	6.86E-04	0.00E+00	0.00E+00	5.61E-05	1.20E-04	0.00E+00	0.00E+00
12035	500353.4	3734337	0.000376	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	6.92E-04	0.00E+00	0.00E+00	5.65E-05	1.21E-04	0.00E+00	0.00E+00
12036	500344.4	3734341	0.000379	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	6.98E-04	0.00E+00	0.00E+00	5.70E-05	1.22E-04	0.00E+00	0.00E+00
12037	500335.5	3734344	0.000382	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	7.04E-04	0.00E+00	0.00E+00	5.75E-05	1.23E-04	0.00E+00	0.00E+00
12038	500326.5	3734348	0.000385	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	7.09E-04	0.00E+00	0.00E+00	5.79E-05	1.24E-04	0.00E+00	0.00E+00
12039	500317.6	3734352	0.000388	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	7.14E-04	0.00E+00	0.00E+00	5.83E-05	1.24E-04	0.00E+00	0.00E+00
12040	500308.6	3734355	0.00039	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	7.19E-04	0.00E+00	0.00E+00	5.88E-05	1.25E-04	0.00E+00	0.00E+00
12041	500299.7	3734359	0.000393	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	7.25E-04	0.00E+00	0.00E+00	5.92E-05	1.26E-04	0.00E+00	0.00E+00
12042	501053.9	3733544	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12043	501053.9	3733535	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12044	501053.9	3733525	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12045	501054	3733515	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12046	501054	3733505	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.32E-05	0.00E+00	0.00E+00
12047	501054	3733496	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12048	501054	3733447	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12049	501054	3733437	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12050	501054	3733428	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12051	501054.1	3733418	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12052	501054.1	3733408	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12053	501054.1	3733398	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
12054	501054.1	3733389	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
12055	501054.1	3733379	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
12056	501054.1	3733369	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
12057	501054.1	3733360	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
12058	501054.1	3733340	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
12059	501054.1	3733330	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
12060	501054.2	3733321	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
12061	501054.2	3733311	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
12062	501054.2	3733301	0.000107	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
12063	501054.2	3733291	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
12064	501054.2	3733282	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
12065	501054.2	3733272	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
12066	501054.2	3733262	0.000108	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
12067	501054.2	3733253	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
12068	501054.2	3733243	0.000109	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
12069	501054.2	3733233	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.53E-05	0.00E+00	0.00E+00
12070	501054.3	3733223	0.00011	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
12071	501054.3	3733214	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
12072	501054.3	3733204	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
12073	501090.2	3733553	9.7E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12074	501086.5	3733562	9.77E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12075	501082.7	3733571	9.85E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	1.82E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12076	501079	3733580	9.92E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
12077	501075.3	3733589	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
12078	501071.6	3733598	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12079	501067.8	3733607	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12080	501064.1	3733616	0.000103	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12081	501060.4	3733625	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12082	501056.7	3733634	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
12083	501052.9	3733643	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
12084	501049.2	3733652	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.40E-05	0.00E+00	0.00E+00
12085	501045.5	3733661	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
12086	501041.8	3733670	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.62E-05	3.46E-05	0.00E+00	0.00E+00
12087	501038	3733679	0.000109	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.00E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
12088	501034.3	3733688	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
12089	501030.6	3733697	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.56E-05	0.00E+00	0.00E+00
12090	501026.9	3733706	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.68E-05	3.59E-05	0.00E+00	0.00E+00
12091	500997	3733777	0.00012	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.22E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
12092	500993.3	3733786	0.000121	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.24E-04	0.00E+00	0.00E+00	1.83E-05	3.90E-05	0.00E+00	0.00E+00

12093	500989.6	3733795	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
12094	500985.9	3733804	0.000123	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.27E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
12095	500982.1	3733813	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
12096	500978.4	3733822	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
12097	500974.7	3733831	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
12098	500971	3733840	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.11E-05	0.00E+00	0.00E+00
12099	500967.2	3733849	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.94E-05	4.15E-05	0.00E+00	0.00E+00
12100	500963.5	3733858	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.18E-05	0.00E+00	0.00E+00
12101	500959.8	3733867	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12102	500956.1	3733876	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12103	500952.3	3733885	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.29E-05	0.00E+00	0.00E+00
12104	500948.6	3733894	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.32E-05	0.00E+00	0.00E+00
12105	500944.9	3733903	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
12106	500941.2	3733912	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.41E-05	0.00E+00	0.00E+00
12107	500937.4	3733921	0.000138	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.55E-04	0.00E+00	0.00E+00	2.08E-05	4.45E-05	0.00E+00	0.00E+00
12108	500933.7	3733930	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
12109	500930	3733939	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
12110	500926.2	3733948	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
12111	500922.5	3733957	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.16E-05	4.60E-05	0.00E+00	0.00E+00
12112	500918.8	3733966	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
12113	500915.1	3733975	0.000146	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
12114	500911.3	3733984	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
12115	500907.6	3733993	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
12116	500903.9	3734001	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.80E-05	0.00E+00	0.00E+00
12117	500900.2	3734010	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
12118	500896.4	3734019	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.89E-05	0.00E+00	0.00E+00
12119	500892.7	3734028	0.000153	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
12120	500889	3734037	0.000154	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.33E-05	4.96E-05	0.00E+00	0.00E+00
12121	500885.3	3734046	0.000155	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
12122	500881.5	3734055	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
12123	500877.8	3734064	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
12124	500874.1	3734073	0.000159	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.94E-04	0.00E+00	0.00E+00	2.40E-05	5.11E-05	0.00E+00	0.00E+00
12125	500870.4	3734082	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
12126	500866.6	3734091	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
12127	500862.9	3734100	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.24E-05	0.00E+00	0.00E+00
12128	500859.2	3734109	0.000164	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.03E-04	0.00E+00	0.00E+00	2.48E-05	5.28E-05	0.00E+00	0.00E+00
12129	500855.4	3734118	0.000166	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.32E-05	0.00E+00	0.00E+00
12130	500851.7	3734127	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.35E-05	0.00E+00	0.00E+00
12131	500848	3734136	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.52E-05	5.38E-05	0.00E+00	0.00E+00
12132	500833.1	3734172	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
12133	500820.4	3734184	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
12134	500811.4	3734188	0.00018	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.71E-05	5.77E-05	0.00E+00	0.00E+00
12135	500802.4	3734192	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.88E-05	0.00E+00	0.00E+00
12136	500793.5	3734196	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.98E-05	0.00E+00	0.00E+00
12137	500784.5	3734199	0.000189	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.49E-04	0.00E+00	0.00E+00	2.85E-05	6.08E-05	0.00E+00	0.00E+00
12138	500775.5	3734203	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
12139	500766.5	3734207	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
12140	500757.6	3734210	0.000199	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
12141	500748.6	3734214	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.52E-05	0.00E+00	0.00E+00
12142	500739.6	3734218	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
12143	500730.6	3734221	0.00021	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	3.87E-04	0.00E+00	0.00E+00	3.16E-05	6.74E-05	0.00E+00	0.00E+00
12144	500721.7	3734225	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00
12145	500712.7	3734229	0.000217	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.00E-04	0.00E+00	0.00E+00	3.27E-05	6.97E-05	0.00E+00	0.00E+00
12146	500703.7	3734233	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.09E-05	0.00E+00	0.00E+00
12147	500694.7	3734236	0.000224	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	4.13E-04	0.00E+00	0.00E+00	3.38E-05	7.20E-05	0.00E+00	0.00E+00
12148	500685.8	3734240	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
12149	500676.8	3734244	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
12150	500667.8	3734247	0.000236	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
12151	500658.8	3734251	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.69E-05	0.00E+00	0.00E+00
12152	500649.9	3734255	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
12153	500640.9	3734258	0.000247	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.55E-04	0.00E+00	0.00E+00	3.72E-05	7.93E-05	0.00E+00	0.00E+00
12154	500631.9	3734262	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.05E-05	0.00E+00	0.00E+00
12155	500622.9	3734266	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.18E-05	0.00E+00	0.00E+00
12156	500614	3734270	0.000258	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.76E-04	0.00E+00	0.00E+00	3.89E-05	8.30E-05	0.00E+00	0.00E+00
12157	500587	3734281	0.00027	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.97E-04	0.00E+00	0.00E+00	4.06E-05	8.66E-05	0.00E+00	0.00E+00
12158	500578.1	3734284	0.000274	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
12159	500569.1	3734288	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
12160	500560.1	3734292	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.03E-05	0.00E+00	0.00E+00
12161	500551.1	3734295	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
12162	500542.2	3734299	0.000289	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.27E-05	0.00E+00	0.00E+00
12163	500533.2	3734303	0.000292	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
12164	500524.2	3734307	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.45E-05	9.50E-05	0.00E+00	0.00E+00
12165	500515.2	3734310	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
12166	500506.3	3734314	0.000303	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.59E-04	0.00E+00	0.00E+00	4.56E-05	9.73E-05	0.00E+00	0.00E+00
12167	500497.3	3734318	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
12168	500488.3	3734321	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.96E-05	0.00E+00	0.00E+00
12169	500479.3	3734325	0.000314	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.78E-04	0.00E+00	0.00E+00	4.72E-05	1.01E-04	0.00E+00	0.00E+00
12170	500470.4	3734329	0.000317	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	5.85E-04	0.00E+00	0.00E+00	4.78E-05	1.02E-04	0.00E+00	0.00E+00
12171	500461.4	3734332	0.000321	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	5.91E-04	0.00E+00	0.00E+00	4.83E-05	1.03E-04	0.00E+00	0.00E+00
12172	500452.4	3734336	0.000324	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	5.97E-04	0.00E+00	0.00E+00	4.88E-05	1.04E-04	0.00E+00	0.00E+00
12173	500443.4	3734340	0.000327	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.03E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
12174	500434.5	3734344	0.000331	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	6.10E-04	0.00E+00	0.00E+00	4.98E-05	1.06E-04	0.00E+00	0.00E+00
12175	500425.5	3734347	0.000334	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.16E-04	0.00E+00	0.00E+00	5.03E-05	1.07E-04	0.00E+00	0.00E+00
12176	500416.5	3734351	0.000338	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	6.22E-04	0.00E+00	0.00E+00	5.08E-05	1.08E-04	0.00E+00	0.00E+00
12177	500407.5	3734355	0.000341	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.28E-04	0.00E+00	0.00E+00	5.13E-05	1.09E-04	0.00E+00	0.00E+00
12178	500398.6	3734358	0.000344	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	6.34E-04	0.00E+00	0.00E+00	5.18E-05	1.10E-04	0.00E+00	0.00E+00
12179	501093.9	3733544	9.63E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12180	501093.9	3733535	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12181	501093.9	3733525	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12182	501094	3733515	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12183	501094	3733505	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12184	501094	3733467	9.61E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12185	501094	3733457	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12186	501094	3733447	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12187	501094	3733437	9.63E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12188	501094	3733428	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12189	501094.1	3733418	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12190	501094.1	3733408	9.68E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12191	501094.1	3733398	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12192	501094.1	3733389	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12193	501094.1	3733379	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12194	501094.1	3733369	9.77E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12195	501094.1	3733360	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12196	501094.1	3733340	9.84E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12197	501094.1	3733330	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12198	501094.2	3733321	9.9E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
12199	501094.2	3733311	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
12200	501094.2	3733301	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12201	501094.2	3733282	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12202	501094.2	3733272	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
12203	501094.2	3733262	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12204	501094.2	3733253	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00

12205	501094.2	3733243	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
12206	501094.3	3733223	0.000103	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.55E-05	3.30E-05	0.00E+00	0.00E+00
12207	501094.3	3733214	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.32E-05	0.00E+00	0.00E+00
12208	501094.3	3733204	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12209	501125.9	3733553	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12210	501122.2	3733562	9.21E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12211	501118.5	3733571	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
12212	501114.8	3733580	9.35E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
12213	501111.1	3733589	9.42E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.02E-05	0.00E+00	0.00E+00
12214	501107.3	3733598	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
12215	501103.6	3733607	9.56E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
12216	501099.9	3733616	9.64E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
12217	501096.2	3733625	9.71E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12218	501092.5	3733634	9.79E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12219	501088.8	3733643	9.87E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12220	501085	3733652	9.95E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12221	501081.3	3733661	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12222	501077.6	3733670	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
12223	501073.9	3733678	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
12224	501070.2	3733687	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12225	501066.4	3733696	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12226	501062.7	3733705	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.36E-05	0.00E+00	0.00E+00
12227	501059	3733714	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
12228	501055.3	3733723	0.000107	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
12229	501051.6	3733732	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
12230	500995.8	3733866	0.000122	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.26E-04	0.00E+00	0.00E+00	1.84E-05	3.93E-05	0.00E+00	0.00E+00
12231	500992.1	3733875	0.000123	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	2.28E-04	0.00E+00	0.00E+00	1.86E-05	3.96E-05	0.00E+00	0.00E+00
12232	500988.4	3733884	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	4.00E-05	0.00E+00	0.00E+00
12233	500984.7	3733893	0.000126	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.03E-05	0.00E+00	0.00E+00
12234	500981	3733902	0.000127	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
12235	500977.2	3733911	0.000128	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
12236	500973.5	3733920	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
12237	500969.8	3733929	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.17E-05	0.00E+00	0.00E+00
12238	500966.1	3733938	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.20E-05	0.00E+00	0.00E+00
12239	500962.4	3733947	0.000132	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.43E-04	0.00E+00	0.00E+00	1.99E-05	4.24E-05	0.00E+00	0.00E+00
12240	500958.7	3733956	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
12241	500954.9	3733965	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
12242	500951.2	3733974	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
12243	500947.5	3733983	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.38E-05	0.00E+00	0.00E+00
12244	500943.8	3733991	0.000138	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.53E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
12245	500940.1	3734000	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
12246	500936.4	3734009	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
12247	500932.6	3734018	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
12248	500928.9	3734027	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
12249	500925.2	3734036	0.000143	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.64E-04	0.00E+00	0.00E+00	2.15E-05	4.60E-05	0.00E+00	0.00E+00
12250	500921.5	3734045	0.000144	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.66E-04	0.00E+00	0.00E+00	2.17E-05	4.63E-05	0.00E+00	0.00E+00
12251	500917.8	3734054	0.000145	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.67E-05	0.00E+00	0.00E+00
12252	500914.1	3734063	0.000146	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.70E-05	0.00E+00	0.00E+00
12253	500910.3	3734072	0.000148	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
12254	500906.6	3734081	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
12255	500902.9	3734090	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
12256	500899.2	3734099	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
12257	500895.5	3734108	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
12258	500891.8	3734117	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
12259	500888	3734126	0.000154	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
12260	500884.3	3734135	0.000155	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
12261	500869.4	3734170	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.13E-05	0.00E+00	0.00E+00
12262	500865.7	3734179	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.42E-05	5.17E-05	0.00E+00	0.00E+00
12263	500862	3734188	0.000162	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.98E-04	0.00E+00	0.00E+00	2.44E-05	5.20E-05	0.00E+00	0.00E+00
12264	500858.3	3734197	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.45E-05	5.24E-05	0.00E+00	0.00E+00
12265	500845.6	3734210	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.52E-05	5.37E-05	0.00E+00	0.00E+00
12266	500836.7	3734213	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.56E-05	5.47E-05	0.00E+00	0.00E+00
12267	500827.7	3734217	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.57E-05	0.00E+00	0.00E+00
12268	500818.8	3734221	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.65E-05	5.66E-05	0.00E+00	0.00E+00
12269	500809.8	3734224	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.70E-05	5.76E-05	0.00E+00	0.00E+00
12270	500800.9	3734228	0.000182	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	3.36E-04	0.00E+00	0.00E+00	2.74E-05	5.85E-05	0.00E+00	0.00E+00
12271	500791.9	3734232	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
12272	500783	3734236	0.000189	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
12273	500774	3734239	0.000192	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	3.53E-04	0.00E+00	0.00E+00	2.89E-05	6.16E-05	0.00E+00	0.00E+00
12274	500765.1	3734243	0.000195	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.59E-04	0.00E+00	0.00E+00	2.93E-05	6.26E-05	0.00E+00	0.00E+00
12275	500756.1	3734247	0.000198	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.65E-04	0.00E+00	0.00E+00	2.98E-05	6.36E-05	0.00E+00	0.00E+00
12276	500747.1	3734250	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
12277	500738.2	3734254	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
12278	500729.2	3734258	0.000208	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.83E-04	0.00E+00	0.00E+00	3.13E-05	6.68E-05	0.00E+00	0.00E+00
12279	500720.3	3734261	0.000211	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.90E-04	0.00E+00	0.00E+00	3.18E-05	6.79E-05	0.00E+00	0.00E+00
12280	500711.3	3734265	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
12281	500702.4	3734269	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
12282	500693.4	3734272	0.000222	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.08E-04	0.00E+00	0.00E+00	3.34E-05	7.12E-05	0.00E+00	0.00E+00
12283	500684.5	3734276	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
12284	500675.5	3734280	0.000229	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.34E-05	0.00E+00	0.00E+00
12285	500666.6	3734284	0.000232	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.28E-04	0.00E+00	0.00E+00	3.49E-05	7.45E-05	0.00E+00	0.00E+00
12286	500657.6	3734287	0.000236	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	4.34E-04	0.00E+00	0.00E+00	3.55E-05	7.56E-05	0.00E+00	0.00E+00
12287	500648.7	3734291	0.000239	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	4.41E-04	0.00E+00	0.00E+00	3.60E-05	7.68E-05	0.00E+00	0.00E+00
12288	500639.7	3734295	0.000243	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.47E-04	0.00E+00	0.00E+00	3.65E-05	7.79E-05	0.00E+00	0.00E+00
12289	500630.8	3734298	0.000246	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.91E-05	0.00E+00	0.00E+00
12290	500621.8	3734302	0.00025	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.60E-04	0.00E+00	0.00E+00	3.76E-05	8.02E-05	0.00E+00	0.00E+00
12291	500612.9	3734306	0.000253	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.67E-04	0.00E+00	0.00E+00	3.81E-05	8.14E-05	0.00E+00	0.00E+00
12292	500586	3734317	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
12293	500577	3734320	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
12294	500568.1	3734324	0.000271	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	4.99E-04	0.00E+00	0.00E+00	4.08E-05	8.69E-05	0.00E+00	0.00E+00
12295	500559.1	3734328	0.000274	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.05E-04	0.00E+00	0.00E+00	4.13E-05	8.80E-05	0.00E+00	0.00E+00
12296	500550.2	3734332	0.000278	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.12E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
12297	500541.2	3734335	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.02E-05	0.00E+00	0.00E+00
12298	500532.3	3734339	0.000284	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.24E-04	0.00E+00	0.00E+00	4.28E-05	9.13E-05	0.00E+00	0.00E+00
12299	500523.3	3734343	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
12300	500514.4	3734346	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
12301	500505.4	3734350	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.45E-05	0.00E+00	0.00E+00
12302	500496.5	3734354	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.48E-05	9.55E-05	0.00E+00	0.00E+00
12303	500487.5	3734357	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
12304	500478.6	3734361	0.000304	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
12305	500469.6	3734365	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.62E-05	9.85E-05	0.00E+00	0.00E+00
12306	500460.7	3734368	0.00031	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.71E-04	0.00E+00	0.00E+00	4.67E-05	9.95E-05	0.00E+00	0.00E+00
12307	500451.7	3734372	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
12308	500442.8	3734376	0.000316	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.82E-04	0.00E+00	0.00E+00	4.76E-05	1.01E-04	0.00E+00	0.00E+00
12309	500433.8	3734379	0.000319	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	5.88E-04	0.00E+00	0.00E+00	4.80E-05	1.02E-04	0.00E+00	0.00E+00
12310	500424.8	3734383	0.000322	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	5.93E-04	0.00E+00	0.00E+00	4.84E-05	1.03E-04	0.00E+00	0.00E+00
12311	500415.9	3734387	0.000325	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.98E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
12312	500406.9	3734391	0.000328	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	6.05E-04	0.00E+00	0.00E+00	4.94E-05	1.05E-04	0.00E+00	0.00E+00
12313	501129.6	3733544	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12314	501129.6	3733535	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12315	501129.7	3733525	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12316	501129.7	3733476	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00

12317	501129.7	3733467	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12318	501129.7	3733457	9.06E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12319	501129.7	3733447	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12320	501129.7	3733437	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.91E-05	0.00E+00	0.00E+00
12321	501129.8	3733428	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12322	501129.8	3733418	9.09E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12323	501129.8	3733408	9.11E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12324	501129.8	3733399	9.12E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
12325	501129.8	3733389	9.13E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	1.68E-04	0.00E+00	0.00E+00	1.38E-05	2.93E-05	0.00E+00	0.00E+00
12326	501129.8	3733379	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12327	501129.8	3733369	9.17E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12328	501129.8	3733360	9.2E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.95E-05	0.00E+00	0.00E+00
12329	501129.8	3733340	9.28E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
12330	501129.9	3733330	9.31E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12331	501129.9	3733321	9.34E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
12332	501129.9	3733311	9.36E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12333	501129.9	3733301	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
12334	501129.9	3733282	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
12335	501129.9	3733272	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
12336	501129.9	3733262	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12337	501129.9	3733253	9.57E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
12338	501129.9	3733243	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
12339	501130	3733223	9.69E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12340	501130	3733214	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.46E-05	3.12E-05	0.00E+00	0.00E+00
12341	501161.6	3733553	8.63E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12342	501157.9	3733562	8.68E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
12343	501154.2	3733571	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
12344	501150.5	3733580	8.8E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
12345	501146.8	3733589	8.87E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
12346	501143.1	3733598	8.95E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
12347	501139.4	3733607	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
12348	501135.7	3733616	9.09E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12349	501132	3733625	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12350	501128.3	3733634	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12351	501124.6	3733643	9.3E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12352	501120.9	3733651	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12353	501117.1	3733660	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
12354	501113.4	3733669	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12355	501109.7	3733678	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
12356	501106	3733687	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12357	501102.3	3733696	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.14E-05	0.00E+00	0.00E+00
12358	501098.6	3733705	9.84E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12359	501094.9	3733714	9.93E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.19E-05	0.00E+00	0.00E+00
12360	501091.2	3733723	0.0001	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.84E-04	0.00E+00	0.00E+00	1.51E-05	3.21E-05	0.00E+00	0.00E+00
12361	501087.5	3733732	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12362	500994.8	3733955	0.000124	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	2.29E-04	0.00E+00	0.00E+00	1.87E-05	3.99E-05	0.00E+00	0.00E+00
12363	500991.1	3733964	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
12364	500987.3	3733973	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12365	500983.6	3733982	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
12366	500979.9	3733990	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
12367	500976.2	3733999	0.000129	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.38E-04	0.00E+00	0.00E+00	1.95E-05	4.15E-05	0.00E+00	0.00E+00
12368	500972.5	3734008	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12369	500968.8	3734017	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12370	500965.1	3734026	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12371	500961.4	3734035	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
12372	500957.7	3734044	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.32E-05	0.00E+00	0.00E+00
12373	500954	3734053	0.000135	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.50E-04	0.00E+00	0.00E+00	2.04E-05	4.35E-05	0.00E+00	0.00E+00
12374	500950.3	3734062	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.38E-05	0.00E+00	0.00E+00
12375	500946.5	3734071	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.07E-05	4.42E-05	0.00E+00	0.00E+00
12376	500942.8	3734080	0.000139	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.55E-04	0.00E+00	0.00E+00	2.09E-05	4.45E-05	0.00E+00	0.00E+00
12377	500939.1	3734089	0.00014	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.48E-05	0.00E+00	0.00E+00
12378	500935.4	3734098	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
12379	500931.7	3734106	0.000142	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.55E-05	0.00E+00	0.00E+00
12380	500928	3734115	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.58E-05	0.00E+00	0.00E+00
12381	500924.3	3734124	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.62E-05	0.00E+00	0.00E+00
12382	500920.6	3734133	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
12383	500905.8	3734169	0.000149	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.74E-04	0.00E+00	0.00E+00	2.24E-05	4.78E-05	0.00E+00	0.00E+00
12384	500902	3734178	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.82E-05	0.00E+00	0.00E+00
12385	500898.3	3734187	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.85E-05	0.00E+00	0.00E+00
12386	500894.6	3734196	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
12387	500890.9	3734205	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
12388	500887.2	3734213	0.000154	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.84E-04	0.00E+00	0.00E+00	2.32E-05	4.94E-05	0.00E+00	0.00E+00
12389	500883.5	3734222	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.97E-05	0.00E+00	0.00E+00
12390	500870.9	3734235	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.39E-05	5.09E-05	0.00E+00	0.00E+00
12391	500861.9	3734239	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.17E-05	0.00E+00	0.00E+00
12392	500853	3734242	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.47E-05	5.26E-05	0.00E+00	0.00E+00
12393	500844.1	3734246	0.000167	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.07E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
12394	500835.1	3734250	0.00017	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.13E-04	0.00E+00	0.00E+00	2.55E-05	5.45E-05	0.00E+00	0.00E+00
12395	500826.2	3734253	0.000172	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.18E-04	0.00E+00	0.00E+00	2.60E-05	5.54E-05	0.00E+00	0.00E+00
12396	500817.3	3734257	0.000175	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.23E-04	0.00E+00	0.00E+00	2.64E-05	5.62E-05	0.00E+00	0.00E+00
12397	500808.3	3734261	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.71E-05	0.00E+00	0.00E+00
12398	500799.4	3734264	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.81E-05	0.00E+00	0.00E+00
12399	500790.5	3734268	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.91E-05	0.00E+00	0.00E+00
12400	500781.5	3734272	0.000187	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.45E-04	0.00E+00	0.00E+00	2.82E-05	6.01E-05	0.00E+00	0.00E+00
12401	500772.6	3734276	0.00019	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.50E-04	0.00E+00	0.00E+00	2.86E-05	6.11E-05	0.00E+00	0.00E+00
12402	500763.7	3734279	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.20E-05	0.00E+00	0.00E+00
12403	500754.7	3734283	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.30E-05	0.00E+00	0.00E+00
12404	500745.8	3734287	0.000199	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.68E-04	0.00E+00	0.00E+00	3.00E-05	6.41E-05	0.00E+00	0.00E+00
12405	500736.9	3734290	0.000203	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.74E-04	0.00E+00	0.00E+00	3.05E-05	6.51E-05	0.00E+00	0.00E+00
12406	500727.9	3734294	0.000206	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
12407	500719	3734298	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
12408	500710.1	3734301	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
12409	500701.1	3734305	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
12410	500692.2	3734309	0.000219	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	4.03E-04	0.00E+00	0.00E+00	3.29E-05	7.02E-05	0.00E+00	0.00E+00
12411	500683.3	3734312	0.000222	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	4.09E-04	0.00E+00	0.00E+00	3.34E-05	7.13E-05	0.00E+00	0.00E+00
12412	500674.4	3734316	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.23E-05	0.00E+00	0.00E+00
12413	500665.4	3734320	0.000228	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.21E-04	0.00E+00	0.00E+00	3.44E-05	7.33E-05	0.00E+00	0.00E+00
12414	500656.5	3734323	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
12415	500647.6	3734327	0.000235	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	4.33E-04	0.00E+00	0.00E+00	3.54E-05	7.54E-05	0.00E+00	0.00E+00
12416	500638.6	3734331	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
12417	500629.7	3734334	0.000241	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.45E-04	0.00E+00	0.00E+00	3.63E-05	7.75E-05	0.00E+00	0.00E+00
12418	500620.8	3734338	0.000245	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	4.51E-04	0.00E+00	0.00E+00	3.68E-05	7.86E-05	0.00E+00	0.00E+00
12419	500611.8	3734342	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.73E-05	7.96E-05	0.00E+00	0.00E+00
12420	500585	3734353	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
12421	500576.1	3734357	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.38E-05	0.00E+00	0.00E+00
12422	500567.2	3734360	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.48E-05	0.00E+00	0.00E+00
12423	500558.2	3734364	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.02E-05	8.58E-05	0.00E+00	0.00E+00
12424	500549.3	3734368	0.00027	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.98E-04	0.00E+00	0.00E+00	4.07E-05	8.68E-05	0.00E+00	0.00E+00
12425	500540.4	3734371	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
12426	500531.4	3734375	0.000277	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.10E-04	0.00E+00	0.00E+00	4.16E-05	8.88E-05	0.00E+00	0.00E+00
12427	500522.5	3734379	0.00028	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
12428	500513.6	3734382	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00

12429	500504.6	3734386	0.000285	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.26E-04	0.00E+00	0.00E+00	4.30E-05	9.17E-05	0.00E+00	0.00E+00
12430	500495.7	3734390	0.000288	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.32E-04	0.00E+00	0.00E+00	4.34E-05	9.26E-05	0.00E+00	0.00E+00
12431	500486.8	3734393	0.000291	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.37E-04	0.00E+00	0.00E+00	4.39E-05	9.35E-05	0.00E+00	0.00E+00
12432	500477.8	3734397	0.000294	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	5.42E-04	0.00E+00	0.00E+00	4.43E-05	9.44E-05	0.00E+00	0.00E+00
12433	500468.9	3734401	0.000297	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.47E-04	0.00E+00	0.00E+00	4.47E-05	9.53E-05	0.00E+00	0.00E+00
12434	500460	3734404	0.0003	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
12435	500451	3734408	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
12436	500442.1	3734412	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
12437	500433.2	3734415	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.63E-05	9.88E-05	0.00E+00	0.00E+00
12438	500424.2	3734419	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
12439	500415.3	3734423	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
12440	500406.4	3734426	0.000316	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	5.83E-04	0.00E+00	0.00E+00	4.76E-05	1.02E-04	0.00E+00	0.00E+00
12441	501165.4	3733544	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12442	501165.4	3733496	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12443	501165.4	3733486	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12444	501165.4	3733476	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12445	501165.4	3733467	8.56E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12446	501165.4	3733457	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12447	501165.5	3733447	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12448	501165.5	3733437	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12449	501165.5	3733428	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12450	501165.5	3733418	8.6E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12451	501165.5	3733408	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.76E-05	0.00E+00	0.00E+00
12452	501165.5	3733399	8.62E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12453	501165.5	3733389	8.64E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12454	501165.5	3733379	8.65E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
12455	501165.5	3733369	8.67E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.78E-05	0.00E+00	0.00E+00
12456	501165.5	3733360	8.69E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
12457	501165.6	3733340	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12458	501165.6	3733330	8.75E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
12459	501165.6	3733321	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12460	501165.6	3733311	8.8E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
12461	501165.6	3733301	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
12462	501165.6	3733282	8.89E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
12463	501165.6	3733272	8.93E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	1.65E-04	0.00E+00	0.00E+00	1.34E-05	2.87E-05	0.00E+00	0.00E+00
12464	501165.6	3733262	8.97E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
12465	501165.7	3733253	9.02E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
12466	501165.7	3733243	9.07E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12467	501165.7	3733214	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
12468	501165.7	3733204	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12469	501197.4	3733553	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.61E-05	0.00E+00	0.00E+00
12470	501193.7	3733562	8.2E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
12471	501190	3733571	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
12472	501186.3	3733580	8.31E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
12473	501182.6	3733589	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
12474	501178.9	3733598	8.44E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
12475	501175.2	3733607	8.5E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
12476	501171.5	3733616	8.57E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.75E-05	0.00E+00	0.00E+00
12477	501167.8	3733625	8.64E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12478	501164.1	3733633	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12479	501160.4	3733642	8.77E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12480	501156.7	3733651	8.83E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
12481	501153	3733660	8.89E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
12482	501149.3	3733669	8.96E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
12483	501145.6	3733678	9.04E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
12484	501141.9	3733687	9.11E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
12485	501138.2	3733696	9.19E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
12486	501134.5	3733705	9.27E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
12487	501130.8	3733714	9.35E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.00E-05	0.00E+00	0.00E+00
12488	501127.1	3733722	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
12489	501123.4	3733731	9.5E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
12490	501108.6	3733767	9.82E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
12491	501104.8	3733776	9.9E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
12492	501101.1	3733785	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
12493	501097.4	3733794	0.000101	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.52E-05	3.23E-05	0.00E+00	0.00E+00
12494	501093.7	3733803	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12495	501090	3733812	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12496	501086.3	3733820	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12497	501082.6	3733829	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.56E-05	3.34E-05	0.00E+00	0.00E+00
12498	501027.1	3733963	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
12499	501023.4	3733972	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.79E-05	0.00E+00	0.00E+00
12500	501019.7	3733981	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.82E-05	0.00E+00	0.00E+00
12501	500993.8	3734043	0.000125	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	2.31E-04	0.00E+00	0.00E+00	1.89E-05	4.02E-05	0.00E+00	0.00E+00
12502	500990.1	3734052	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.06E-05	0.00E+00	0.00E+00
12503	500986.4	3734061	0.000127	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.09E-05	0.00E+00	0.00E+00
12504	500982.7	3734070	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.12E-05	0.00E+00	0.00E+00
12505	500979	3734079	0.000129	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
12506	500975.3	3734087	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12507	500971.6	3734096	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12508	500967.9	3734105	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12509	500964.2	3734114	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
12510	500960.5	3734123	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
12511	500956.8	3734132	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.34E-05	0.00E+00	0.00E+00
12512	500953.1	3734141	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
12513	500938.3	3734177	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.11E-05	4.50E-05	0.00E+00	0.00E+00
12514	500934.6	3734185	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.53E-05	0.00E+00	0.00E+00
12515	500930.9	3734194	0.000142	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.62E-04	0.00E+00	0.00E+00	2.14E-05	4.56E-05	0.00E+00	0.00E+00
12516	500927.2	3734203	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
12517	500923.5	3734212	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.62E-05	0.00E+00	0.00E+00
12518	500919.8	3734221	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.65E-05	0.00E+00	0.00E+00
12519	500916.1	3734230	0.000146	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.68E-04	0.00E+00	0.00E+00	2.19E-05	4.68E-05	0.00E+00	0.00E+00
12520	500912.4	3734239	0.000147	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.70E-04	0.00E+00	0.00E+00	2.21E-05	4.71E-05	0.00E+00	0.00E+00
12521	500908.7	3734248	0.000147	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.72E-04	0.00E+00	0.00E+00	2.22E-05	4.74E-05	0.00E+00	0.00E+00
12522	500896.1	3734260	0.000151	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.78E-04	0.00E+00	0.00E+00	2.27E-05	4.84E-05	0.00E+00	0.00E+00
12523	500887.2	3734264	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.31E-05	4.92E-05	0.00E+00	0.00E+00
12524	500878.3	3734268	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
12525	500869.4	3734271	0.000158	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.92E-04	0.00E+00	0.00E+00	2.38E-05	5.08E-05	0.00E+00	0.00E+00
12526	500860.4	3734275	0.000161	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.96E-04	0.00E+00	0.00E+00	2.42E-05	5.16E-05	0.00E+00	0.00E+00
12527	500851.5	3734279	0.000163	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.01E-04	0.00E+00	0.00E+00	2.46E-05	5.25E-05	0.00E+00	0.00E+00
12528	500842.6	3734282	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
12529	500833.7	3734286	0.000169	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.11E-04	0.00E+00	0.00E+00	2.54E-05	5.42E-05	0.00E+00	0.00E+00
12530	500824.8	3734290	0.000171	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.50E-05	0.00E+00	0.00E+00
12531	500815.9	3734293	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
12532	500807	3734297	0.000177	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.26E-04	0.00E+00	0.00E+00	2.66E-05	5.68E-05	0.00E+00	0.00E+00
12533	500798.1	3734301	0.00018	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.31E-04	0.00E+00	0.00E+00	2.71E-05	5.77E-05	0.00E+00	0.00E+00
12534	500789.1	3734304	0.000183	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.36E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
12535	500780.2	3734308	0.000185	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.42E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
12536	500771.3	3734312	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.05E-05	0.00E+00	0.00E+00
12537	500762.4	3734315	0.000191	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.53E-04	0.00E+00	0.00E+00	2.88E-05	6.14E-05	0.00E+00	0.00E+00
12538	500753.5	3734319	0.000194	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.58E-04	0.00E+00	0.00E+00	2.93E-05	6.24E-05	0.00E+00	0.00E+00
12539	500744.6	3734323	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
12540	500735.7	3734326	0.0002	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.69E-04	0.00E+00	0.00E+00	3.02E-05	6.44E-05	0.00E+00	0.00E+00

12541	500726.7	3734330	0.000203	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
12542	500717.8	3734334	0.000206	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.80E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
12543	500708.9	3734337	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
12544	500700	3734341	0.000212	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.92E-04	0.00E+00	0.00E+00	3.20E-05	6.82E-05	0.00E+00	0.00E+00
12545	500691.1	3734345	0.000215	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.97E-04	0.00E+00	0.00E+00	3.24E-05	6.92E-05	0.00E+00	0.00E+00
12546	500628.7	3734371	0.000237	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	4.36E-04	0.00E+00	0.00E+00	3.56E-05	7.60E-05	0.00E+00	0.00E+00
12547	500584.1	3734389	0.000252	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	4.64E-04	0.00E+00	0.00E+00	3.79E-05	8.08E-05	0.00E+00	0.00E+00
12548	500575.2	3734393	0.000255	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
12549	500566.3	3734396	0.000257	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
12550	500557.4	3734400	0.00026	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	4.80E-04	0.00E+00	0.00E+00	3.92E-05	8.36E-05	0.00E+00	0.00E+00
12551	500548.5	3734404	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
12552	500539.6	3734407	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.01E-05	8.54E-05	0.00E+00	0.00E+00
12553	500530.6	3734411	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
12554	500521.7	3734415	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.72E-05	0.00E+00	0.00E+00
12555	500512.8	3734418	0.000274	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.06E-04	0.00E+00	0.00E+00	4.13E-05	8.81E-05	0.00E+00	0.00E+00
12556	500503.9	3734422	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
12557	500495	3734426	0.00028	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
12558	500486.1	3734429	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.25E-05	9.06E-05	0.00E+00	0.00E+00
12559	500477.2	3734433	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
12560	500468.3	3734437	0.000287	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.23E-05	0.00E+00	0.00E+00
12561	500459.3	3734440	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.36E-05	9.31E-05	0.00E+00	0.00E+00
12562	500450.4	3734444	0.000292	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.39E-04	0.00E+00	0.00E+00	4.40E-05	9.39E-05	0.00E+00	0.00E+00
12563	500441.5	3734448	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.46E-05	0.00E+00	0.00E+00
12564	500432.6	3734451	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
12565	500423.7	3734455	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
12566	500414.8	3734459	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
12567	500405.9	3734462	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.79E-05	0.00E+00	0.00E+00
12568	501201.1	3733515	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12569	501201.1	3733506	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12570	501201.1	3733496	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12571	501201.1	3733486	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12572	501201.1	3733476	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12573	501201.1	3733467	8.1E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12574	501201.2	3733457	8.1E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12575	501201.2	3733447	8.11E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12576	501201.2	3733437	8.12E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
12577	501201.2	3733428	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
12578	501201.2	3733418	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12579	501201.2	3733408	8.16E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12580	501201.2	3733399	8.17E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12581	501201.2	3733389	8.18E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
12582	501201.2	3733379	8.2E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
12583	501201.2	3733369	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
12584	501201.3	3733360	8.23E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
12585	501201.3	3733340	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
12586	501201.3	3733331	8.29E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
12587	501201.3	3733321	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
12588	501201.3	3733311	8.34E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.68E-05	0.00E+00	0.00E+00
12589	501201.3	3733301	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
12590	501201.3	3733292	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
12591	501201.3	3733282	8.42E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.70E-05	0.00E+00	0.00E+00
12592	501201.3	3733272	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
12593	501201.4	3733262	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
12594	501201.4	3733253	8.51E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.73E-05	0.00E+00	0.00E+00
12595	501201.4	3733243	8.55E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
12596	501201.4	3733233	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12597	501201.4	3733224	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
12598	501225.7	3733571	7.82E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
12599	501222	3733580	7.87E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
12600	501218.3	3733589	7.92E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.55E-05	0.00E+00	0.00E+00
12601	501214.6	3733598	7.98E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
12602	501210.9	3733607	8.04E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
12603	501207.2	3733616	8.09E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.60E-05	0.00E+00	0.00E+00
12604	501203.5	3733624	8.15E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.62E-05	0.00E+00	0.00E+00
12605	501199.8	3733633	8.21E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.64E-05	0.00E+00	0.00E+00
12606	501196.2	3733642	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.25E-05	2.66E-05	0.00E+00	0.00E+00
12607	501192.5	3733651	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
12608	501188.8	3733660	8.4E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
12609	501185.1	3733669	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
12610	501181.4	3733678	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
12611	501177.7	3733687	8.59E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12612	501174	3733696	8.66E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	1.60E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
12613	501170.3	3733704	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12614	501166.6	3733713	8.79E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12615	501162.9	3733722	8.86E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
12616	501159.2	3733731	8.94E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
12617	501155.5	3733740	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
12618	501144.4	3733767	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
12619	501140.8	3733775	9.3E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12620	501137.1	3733784	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12621	501133.4	3733793	9.45E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
12622	501129.7	3733802	9.52E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12623	501126	3733811	9.6E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.08E-05	0.00E+00	0.00E+00
12624	501122.3	3733820	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
12625	501118.6	3733829	9.76E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12626	501114.9	3733838	9.83E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.16E-05	0.00E+00	0.00E+00
12627	501111.2	3733847	9.91E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	1.83E-04	0.00E+00	0.00E+00	1.49E-05	3.18E-05	0.00E+00	0.00E+00
12628	501107.5	3733855	9.98E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.21E-05	0.00E+00	0.00E+00
12629	501103.8	3733864	0.000101	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.23E-05	0.00E+00	0.00E+00
12630	501100.1	3733873	0.000101	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12631	501096.4	3733882	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.54E-05	3.28E-05	0.00E+00	0.00E+00
12632	501092.7	3733891	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12633	501089	3733900	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
12634	501085.4	3733909	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
12635	501081.7	3733918	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
12636	501063.2	3733962	0.000109	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
12637	501059.5	3733971	0.00011	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.03E-04	0.00E+00	0.00E+00	1.66E-05	3.54E-05	0.00E+00	0.00E+00
12638	501055.8	3733980	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
12639	501052.1	3733989	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
12640	501048.4	3733998	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
12641	501044.7	3734006	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
12642	501041	3734015	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
12643	501037.3	3734024	0.000115	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
12644	501033.6	3734033	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
12645	501030	3734042	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
12646	501026.3	3734051	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.78E-05	3.79E-05	0.00E+00	0.00E+00
12647	501022.6	3734060	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
12648	501018.9	3734069	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.80E-05	3.84E-05	0.00E+00	0.00E+00
12649	500993	3734131	0.000126	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.32E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12650	500989.3	3734140	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.07E-05	0.00E+00	0.00E+00
12651	500974.5	3734175	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12652	500970.9	3734184	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00

12653	500967.2	3734193	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12654	500963.5	3734202	0.000133	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.46E-04	0.00E+00	0.00E+00	2.01E-05	4.28E-05	0.00E+00	0.00E+00
12655	500959.8	3734211	0.000134	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.48E-04	0.00E+00	0.00E+00	2.02E-05	4.31E-05	0.00E+00	0.00E+00
12656	500956.1	3734220	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.04E-05	4.34E-05	0.00E+00	0.00E+00
12657	500952.4	3734229	0.000136	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	2.51E-04	0.00E+00	0.00E+00	2.05E-05	4.37E-05	0.00E+00	0.00E+00
12658	500948.7	3734237	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
12659	500945	3734246	0.000138	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	2.54E-04	0.00E+00	0.00E+00	2.08E-05	4.43E-05	0.00E+00	0.00E+00
12660	500941.3	3734255	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
12661	500937.6	3734264	0.00014	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	2.58E-04	0.00E+00	0.00E+00	2.10E-05	4.49E-05	0.00E+00	0.00E+00
12662	500933.9	3734273	0.000141	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.59E-04	0.00E+00	0.00E+00	2.12E-05	4.51E-05	0.00E+00	0.00E+00
12663	500921.3	3734286	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
12664	500912.4	3734289	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.69E-05	0.00E+00	0.00E+00
12665	500903.5	3734293	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.76E-05	0.00E+00	0.00E+00
12666	500894.6	3734297	0.000151	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.77E-04	0.00E+00	0.00E+00	2.27E-05	4.83E-05	0.00E+00	0.00E+00
12667	500885.7	3734300	0.000153	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.82E-04	0.00E+00	0.00E+00	2.30E-05	4.91E-05	0.00E+00	0.00E+00
12668	500876.9	3734304	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.34E-05	4.99E-05	0.00E+00	0.00E+00
12669	500868	3734308	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
12670	500859.1	3734311	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.15E-05	0.00E+00	0.00E+00
12671	500850.2	3734315	0.000163	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	3.00E-04	0.00E+00	0.00E+00	2.45E-05	5.23E-05	0.00E+00	0.00E+00
12672	500841.3	3734319	0.000165	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.05E-04	0.00E+00	0.00E+00	2.49E-05	5.31E-05	0.00E+00	0.00E+00
12673	500832.4	3734322	0.000168	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.09E-04	0.00E+00	0.00E+00	2.53E-05	5.39E-05	0.00E+00	0.00E+00
12674	500823.5	3734326	0.00017	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	3.14E-04	0.00E+00	0.00E+00	2.57E-05	5.47E-05	0.00E+00	0.00E+00
12675	500814.6	3734330	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
12676	500805.7	3734333	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
12677	500796.8	3734337	0.000178	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.29E-04	0.00E+00	0.00E+00	2.69E-05	5.73E-05	0.00E+00	0.00E+00
12678	500787.9	3734341	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.81E-05	0.00E+00	0.00E+00
12679	500779	3734344	0.000184	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	3.39E-04	0.00E+00	0.00E+00	2.77E-05	5.90E-05	0.00E+00	0.00E+00
12680	500716.7	3734370	0.000204	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.75E-04	0.00E+00	0.00E+00	3.07E-05	6.54E-05	0.00E+00	0.00E+00
12681	500707.8	3734374	0.000206	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.63E-05	0.00E+00	0.00E+00
12682	500698.9	3734377	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.72E-05	0.00E+00	0.00E+00
12683	500690	3734381	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
12684	500681.1	3734385	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.24E-05	6.90E-05	0.00E+00	0.00E+00
12685	500672.2	3734388	0.000218	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.01E-04	0.00E+00	0.00E+00	3.28E-05	6.99E-05	0.00E+00	0.00E+00
12686	500663.3	3734392	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
12687	500654.5	3734396	0.000223	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.12E-04	0.00E+00	0.00E+00	3.36E-05	7.17E-05	0.00E+00	0.00E+00
12688	500645.6	3734399	0.000226	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	4.17E-04	0.00E+00	0.00E+00	3.41E-05	7.26E-05	0.00E+00	0.00E+00
12689	500636.7	3734403	0.000229	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	4.22E-04	0.00E+00	0.00E+00	3.45E-05	7.35E-05	0.00E+00	0.00E+00
12690	500627.8	3734407	0.000232	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	4.27E-04	0.00E+00	0.00E+00	3.49E-05	7.44E-05	0.00E+00	0.00E+00
12691	500592.2	3734421	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.80E-05	0.00E+00	0.00E+00
12692	500583.3	3734425	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
12693	500574.4	3734429	0.000248	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
12694	500565.5	3734432	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.78E-05	8.06E-05	0.00E+00	0.00E+00
12695	500556.6	3734436	0.000254	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.67E-04	0.00E+00	0.00E+00	3.82E-05	8.14E-05	0.00E+00	0.00E+00
12696	500547.7	3734440	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.86E-05	8.23E-05	0.00E+00	0.00E+00
12697	500538.8	3734443	0.000259	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.77E-04	0.00E+00	0.00E+00	3.90E-05	8.31E-05	0.00E+00	0.00E+00
12698	500529.9	3734447	0.000261	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.82E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
12699	500521	3734451	0.000264	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.86E-04	0.00E+00	0.00E+00	3.97E-05	8.47E-05	0.00E+00	0.00E+00
12700	500512.1	3734454	0.000266	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.91E-04	0.00E+00	0.00E+00	4.01E-05	8.55E-05	0.00E+00	0.00E+00
12701	500503.2	3734458	0.000269	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.95E-04	0.00E+00	0.00E+00	4.05E-05	8.63E-05	0.00E+00	0.00E+00
12702	500494.3	3734462	0.000271	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	5.00E-04	0.00E+00	0.00E+00	4.08E-05	8.71E-05	0.00E+00	0.00E+00
12703	500485.4	3734465	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
12704	500476.5	3734469	0.000276	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.86E-05	0.00E+00	0.00E+00
12705	500467.6	3734473	0.000278	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	5.13E-04	0.00E+00	0.00E+00	4.19E-05	8.93E-05	0.00E+00	0.00E+00
12706	500458.7	3734476	0.00028	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.01E-05	0.00E+00	0.00E+00
12707	500449.8	3734480	0.000283	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.21E-04	0.00E+00	0.00E+00	4.26E-05	9.08E-05	0.00E+00	0.00E+00
12708	500441	3734484	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
12709	500432.1	3734487	0.000288	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.30E-04	0.00E+00	0.00E+00	4.33E-05	9.24E-05	0.00E+00	0.00E+00
12710	500245.2	3734564	0.000325	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	5.99E-04	0.00E+00	0.00E+00	4.89E-05	1.04E-04	0.00E+00	0.00E+00
12711	500236.3	3734568	0.000326	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	6.01E-04	0.00E+00	0.00E+00	4.91E-05	1.05E-04	0.00E+00	0.00E+00
12712	500227.4	3734572	0.000327	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	6.04E-04	0.00E+00	0.00E+00	4.93E-05	1.05E-04	0.00E+00	0.00E+00
12713	500218.6	3734575	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
12714	501236.8	3733525	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12715	501236.8	3733515	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12716	501236.8	3733506	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12717	501236.8	3733496	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12718	501236.8	3733486	7.65E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12719	501236.9	3733476	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12720	501236.9	3733467	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12721	501236.9	3733457	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12722	501236.9	3733447	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.16E-05	2.46E-05	0.00E+00	0.00E+00
12723	501236.9	3733438	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12724	501236.9	3733428	7.7E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12725	501236.9	3733418	7.71E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12726	501236.9	3733408	7.73E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12727	501236.9	3733399	7.75E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
12728	501236.9	3733389	7.76E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.49E-05	0.00E+00	0.00E+00
12729	501237	3733379	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12730	501237	3733369	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12731	501237	3733360	7.81E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
12732	501237	3733340	7.85E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
12733	501237	3733331	7.87E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.53E-05	0.00E+00	0.00E+00
12734	501237	3733321	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
12735	501237	3733311	7.91E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
12736	501237	3733301	7.94E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
12737	501253.8	3733589	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
12738	501250.1	3733598	7.57E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.43E-05	0.00E+00	0.00E+00
12739	501246.4	3733607	7.62E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
12740	501242.7	3733616	7.68E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12741	501238.9	3733625	7.73E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.43E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12742	501235.2	3733634	7.79E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-05	1.44E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12743	501231.5	3733643	7.84E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	1.45E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
12744	501227.7	3733652	7.9E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	1.46E-04	0.00E+00	0.00E+00	1.19E-05	2.54E-05	0.00E+00	0.00E+00
12745	501224	3733661	7.96E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.56E-05	0.00E+00	0.00E+00
12746	501220.3	3733670	8.02E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.58E-05	0.00E+00	0.00E+00
12747	501216.5	3733679	8.08E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12748	501212.8	3733688	8.14E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-05	1.50E-04	0.00E+00	0.00E+00	1.23E-05	2.61E-05	0.00E+00	0.00E+00
12749	501209.1	3733697	8.2E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	1.51E-04	0.00E+00	0.00E+00	1.24E-05	2.63E-05	0.00E+00	0.00E+00
12750	501205.4	3733706	8.27E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.66E-05	0.00E+00	0.00E+00
12751	501201.6	3733715	8.33E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.54E-04	0.00E+00	0.00E+00	1.25E-05	2.68E-05	0.00E+00	0.00E+00
12752	501197.9	3733724	8.4E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.70E-05	0.00E+00	0.00E+00
12753	501194.2	3733733	8.46E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.72E-05	0.00E+00	0.00E+00
12754	501179.2	3733769	8.73E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12755	501175.5	3733778	0.000088	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.83E-05	0.00E+00	0.00E+00
12756	501171.8	3733787	8.87E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	1.63E-04	0.00E+00	0.00E+00	1.34E-05	2.85E-05	0.00E+00	0.00E+00
12757	501168.1	3733796	8.94E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	1.65E-04	0.00E+00	0.00E+00	1.35E-05	2.87E-05	0.00E+00	0.00E+00
12758	501164.3	3733805	9.01E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	1.66E-04	0.00E+00	0.00E+00	1.36E-05	2.89E-05	0.00E+00	0.00E+00
12759	501160.6	3733814	9.08E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	1.67E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
12760	501156.9	3733823	9.15E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
12761	501153.1	3733832	9.22E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
12762	501149.4	3733841	9.3E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12763	501145.7	3733850	9.37E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
12764	501141.9	3733859	9.44E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00

12765	501138.2	3733868	9.51E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12766	501134.5	3733877	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
12767	501130.8	3733885	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12768	501127	3733894	9.73E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	1.79E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12769	501123.3	3733903	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
12770	501119.6	3733912	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12771	501115.8	3733921	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12772	501112.1	3733930	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12773	501108.4	3733939	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.25E-05	0.00E+00	0.00E+00
12774	501104.6	3733948	0.000102	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.88E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
12775	501100.9	3733957	0.000103	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12776	501097.2	3733966	0.000103	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.32E-05	0.00E+00	0.00E+00
12777	501093.5	3733975	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.34E-05	0.00E+00	0.00E+00
12778	501089.7	3733984	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.58E-05	3.37E-05	0.00E+00	0.00E+00
12779	501086	3733993	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.59E-05	3.39E-05	0.00E+00	0.00E+00
12780	501082.3	3734002	0.000106	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.96E-04	0.00E+00	0.00E+00	1.60E-05	3.42E-05	0.00E+00	0.00E+00
12781	501078.5	3734011	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.61E-05	3.44E-05	0.00E+00	0.00E+00
12782	501074.8	3734020	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
12783	501071.1	3734029	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.49E-05	0.00E+00	0.00E+00
12784	501067.3	3734038	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.52E-05	0.00E+00	0.00E+00
12785	501063.6	3734047	0.00011	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00
12786	501059.9	3734056	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.67E-05	3.57E-05	0.00E+00	0.00E+00
12787	501056.2	3734065	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
12788	501052.4	3734074	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
12789	501048.7	3734083	0.000114	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.65E-05	0.00E+00	0.00E+00
12790	501045	3734092	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
12791	501041.2	3734101	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
12792	501037.5	3734110	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
12793	501033.8	3734119	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
12794	501030	3734128	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
12795	501026.3	3734137	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
12796	500992.7	3734217	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12797	500989	3734226	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
12798	500985.3	3734235	0.000128	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.36E-04	0.00E+00	0.00E+00	1.92E-05	4.11E-05	0.00E+00	0.00E+00
12799	500981.6	3734244	0.000129	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	2.37E-04	0.00E+00	0.00E+00	1.94E-05	4.13E-05	0.00E+00	0.00E+00
12800	500977.8	3734253	0.00013	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.39E-04	0.00E+00	0.00E+00	1.95E-05	4.16E-05	0.00E+00	0.00E+00
12801	500974.1	3734262	0.00013	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	2.40E-04	0.00E+00	0.00E+00	1.96E-05	4.19E-05	0.00E+00	0.00E+00
12802	500970.4	3734271	0.000131	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.42E-04	0.00E+00	0.00E+00	1.98E-05	4.22E-05	0.00E+00	0.00E+00
12803	500966.6	3734280	0.000132	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	2.44E-04	0.00E+00	0.00E+00	1.99E-05	4.25E-05	0.00E+00	0.00E+00
12804	500962.9	3734289	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.27E-05	0.00E+00	0.00E+00
12805	500959.2	3734298	0.000134	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	2.47E-04	0.00E+00	0.00E+00	2.02E-05	4.30E-05	0.00E+00	0.00E+00
12806	500946.5	3734311	0.000137	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.53E-04	0.00E+00	0.00E+00	2.06E-05	4.40E-05	0.00E+00	0.00E+00
12807	500937.5	3734315	0.000139	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.57E-04	0.00E+00	0.00E+00	2.10E-05	4.47E-05	0.00E+00	0.00E+00
12808	500928.5	3734318	0.000141	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.61E-04	0.00E+00	0.00E+00	2.13E-05	4.54E-05	0.00E+00	0.00E+00
12809	500919.5	3734322	0.000144	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	2.65E-04	0.00E+00	0.00E+00	2.16E-05	4.61E-05	0.00E+00	0.00E+00
12810	500910.5	3734326	0.000146	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	2.69E-04	0.00E+00	0.00E+00	2.20E-05	4.68E-05	0.00E+00	0.00E+00
12811	500901.5	3734329	0.000148	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	2.73E-04	0.00E+00	0.00E+00	2.23E-05	4.75E-05	0.00E+00	0.00E+00
12812	500892.6	3734333	0.00015	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.77E-04	0.00E+00	0.00E+00	2.26E-05	4.83E-05	0.00E+00	0.00E+00
12813	500883.6	3734337	0.000153	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.81E-04	0.00E+00	0.00E+00	2.30E-05	4.90E-05	0.00E+00	0.00E+00
12814	500874.6	3734341	0.000155	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	2.86E-04	0.00E+00	0.00E+00	2.33E-05	4.98E-05	0.00E+00	0.00E+00
12815	500865.6	3734344	0.000157	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.90E-04	0.00E+00	0.00E+00	2.37E-05	5.06E-05	0.00E+00	0.00E+00
12816	500802.7	3734370	0.000175	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.22E-04	0.00E+00	0.00E+00	2.63E-05	5.61E-05	0.00E+00	0.00E+00
12817	500793.7	3734374	0.000177	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	3.27E-04	0.00E+00	0.00E+00	2.67E-05	5.70E-05	0.00E+00	0.00E+00
12818	500784.7	3734378	0.00018	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	3.32E-04	0.00E+00	0.00E+00	2.71E-05	5.78E-05	0.00E+00	0.00E+00
12819	500775.8	3734381	0.000183	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.37E-04	0.00E+00	0.00E+00	2.75E-05	5.86E-05	0.00E+00	0.00E+00
12820	500766.8	3734385	0.000185	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	3.41E-04	0.00E+00	0.00E+00	2.79E-05	5.95E-05	0.00E+00	0.00E+00
12821	500757.8	3734389	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
12822	500748.8	3734392	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
12823	500739.8	3734396	0.000194	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	3.57E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
12824	500730.8	3734400	0.000196	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.62E-04	0.00E+00	0.00E+00	2.95E-05	6.30E-05	0.00E+00	0.00E+00
12825	500721.9	3734403	0.000199	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.39E-05	0.00E+00	0.00E+00
12826	500712.9	3734407	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
12827	500703.9	3734411	0.000204	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.76E-04	0.00E+00	0.00E+00	3.07E-05	6.56E-05	0.00E+00	0.00E+00
12828	500694.9	3734415	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
12829	500685.9	3734418	0.000209	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.86E-04	0.00E+00	0.00E+00	3.15E-05	6.73E-05	0.00E+00	0.00E+00
12830	500676.9	3734422	0.000212	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	3.91E-04	0.00E+00	0.00E+00	3.19E-05	6.81E-05	0.00E+00	0.00E+00
12831	500668	3734426	0.000215	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	3.96E-04	0.00E+00	0.00E+00	3.23E-05	6.90E-05	0.00E+00	0.00E+00
12832	500659	3734429	0.000217	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	4.01E-04	0.00E+00	0.00E+00	3.27E-05	6.98E-05	0.00E+00	0.00E+00
12833	500650	3734433	0.00022	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	4.06E-04	0.00E+00	0.00E+00	3.31E-05	7.07E-05	0.00E+00	0.00E+00
12834	500641	3734437	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.35E-05	7.15E-05	0.00E+00	0.00E+00
12835	500632	3734441	0.000225	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	4.15E-04	0.00E+00	0.00E+00	3.39E-05	7.24E-05	0.00E+00	0.00E+00
12836	500623	3734444	0.000228	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	4.20E-04	0.00E+00	0.00E+00	3.43E-05	7.32E-05	0.00E+00	0.00E+00
12837	500587.1	3734459	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.59E-05	7.65E-05	0.00E+00	0.00E+00
12838	500578.1	3734463	0.000241	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	4.44E-04	0.00E+00	0.00E+00	3.63E-05	7.73E-05	0.00E+00	0.00E+00
12839	500569.1	3734466	0.000243	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	4.48E-04	0.00E+00	0.00E+00	3.66E-05	7.81E-05	0.00E+00	0.00E+00
12840	500560.1	3734470	0.000246	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	4.53E-04	0.00E+00	0.00E+00	3.70E-05	7.89E-05	0.00E+00	0.00E+00
12841	500551.2	3734474	0.000248	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.57E-04	0.00E+00	0.00E+00	3.74E-05	7.97E-05	0.00E+00	0.00E+00
12842	500542.2	3734478	0.000251	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	4.62E-04	0.00E+00	0.00E+00	3.77E-05	8.05E-05	0.00E+00	0.00E+00
12843	500533.2	3734481	0.000253	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.66E-04	0.00E+00	0.00E+00	3.81E-05	8.12E-05	0.00E+00	0.00E+00
12844	500524.2	3734485	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.20E-05	0.00E+00	0.00E+00
12845	500326.6	3734566	0.000299	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.51E-04	0.00E+00	0.00E+00	4.50E-05	9.61E-05	0.00E+00	0.00E+00
12846	500317.6	3734570	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.66E-05	0.00E+00	0.00E+00
12847	500308.6	3734574	0.000302	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.57E-04	0.00E+00	0.00E+00	4.55E-05	9.71E-05	0.00E+00	0.00E+00
12848	500299.6	3734578	0.000304	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	5.60E-04	0.00E+00	0.00E+00	4.57E-05	9.75E-05	0.00E+00	0.00E+00
12849	500290.6	3734581	0.000305	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	5.62E-04	0.00E+00	0.00E+00	4.59E-05	9.80E-05	0.00E+00	0.00E+00
12850	500281.6	3734585	0.000307	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	5.65E-04	0.00E+00	0.00E+00	4.61E-05	9.84E-05	0.00E+00	0.00E+00
12851	500272.7	3734589	0.000308	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.67E-04	0.00E+00	0.00E+00	4.64E-05	9.89E-05	0.00E+00	0.00E+00
12852	500263.7	3734592	0.000309	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.70E-04	0.00E+00	0.00E+00	4.66E-05	9.93E-05	0.00E+00	0.00E+00
12853	500254.7	3734596	0.00031	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	5.72E-04	0.00E+00	0.00E+00	4.67E-05	9.97E-05	0.00E+00	0.00E+00
12854	500245.7	3734600	0.000312	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	5.75E-04	0.00E+00	0.00E+00	4.69E-05	1.00E-04	0.00E+00	0.00E+00
12855	500236.7	3734603	0.000313	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	5.77E-04	0.00E+00	0.00E+00	4.71E-05	1.00E-04	0.00E+00	0.00E+00
12856	500227.7	3734607	0.000314	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	5.79E-04	0.00E+00	0.00E+00	4.73E-05	1.01E-04	0.00E+00	0.00E+00
12857	500218.7	3734611	0.000315	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	5.81E-04	0.00E+00	0.00E+00	4.75E-05	1.01E-04	0.00E+00	0.00E+00
12858	501272.5	3733545	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12859	501272.5	3733535	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12860	501272.5	3733525	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12861	501272.5	3733515	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12862	501272.5	3733506	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12863	501272.5	3733496	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12864	501272.6	3733486	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12865	501272.6	3733476	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12866	501272.6	3733467	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12867	501272.6	3733457	7.28E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12868	501272.6	3733447	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12869	501272.6	3733438	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12870	501272.6	3733428	7.3E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12871	501272.6	3733418	7.31E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
12872	501272.6	3733408	7.33E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	1.35E-04	0.00E+00	0.00E+00	1.10E-05	2.35E-05	0.00E+00	0.00E+00
12873	501272.6	3733399	7.34E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	1.35E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
12874	501272.7	3733389	7.35E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
12875	501272.7	3733379	7.37E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
12876	501272.7	3733369	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00

12877	501272.7	3733360	7.4E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.38E-05	0.00E+00	0.00E+00
12878	501272.7	3733340	7.43E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
12879	501272.7	3733331	7.45E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
12880	501272.7	3733321	7.47E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.40E-05	0.00E+00	0.00E+00
12881	501272.7	3733311	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
12882	501272.7	3733301	7.52E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.39E-04	0.00E+00	0.00E+00	1.13E-05	2.42E-05	0.00E+00	0.00E+00
12883	501272.8	3733282	7.59E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
12884	501272.8	3733272	7.62E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
12885	501272.8	3733263	7.64E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.45E-05	0.00E+00	0.00E+00
12886	501272.8	3733253	7.67E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12887	501272.8	3733243	7.7E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.47E-05	0.00E+00	0.00E+00
12888	501304.5	3733554	6.97E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
12889	501282.2	3733607	7.24E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
12890	501278.4	3733616	7.29E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	1.34E-04	0.00E+00	0.00E+00	1.10E-05	2.34E-05	0.00E+00	0.00E+00
12891	501274.7	3733625	7.34E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	1.35E-04	0.00E+00	0.00E+00	1.11E-05	2.36E-05	0.00E+00	0.00E+00
12892	501271	3733634	7.39E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
12893	501267.3	3733643	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
12894	501263.5	3733652	7.5E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
12895	501259.8	3733661	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
12896	501256.1	3733670	7.61E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-05	1.40E-04	0.00E+00	0.00E+00	1.15E-05	2.44E-05	0.00E+00	0.00E+00
12897	501252.4	3733679	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
12898	501248.7	3733688	7.72E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-05	1.42E-04	0.00E+00	0.00E+00	1.16E-05	2.48E-05	0.00E+00	0.00E+00
12899	501244.9	3733697	7.78E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.43E-04	0.00E+00	0.00E+00	1.17E-05	2.50E-05	0.00E+00	0.00E+00
12900	501241.2	3733706	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.52E-05	0.00E+00	0.00E+00
12901	501237.5	3733715	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
12902	501233.8	3733724	7.95E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.47E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
12903	501230	3733733	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
12904	501226.3	3733742	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.22E-05	2.59E-05	0.00E+00	0.00E+00
12905	501215.2	3733768	8.26E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
12906	501211.4	3733777	8.32E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
12907	501207.7	3733786	8.39E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	1.55E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
12908	501204	3733795	8.45E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	1.56E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
12909	501200.3	3733804	8.52E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	1.57E-04	0.00E+00	0.00E+00	1.28E-05	2.74E-05	0.00E+00	0.00E+00
12910	501196.5	3733813	8.58E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.76E-05	0.00E+00	0.00E+00
12911	501192.8	3733822	8.65E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.78E-05	0.00E+00	0.00E+00
12912	501189.1	3733831	8.71E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	1.61E-04	0.00E+00	0.00E+00	1.31E-05	2.80E-05	0.00E+00	0.00E+00
12913	501185.4	3733840	8.78E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	1.62E-04	0.00E+00	0.00E+00	1.32E-05	2.82E-05	0.00E+00	0.00E+00
12914	501181.7	3733849	8.85E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.84E-05	0.00E+00	0.00E+00
12915	501177.9	3733858	8.91E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
12916	501174.2	3733867	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
12917	501170.5	3733876	9.05E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.91E-05	0.00E+00	0.00E+00
12918	501166.8	3733885	9.12E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.93E-05	0.00E+00	0.00E+00
12919	501163	3733894	9.18E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.95E-05	0.00E+00	0.00E+00
12920	501159.3	3733903	9.25E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	1.71E-04	0.00E+00	0.00E+00	1.39E-05	2.97E-05	0.00E+00	0.00E+00
12921	501155.6	3733912	9.32E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	1.72E-04	0.00E+00	0.00E+00	1.40E-05	2.99E-05	0.00E+00	0.00E+00
12922	501151.9	3733921	9.39E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	1.73E-04	0.00E+00	0.00E+00	1.41E-05	3.02E-05	0.00E+00	0.00E+00
12923	501148.2	3733930	9.46E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.04E-05	0.00E+00	0.00E+00
12924	501144.4	3733939	9.53E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	1.76E-04	0.00E+00	0.00E+00	1.43E-05	3.06E-05	0.00E+00	0.00E+00
12925	501140.7	3733947	9.59E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	1.77E-04	0.00E+00	0.00E+00	1.44E-05	3.08E-05	0.00E+00	0.00E+00
12926	501137	3733956	9.66E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	1.78E-04	0.00E+00	0.00E+00	1.45E-05	3.10E-05	0.00E+00	0.00E+00
12927	501133.3	3733965	9.74E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.79E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
12928	501129.5	3733974	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
12929	501125.8	3733983	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
12930	501122.1	3733992	9.95E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	1.83E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
12931	501118.4	3734001	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
12932	501114.7	3734010	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
12933	501110.9	3734019	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.26E-05	0.00E+00	0.00E+00
12934	501107.2	3734028	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
12935	501103.5	3734037	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
12936	501099.8	3734046	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.34E-05	0.00E+00	0.00E+00
12937	501096	3734055	0.000105	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.93E-04	0.00E+00	0.00E+00	1.57E-05	3.36E-05	0.00E+00	0.00E+00
12938	501092.3	3734064	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.59E-05	3.38E-05	0.00E+00	0.00E+00
12939	501088.6	3734073	0.000106	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	1.95E-04	0.00E+00	0.00E+00	1.60E-05	3.41E-05	0.00E+00	0.00E+00
12940	501084.9	3734082	0.000107	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.97E-04	0.00E+00	0.00E+00	1.61E-05	3.43E-05	0.00E+00	0.00E+00
12941	501081.2	3734091	0.000108	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
12942	501077.4	3734100	0.000108	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.00E-04	0.00E+00	0.00E+00	1.63E-05	3.48E-05	0.00E+00	0.00E+00
12943	501073.7	3734109	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
12944	501070	3734118	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
12945	501066.3	3734127	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.67E-05	3.55E-05	0.00E+00	0.00E+00
12946	501062.5	3734136	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.58E-05	0.00E+00	0.00E+00
12947	501047.7	3734171	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.68E-05	0.00E+00	0.00E+00
12948	501043.9	3734180	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.74E-05	3.70E-05	0.00E+00	0.00E+00
12949	501040.2	3734189	0.000116	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.14E-04	0.00E+00	0.00E+00	1.75E-05	3.73E-05	0.00E+00	0.00E+00
12950	501036.5	3734198	0.000117	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.15E-04	0.00E+00	0.00E+00	1.76E-05	3.75E-05	0.00E+00	0.00E+00
12951	501032.8	3734207	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.78E-05	0.00E+00	0.00E+00
12952	501029	3734216	0.000118	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.18E-04	0.00E+00	0.00E+00	1.78E-05	3.80E-05	0.00E+00	0.00E+00
12953	501025.3	3734225	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.79E-05	3.83E-05	0.00E+00	0.00E+00
12954	501021.6	3734234	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.85E-05	0.00E+00	0.00E+00
12955	501017.9	3734243	0.000121	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	2.23E-04	0.00E+00	0.00E+00	1.82E-05	3.88E-05	0.00E+00	0.00E+00
12956	500991.8	3734306	0.000126	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	2.33E-04	0.00E+00	0.00E+00	1.90E-05	4.05E-05	0.00E+00	0.00E+00
12957	500988.1	3734315	0.000127	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.34E-04	0.00E+00	0.00E+00	1.91E-05	4.08E-05	0.00E+00	0.00E+00
12958	500984.4	3734324	0.000128	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.35E-04	0.00E+00	0.00E+00	1.92E-05	4.10E-05	0.00E+00	0.00E+00
12959	500971.7	3734336	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
12960	500962.7	3734340	0.000133	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.45E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
12961	500953.8	3734344	0.000135	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.49E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
12962	500891	3734369	0.00015	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	2.76E-04	0.00E+00	0.00E+00	2.26E-05	4.81E-05	0.00E+00	0.00E+00
12963	500882	3734373	0.000152	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.80E-04	0.00E+00	0.00E+00	2.29E-05	4.88E-05	0.00E+00	0.00E+00
12964	500873.1	3734377	0.000154	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.85E-04	0.00E+00	0.00E+00	2.32E-05	4.96E-05	0.00E+00	0.00E+00
12965	500864.1	3734381	0.000157	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	2.89E-04	0.00E+00	0.00E+00	2.36E-05	5.03E-05	0.00E+00	0.00E+00
12966	500855.1	3734384	0.000159	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.93E-04	0.00E+00	0.00E+00	2.39E-05	5.11E-05	0.00E+00	0.00E+00
12967	500846.2	3734388	0.000161	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	2.97E-04	0.00E+00	0.00E+00	2.43E-05	5.18E-05	0.00E+00	0.00E+00
12968	500837.2	3734392	0.000164	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	3.02E-04	0.00E+00	0.00E+00	2.46E-05	5.26E-05	0.00E+00	0.00E+00
12969	500828.3	3734395	0.000166	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	3.06E-04	0.00E+00	0.00E+00	2.50E-05	5.33E-05	0.00E+00	0.00E+00
12970	500819.3	3734399	0.000168	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	3.10E-04	0.00E+00	0.00E+00	2.54E-05	5.41E-05	0.00E+00	0.00E+00
12971	500810.3	3734403	0.000171	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	3.15E-04	0.00E+00	0.00E+00	2.57E-05	5.49E-05	0.00E+00	0.00E+00
12972	500801.4	3734406	0.000173	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	3.19E-04	0.00E+00	0.00E+00	2.61E-05	5.56E-05	0.00E+00	0.00E+00
12973	500792.4	3734410	0.000176	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.24E-04	0.00E+00	0.00E+00	2.65E-05	5.64E-05	0.00E+00	0.00E+00
12974	500783.4	3734414	0.000178	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	3.28E-04	0.00E+00	0.00E+00	2.68E-05	5.72E-05	0.00E+00	0.00E+00
12975	500774.5	3734417	0.000181	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.33E-04	0.00E+00	0.00E+00	2.72E-05	5.80E-05	0.00E+00	0.00E+00
12976	500765.5	3734421	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.88E-05	0.00E+00	0.00E+00
12977	500756.5	3734425	0.000186	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.42E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
12978	500747.6	3734429	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.84E-05	6.05E-05	0.00E+00	0.00E+00
12979	500738.6	3734432	0.000191	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	3.52E-04	0.00E+00	0.00E+00	2.87E-05	6.13E-05	0.00E+00	0.00E+00
12980	500729.6	3734436	0.000193	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.56E-04	0.00E+00	0.00E+00	2.91E-05	6.21E-05	0.00E+00	0.00E+00
12981	500720.7	3734440	0.000196	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.61E-04	0.00E+00	0.00E+00	2.95E-05	6.29E-05	0.00E+00	0.00E+00
12982	500711.7	3734443	0.000198	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	3.66E-04	0.00E+00	0.00E+00	2.99E-05	6.37E-05	0.00E+00	0.00E+00
12983	500702.7	3734447	0.000201	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.70E-04	0.00E+00	0.00E+00	3.02E-05	6.45E-05	0.00E+00	0.00E+00
12984	500693.8	3734451	0.000203	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	3.75E-04	0.00E+00	0.00E+00	3.06E-05	6.53E-05	0.00E+00	0.00E+00
12985	500684.8	3734454	0.000206	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	3.79E-04	0.00E+00	0.00E+00	3.10E-05	6.61E-05	0.00E+00	0.00E+00
12986	500675.8	3734458	0.000208	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	3.84E-04	0.00E+00	0.00E+00	3.14E-05	6.69E-05	0.00E+00	0.00E+00
12987	500666.9	3734462	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.17E-05	6.77E-05	0.00E+00	0.00E+00
12988	500657.9	3734466	0.000213	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	3.93E-04	0.00E+00	0.00E+00	3.21E-05	6.85E-05	0.00E+00	0.00E+00

12989	500648.9	3734469	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
12990	500640	3734473	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.01E-05	0.00E+00	0.00E+00
12991	500631	3734477	0.000221	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	4.07E-04	0.00E+00	0.00E+00	3.32E-05	7.08E-05	0.00E+00	0.00E+00
12992	500622.1	3734480	0.000223	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	4.11E-04	0.00E+00	0.00E+00	3.36E-05	7.16E-05	0.00E+00	0.00E+00
12993	500415.9	3734565	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
12994	500406.9	3734569	0.000274	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.79E-05	0.00E+00	0.00E+00
12995	500397.9	3734573	0.000275	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.08E-04	0.00E+00	0.00E+00	4.15E-05	8.84E-05	0.00E+00	0.00E+00
12996	500389	3734576	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.17E-05	8.90E-05	0.00E+00	0.00E+00
12997	500380	3734580	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
12998	500371	3734584	0.00028	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.17E-04	0.00E+00	0.00E+00	4.22E-05	9.00E-05	0.00E+00	0.00E+00
12999	500362.1	3734587	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
13000	500353.1	3734591	0.000283	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.22E-04	0.00E+00	0.00E+00	4.27E-05	9.10E-05	0.00E+00	0.00E+00
13001	500344.1	3734595	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
13002	500335.2	3734599	0.000287	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.28E-04	0.00E+00	0.00E+00	4.31E-05	9.20E-05	0.00E+00	0.00E+00
13003	500326.2	3734602	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
13004	500317.2	3734606	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.36E-05	9.29E-05	0.00E+00	0.00E+00
13005	500308.3	3734610	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
13006	500299.3	3734613	0.000292	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.38E-04	0.00E+00	0.00E+00	4.40E-05	9.38E-05	0.00E+00	0.00E+00
13007	500290.3	3734617	0.000293	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	5.41E-04	0.00E+00	0.00E+00	4.42E-05	9.42E-05	0.00E+00	0.00E+00
13008	500281.4	3734621	0.000295	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	5.43E-04	0.00E+00	0.00E+00	4.44E-05	9.47E-05	0.00E+00	0.00E+00
13009	500272.4	3734624	0.000296	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.46E-04	0.00E+00	0.00E+00	4.46E-05	9.50E-05	0.00E+00	0.00E+00
13010	500263.4	3734628	0.000297	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	5.48E-04	0.00E+00	0.00E+00	4.47E-05	9.54E-05	0.00E+00	0.00E+00
13011	500254.5	3734632	0.000298	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	5.50E-04	0.00E+00	0.00E+00	4.49E-05	9.58E-05	0.00E+00	0.00E+00
13012	500245.5	3734636	0.000299	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	5.52E-04	0.00E+00	0.00E+00	4.51E-05	9.62E-05	0.00E+00	0.00E+00
13013	500236.5	3734639	0.000301	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.54E-04	0.00E+00	0.00E+00	4.53E-05	9.65E-05	0.00E+00	0.00E+00
13014	500227.6	3734643	0.000302	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	5.56E-04	0.00E+00	0.00E+00	4.54E-05	9.69E-05	0.00E+00	0.00E+00
13015	500218.6	3734647	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
13016	501308.2	3733545	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13017	501308.2	3733535	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13018	501308.2	3733525	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13019	501308.2	3733515	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13020	501308.3	3733506	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13021	501308.3	3733496	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13022	501308.3	3733486	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13023	501308.3	3733476	6.92E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13024	501308.3	3733467	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13025	501308.3	3733457	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13026	501308.3	3733447	6.94E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.23E-05	0.00E+00	0.00E+00
13027	501308.3	3733438	6.94E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13028	501308.3	3733428	6.95E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13029	501308.3	3733418	6.96E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13030	501308.4	3733408	6.97E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
13031	501308.4	3733399	6.98E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
13032	501308.4	3733389	6.99E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.25E-05	0.00E+00	0.00E+00
13033	501308.4	3733379	7E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.25E-05	0.00E+00	0.00E+00
13034	501308.4	3733370	7.02E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	1.29E-04	0.00E+00	0.00E+00	1.06E-05	2.25E-05	0.00E+00	0.00E+00
13035	501308.4	3733360	7.03E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.26E-05	0.00E+00	0.00E+00
13036	501308.4	3733331	7.09E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
13037	501308.4	3733321	7.11E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.28E-05	0.00E+00	0.00E+00
13038	501308.5	3733311	7.13E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	1.31E-04	0.00E+00	0.00E+00	1.07E-05	2.29E-05	0.00E+00	0.00E+00
13039	501308.5	3733301	7.15E-05	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	1.32E-04	0.00E+00	0.00E+00	1.08E-05	2.30E-05	0.00E+00	0.00E+00
13040	501308.5	3733282	7.19E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	1.33E-04	0.00E+00	0.00E+00	1.08E-05	2.31E-05	0.00E+00	0.00E+00
13041	501308.5	3733272	7.22E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	1.33E-04	0.00E+00	0.00E+00	1.09E-05	2.32E-05	0.00E+00	0.00E+00
13042	501308.5	3733263	7.24E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
13043	501308.5	3733253	7.27E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.34E-04	0.00E+00	0.00E+00	1.09E-05	2.33E-05	0.00E+00	0.00E+00
13044	501340.2	3733554	6.64E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	1.22E-04	0.00E+00	0.00E+00	1.00E-05	2.13E-05	0.00E+00	0.00E+00
13045	501336.5	3733562	6.68E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	1.23E-04	0.00E+00	0.00E+00	1.01E-05	2.15E-05	0.00E+00	0.00E+00
13046	501332.8	3733571	6.72E-05	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	1.24E-04	0.00E+00	0.00E+00	1.01E-05	2.16E-05	0.00E+00	0.00E+00
13047	501280.8	3733697	7.38E-05	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.36E-04	0.00E+00	0.00E+00	1.11E-05	2.37E-05	0.00E+00	0.00E+00
13048	501277.1	3733705	7.44E-05	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	1.37E-04	0.00E+00	0.00E+00	1.12E-05	2.39E-05	0.00E+00	0.00E+00
13049	501273.3	3733714	7.49E-05	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.38E-04	0.00E+00	0.00E+00	1.13E-05	2.41E-05	0.00E+00	0.00E+00
13050	501269.6	3733723	7.55E-05	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	1.39E-04	0.00E+00	0.00E+00	1.14E-05	2.42E-05	0.00E+00	0.00E+00
13051	501265.9	3733732	7.6E-05	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.40E-04	0.00E+00	0.00E+00	1.14E-05	2.44E-05	0.00E+00	0.00E+00
13052	501262.2	3733741	7.66E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	1.41E-04	0.00E+00	0.00E+00	1.15E-05	2.46E-05	0.00E+00	0.00E+00
13053	501251.1	3733768	7.83E-05	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	1.44E-04	0.00E+00	0.00E+00	1.18E-05	2.51E-05	0.00E+00	0.00E+00
13054	501247.3	3733777	7.89E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.45E-04	0.00E+00	0.00E+00	1.19E-05	2.53E-05	0.00E+00	0.00E+00
13055	501243.6	3733786	7.95E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-05	1.46E-04	0.00E+00	0.00E+00	1.20E-05	2.55E-05	0.00E+00	0.00E+00
13056	501239.9	3733795	8.01E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	1.48E-04	0.00E+00	0.00E+00	1.21E-05	2.57E-05	0.00E+00	0.00E+00
13057	501236.2	3733804	8.07E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.49E-04	0.00E+00	0.00E+00	1.21E-05	2.59E-05	0.00E+00	0.00E+00
13058	501232.5	3733813	8.13E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	1.50E-04	0.00E+00	0.00E+00	1.22E-05	2.61E-05	0.00E+00	0.00E+00
13059	501228.8	3733822	8.19E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	1.51E-04	0.00E+00	0.00E+00	1.23E-05	2.63E-05	0.00E+00	0.00E+00
13060	501225.1	3733831	8.25E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	1.52E-04	0.00E+00	0.00E+00	1.24E-05	2.65E-05	0.00E+00	0.00E+00
13061	501221.3	3733839	8.31E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	1.53E-04	0.00E+00	0.00E+00	1.25E-05	2.67E-05	0.00E+00	0.00E+00
13062	501217.6	3733848	8.37E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	1.54E-04	0.00E+00	0.00E+00	1.26E-05	2.69E-05	0.00E+00	0.00E+00
13063	501213.9	3733857	8.43E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	1.55E-04	0.00E+00	0.00E+00	1.27E-05	2.71E-05	0.00E+00	0.00E+00
13064	501210.2	3733866	8.48E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	1.56E-04	0.00E+00	0.00E+00	1.28E-05	2.72E-05	0.00E+00	0.00E+00
13065	501206.5	3733875	8.54E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	1.58E-04	0.00E+00	0.00E+00	1.29E-05	2.74E-05	0.00E+00	0.00E+00
13066	501202.8	3733884	8.61E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	1.59E-04	0.00E+00	0.00E+00	1.30E-05	2.77E-05	0.00E+00	0.00E+00
13067	501199	3733893	8.68E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	1.60E-04	0.00E+00	0.00E+00	1.31E-05	2.79E-05	0.00E+00	0.00E+00
13068	501195.3	3733902	8.74E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	1.61E-04	0.00E+00	0.00E+00	1.32E-05	2.81E-05	0.00E+00	0.00E+00
13069	501191.6	3733911	8.8E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.62E-04	0.00E+00	0.00E+00	1.33E-05	2.83E-05	0.00E+00	0.00E+00
13070	501187.9	3733920	8.86E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	1.63E-04	0.00E+00	0.00E+00	1.33E-05	2.85E-05	0.00E+00	0.00E+00
13071	501184.2	3733929	8.92E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-05	1.64E-04	0.00E+00	0.00E+00	1.34E-05	2.86E-05	0.00E+00	0.00E+00
13072	501180.5	3733938	8.98E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	1.66E-04	0.00E+00	0.00E+00	1.35E-05	2.88E-05	0.00E+00	0.00E+00
13073	501176.8	3733947	9.04E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	1.67E-04	0.00E+00	0.00E+00	1.36E-05	2.90E-05	0.00E+00	0.00E+00
13074	501173	3733956	9.1E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	1.68E-04	0.00E+00	0.00E+00	1.37E-05	2.92E-05	0.00E+00	0.00E+00
13075	501169.3	3733965	9.16E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	1.69E-04	0.00E+00	0.00E+00	1.38E-05	2.94E-05	0.00E+00	0.00E+00
13076	501165.6	3733974	9.23E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	1.70E-04	0.00E+00	0.00E+00	1.39E-05	2.96E-05	0.00E+00	0.00E+00
13077	501161.9	3733982	9.29E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	1.71E-04	0.00E+00	0.00E+00	1.40E-05	2.98E-05	0.00E+00	0.00E+00
13078	501158.2	3733991	9.36E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	1.72E-04	0.00E+00	0.00E+00	1.41E-05	3.01E-05	0.00E+00	0.00E+00
13079	501154.5	3734000	9.43E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	1.74E-04	0.00E+00	0.00E+00	1.42E-05	3.03E-05	0.00E+00	0.00E+00
13080	501150.8	3734009	9.49E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	1.75E-04	0.00E+00	0.00E+00	1.43E-05	3.05E-05	0.00E+00	0.00E+00
13081	501147	3734018	9.55E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	1.76E-04	0.00E+00	0.00E+00	1.44E-05	3.07E-05	0.00E+00	0.00E+00
13082	501143.3	3734027	9.62E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	1.77E-04	0.00E+00	0.00E+00	1.45E-05	3.09E-05	0.00E+00	0.00E+00
13083	501139.6	3734036	9.68E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	1.78E-04	0.00E+00	0.00E+00	1.46E-05	3.11E-05	0.00E+00	0.00E+00
13084	501135.9	3734045	9.75E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-05	1.80E-04	0.00E+00	0.00E+00	1.47E-05	3.13E-05	0.00E+00	0.00E+00
13085	501132.2	3734054	9.81E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	1.81E-04	0.00E+00	0.00E+00	1.48E-05	3.15E-05	0.00E+00	0.00E+00
13086	501128.5	3734063	9.88E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	1.82E-04	0.00E+00	0.00E+00	1.49E-05	3.17E-05	0.00E+00	0.00E+00
13087	501124.7	3734072	9.96E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	1.84E-04	0.00E+00	0.00E+00	1.50E-05	3.20E-05	0.00E+00	0.00E+00
13088	501121	3734081	0.0001	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.85E-04	0.00E+00	0.00E+00	1.51E-05	3.22E-05	0.00E+00	0.00E+00
13089	501117.3	3734090	0.000101	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.86E-04	0.00E+00	0.00E+00	1.52E-05	3.24E-05	0.00E+00	0.00E+00
13090	501113.6	3734099	0.000102	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.87E-04	0.00E+00	0.00E+00	1.53E-05	3.27E-05	0.00E+00	0.00E+00
13091	501109.9	3734108	0.000102	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	1.89E-04	0.00E+00	0.00E+00	1.54E-05	3.29E-05	0.00E+00	0.00E+00
13092	501106.2	3734117	0.000103	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	1.90E-04	0.00E+00	0.00E+00	1.55E-05	3.31E-05	0.00E+00	0.00E+00
13093	501102.5	3734125	0.000104	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.91E-04	0.00E+00	0.00E+00	1.56E-05	3.33E-05	0.00E+00	0.00E+00
13094	501098.7	3734134	0.000104	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	1.92E-04	0.00E+00	0.00E+00	1.57E-05	3.35E-05	0.00E+00	0.00E+00
13095	501095	3734143	0.000105	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	1.94E-04	0.00E+00	0.00E+00	1.58E-05	3.38E-05	0.00E+00	0.00E+00
13096	501083.9	3734170	0.000107	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.98E-04	0.00E+00	0.00E+00	1.62E-05	3.45E-05	0.00E+00	0.00E+00
13097	501080.2	3734179	0.000108	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	1.99E-04	0.00E+00	0.00E+00	1.63E-05	3.47E-05	0.00E+00	0.00E+00
13098	501076.5	3734188	0.000109	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.01E-04	0.00E+00	0.00E+00	1.64E-05	3.50E-05	0.00E+00	0.00E+00
13099	501072.7	3734197	0.00011	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.02E-04	0.00E+00	0.00E+00	1.65E-05	3.53E-05	0.00E+00	0.00E+00
13100	501069	3734206	0.000111	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.04E-04	0.00E+00	0.00E+00	1.66E-05	3.55E-05	0.00E+00	0.00E+00

13101	501065.3	3734215	0.000111	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.05E-04	0.00E+00	0.00E+00	1.68E-05	3.57E-05	0.00E+00	0.00E+00
13102	501061.6	3734224	0.000112	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.06E-04	0.00E+00	0.00E+00	1.69E-05	3.60E-05	0.00E+00	0.00E+00
13103	501057.9	3734233	0.000113	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.08E-04	0.00E+00	0.00E+00	1.70E-05	3.62E-05	0.00E+00	0.00E+00
13104	501054.2	3734242	0.000113	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.09E-04	0.00E+00	0.00E+00	1.71E-05	3.64E-05	0.00E+00	0.00E+00
13105	501050.5	3734251	0.000114	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.11E-04	0.00E+00	0.00E+00	1.72E-05	3.67E-05	0.00E+00	0.00E+00
13106	501046.7	3734259	0.000115	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.12E-04	0.00E+00	0.00E+00	1.73E-05	3.69E-05	0.00E+00	0.00E+00
13107	501043	3734268	0.000116	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.13E-04	0.00E+00	0.00E+00	1.74E-05	3.71E-05	0.00E+00	0.00E+00
13108	501039.3	3734277	0.000116	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.15E-04	0.00E+00	0.00E+00	1.75E-05	3.74E-05	0.00E+00	0.00E+00
13109	501035.6	3734286	0.000117	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.16E-04	0.00E+00	0.00E+00	1.76E-05	3.76E-05	0.00E+00	0.00E+00
13110	501031.9	3734295	0.000118	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.17E-04	0.00E+00	0.00E+00	1.77E-05	3.79E-05	0.00E+00	0.00E+00
13111	501028.2	3734304	0.000119	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.19E-04	0.00E+00	0.00E+00	1.79E-05	3.81E-05	0.00E+00	0.00E+00
13112	501024.4	3734313	0.000119	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.20E-04	0.00E+00	0.00E+00	1.80E-05	3.83E-05	0.00E+00	0.00E+00
13113	501020.7	3734322	0.00012	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.21E-04	0.00E+00	0.00E+00	1.81E-05	3.86E-05	0.00E+00	0.00E+00
13114	500988	3734365	0.000127	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.33E-04	0.00E+00	0.00E+00	1.91E-05	4.06E-05	0.00E+00	0.00E+00
13115	500979	3734369	0.000128	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	2.37E-04	0.00E+00	0.00E+00	1.93E-05	4.13E-05	0.00E+00	0.00E+00
13116	500970.1	3734373	0.000131	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	2.41E-04	0.00E+00	0.00E+00	1.97E-05	4.19E-05	0.00E+00	0.00E+00
13117	500961.1	3734376	0.000133	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.44E-04	0.00E+00	0.00E+00	2.00E-05	4.26E-05	0.00E+00	0.00E+00
13118	500952.2	3734380	0.000135	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.48E-04	0.00E+00	0.00E+00	2.03E-05	4.33E-05	0.00E+00	0.00E+00
13119	500943.2	3734384	0.000137	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	2.52E-04	0.00E+00	0.00E+00	2.06E-05	4.39E-05	0.00E+00	0.00E+00
13120	500934.3	3734387	0.000139	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	2.56E-04	0.00E+00	0.00E+00	2.09E-05	4.46E-05	0.00E+00	0.00E+00
13121	500925.3	3734391	0.000141	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	2.60E-04	0.00E+00	0.00E+00	2.12E-05	4.52E-05	0.00E+00	0.00E+00
13122	500916.4	3734395	0.000143	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	2.63E-04	0.00E+00	0.00E+00	2.15E-05	4.59E-05	0.00E+00	0.00E+00
13123	500907.5	3734398	0.000145	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	2.67E-04	0.00E+00	0.00E+00	2.18E-05	4.66E-05	0.00E+00	0.00E+00
13124	500898.5	3734402	0.000147	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	2.71E-04	0.00E+00	0.00E+00	2.21E-05	4.72E-05	0.00E+00	0.00E+00
13125	500889.6	3734406	0.000149	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	2.75E-04	0.00E+00	0.00E+00	2.25E-05	4.79E-05	0.00E+00	0.00E+00
13126	500880.6	3734409	0.000151	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	2.79E-04	0.00E+00	0.00E+00	2.28E-05	4.86E-05	0.00E+00	0.00E+00
13127	500871.7	3734413	0.000154	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	2.83E-04	0.00E+00	0.00E+00	2.31E-05	4.93E-05	0.00E+00	0.00E+00
13128	500862.7	3734417	0.000156	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	2.87E-04	0.00E+00	0.00E+00	2.34E-05	5.00E-05	0.00E+00	0.00E+00
13129	500853.8	3734420	0.000158	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.91E-04	0.00E+00	0.00E+00	2.38E-05	5.07E-05	0.00E+00	0.00E+00
13130	500844.8	3734424	0.00016	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.95E-04	0.00E+00	0.00E+00	2.41E-05	5.14E-05	0.00E+00	0.00E+00
13131	500835.9	3734428	0.000162	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	2.99E-04	0.00E+00	0.00E+00	2.45E-05	5.22E-05	0.00E+00	0.00E+00
13132	500826.9	3734432	0.000165	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	3.04E-04	0.00E+00	0.00E+00	2.48E-05	5.29E-05	0.00E+00	0.00E+00
13133	500818	3734435	0.000167	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	3.08E-04	0.00E+00	0.00E+00	2.51E-05	5.36E-05	0.00E+00	0.00E+00
13134	500809	3734439	0.000169	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	3.12E-04	0.00E+00	0.00E+00	2.55E-05	5.44E-05	0.00E+00	0.00E+00
13135	500800.1	3734443	0.000172	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	3.16E-04	0.00E+00	0.00E+00	2.58E-05	5.51E-05	0.00E+00	0.00E+00
13136	500791.1	3734446	0.000174	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	3.21E-04	0.00E+00	0.00E+00	2.62E-05	5.59E-05	0.00E+00	0.00E+00
13137	500782.2	3734450	0.000176	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	3.25E-04	0.00E+00	0.00E+00	2.66E-05	5.67E-05	0.00E+00	0.00E+00
13138	500773.2	3734454	0.000179	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	3.30E-04	0.00E+00	0.00E+00	2.69E-05	5.74E-05	0.00E+00	0.00E+00
13139	500764.3	3734457	0.000181	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	3.34E-04	0.00E+00	0.00E+00	2.73E-05	5.82E-05	0.00E+00	0.00E+00
13140	500755.3	3734461	0.000183	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	3.38E-04	0.00E+00	0.00E+00	2.76E-05	5.89E-05	0.00E+00	0.00E+00
13141	500746.4	3734465	0.000186	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	3.43E-04	0.00E+00	0.00E+00	2.80E-05	5.97E-05	0.00E+00	0.00E+00
13142	500737.5	3734468	0.000188	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	3.47E-04	0.00E+00	0.00E+00	2.83E-05	6.04E-05	0.00E+00	0.00E+00
13143	500728.5	3734472	0.00019	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	3.51E-04	0.00E+00	0.00E+00	2.87E-05	6.12E-05	0.00E+00	0.00E+00
13144	500719.6	3734476	0.000193	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	3.55E-04	0.00E+00	0.00E+00	2.90E-05	6.19E-05	0.00E+00	0.00E+00
13145	500710.6	3734480	0.000195	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	3.60E-04	0.00E+00	0.00E+00	2.94E-05	6.27E-05	0.00E+00	0.00E+00
13146	500701.7	3734483	0.000197	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.64E-04	0.00E+00	0.00E+00	2.97E-05	6.34E-05	0.00E+00	0.00E+00
13147	500692.7	3734487	0.0002	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.68E-04	0.00E+00	0.00E+00	3.01E-05	6.42E-05	0.00E+00	0.00E+00
13148	500683.8	3734491	0.000202	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.73E-04	0.00E+00	0.00E+00	3.04E-05	6.49E-05	0.00E+00	0.00E+00
13149	500674.8	3734494	0.000204	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00
13150	500665.9	3734498	0.000207	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	3.81E-04	0.00E+00	0.00E+00	3.11E-05	6.64E-05	0.00E+00	0.00E+00
13151	500656.9	3734502	0.000209	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	3.85E-04	0.00E+00	0.00E+00	3.15E-05	6.71E-05	0.00E+00	0.00E+00
13152	500648	3734505	0.000211	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.89E-04	0.00E+00	0.00E+00	3.18E-05	6.78E-05	0.00E+00	0.00E+00
13153	500639	3734509	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.86E-05	0.00E+00	0.00E+00
13154	500630.1	3734513	0.000216	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	3.98E-04	0.00E+00	0.00E+00	3.25E-05	6.93E-05	0.00E+00	0.00E+00
13155	500621.1	3734516	0.000218	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	4.02E-04	0.00E+00	0.00E+00	3.28E-05	7.00E-05	0.00E+00	0.00E+00
13156	500495.9	3734568	0.000247	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	4.54E-04	0.00E+00	0.00E+00	3.71E-05	7.92E-05	0.00E+00	0.00E+00
13157	500486.9	3734572	0.000248	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	4.58E-04	0.00E+00	0.00E+00	3.74E-05	7.98E-05	0.00E+00	0.00E+00
13158	500478	3734575	0.00025	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	4.61E-04	0.00E+00	0.00E+00	3.77E-05	8.04E-05	0.00E+00	0.00E+00
13159	500469	3734579	0.000253	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	4.65E-04	0.00E+00	0.00E+00	3.80E-05	8.11E-05	0.00E+00	0.00E+00
13160	500460.1	3734583	0.000254	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	4.69E-04	0.00E+00	0.00E+00	3.83E-05	8.17E-05	0.00E+00	0.00E+00
13161	500451.1	3734586	0.000256	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	4.72E-04	0.00E+00	0.00E+00	3.85E-05	8.22E-05	0.00E+00	0.00E+00
13162	500442.2	3734590	0.000258	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.28E-05	0.00E+00	0.00E+00
13163	500433.2	3734594	0.000259	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	4.78E-04	0.00E+00	0.00E+00	3.91E-05	8.33E-05	0.00E+00	0.00E+00
13164	500424.3	3734598	0.000261	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	4.81E-04	0.00E+00	0.00E+00	3.93E-05	8.39E-05	0.00E+00	0.00E+00
13165	500415.3	3734601	0.000263	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.84E-04	0.00E+00	0.00E+00	3.96E-05	8.44E-05	0.00E+00	0.00E+00
13166	500406.4	3734605	0.000264	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	4.87E-04	0.00E+00	0.00E+00	3.98E-05	8.49E-05	0.00E+00	0.00E+00
13167	500397.4	3734609	0.000266	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	4.90E-04	0.00E+00	0.00E+00	4.00E-05	8.54E-05	0.00E+00	0.00E+00
13168	500388.5	3734612	0.000267	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	4.93E-04	0.00E+00	0.00E+00	4.03E-05	8.59E-05	0.00E+00	0.00E+00
13169	500379.6	3734616	0.000269	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	4.96E-04	0.00E+00	0.00E+00	4.05E-05	8.64E-05	0.00E+00	0.00E+00
13170	500370.6	3734620	0.00027	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	4.99E-04	0.00E+00	0.00E+00	4.07E-05	8.69E-05	0.00E+00	0.00E+00
13171	500361.7	3734623	0.000272	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	5.01E-04	0.00E+00	0.00E+00	4.09E-05	8.73E-05	0.00E+00	0.00E+00
13172	500352.7	3734627	0.000273	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	5.04E-04	0.00E+00	0.00E+00	4.12E-05	8.78E-05	0.00E+00	0.00E+00
13173	500343.8	3734631	0.000275	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	5.07E-04	0.00E+00	0.00E+00	4.14E-05	8.83E-05	0.00E+00	0.00E+00
13174	500334.8	3734634	0.000276	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	5.09E-04	0.00E+00	0.00E+00	4.16E-05	8.87E-05	0.00E+00	0.00E+00
13175	500325.9	3734638	0.000277	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	5.11E-04	0.00E+00	0.00E+00	4.18E-05	8.91E-05	0.00E+00	0.00E+00
13176	500316.9	3734642	0.000279	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.14E-04	0.00E+00	0.00E+00	4.20E-05	8.95E-05	0.00E+00	0.00E+00
13177	500308	3734645	0.00028	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.16E-04	0.00E+00	0.00E+00	4.22E-05	8.99E-05	0.00E+00	0.00E+00
13178	500299	3734649	0.000281	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	5.18E-04	0.00E+00	0.00E+00	4.23E-05	9.03E-05	0.00E+00	0.00E+00
13179	500290.1	3734653	0.000282	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.21E-04	0.00E+00	0.00E+00	4.25E-05	9.07E-05	0.00E+00	0.00E+00
13180	500281.1	3734657	0.000284	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	5.23E-04	0.00E+00	0.00E+00	4.27E-05	9.11E-05	0.00E+00	0.00E+00
13181	500272.2	3734660	0.000285	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	5.25E-04	0.00E+00	0.00E+00	4.29E-05	9.15E-05	0.00E+00	0.00E+00
13182	500263.2	3734664	0.000286	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	5.27E-04	0.00E+00	0.00E+00	4.30E-05	9.18E-05	0.00E+00	0.00E+00
13183	500254.3	3734668	0.000287	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	5.29E-04	0.00E+00	0.00E+00	4.32E-05	9.21E-05	0.00E+00	0.00E+00
13184	500245.3	3734671	0.000288	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	5.31E-04	0.00E+00	0.00E+00	4.34E-05	9.25E-05	0.00E+00	0.00E+00
13185	500236.4	3734675	0.000289	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	5.33E-04	0.00E+00	0.00E+00	4.35E-05	9.28E-05	0.00E+00	0.00E+00
13186	500227.4	3734679	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.37E-05	9.31E-05	0.00E+00	0.00E+00
13187	500218.5	3734682	0.000291	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	5.36E-04	0.00E+00	0.00E+00	4.38E-05	9.34E-05	0.00E+00	0.00E+00
13188	501343.9	3733545	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13189	501343.9	3733535	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13190	501343.9	3733525	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13191	501344	3733515	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13192	501344	3733506	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13193	501344	3733496	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13194	501344	3733486	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.93E-06	2.12E-05	0.00E+00	0.00E+00
13195	501344	3733477	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13196	501344	3733467	6.6E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	1.22E-04	0.00E+00	0.00E+00	9.94E-06	2.12E-05	0.00E+00	0.00E+00
13197	501344	3733457	6.61E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	1.22E-04	0.00E+00	0.00E+00	9.95E-06	2.12E-05	0.00E+00	0.00E+00
13198	501344	3733447	6.61E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	1.22E-04	0.00E+00	0.00E+00	9.96E-06	2.12E-05	0.00E+00	0.00E+00
13199	501344	3733438	6.62E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	1.22E-04	0.00E+00	0.00E+00	9.96E-06	2.13E-05	0.00E+00	0.00E+00
13200	501344	3733428	6.63E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	1.22E-04	0.00E+00	0.00E+00	9.98E-06	2.13E-05	0.00E+00	0.00E+00
13201	501344.1	3733418	6.63E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	1.22E-04	0.00E+00	0.00E+00	9.99E-06	2.13E-05	0.00E+00	0.00E+00
13202	501344.1	3733408	6.64E-05	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	1.22E-04	0.00E+00	0.00E+00	1.00E-05	2.13E-05	0.00E+00	0.00E+00
13203	501344.1	3733399	6.65E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	1.23E-04	0.00E+00	0.00E+00	1.00E-05	2.14E-05	0.00E+00	0.00E+00
13204	501344.1	3733389	6.67E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	1.23E-04	0.00E+00	0.00E+00	1.00E-05	2.14E-05	0.00E+00	0.00E+00
13205	501344.1	3733379	6.68E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	1.23E-04	0.00E+00	0.00E+00	1.01E-05	2.14E-05	0.00E+00	0.00E+00
13206	501344.1	3733370	6.69E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	1.23E-04	0.00E+00	0.00E+00	1.01E-05	2.15E-05	0.00E+00	0.00E+00
13207	501344.1	3733360	6.71E-05	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	1.24E-04	0.00E+00	0.00E+00	1.01E-05	2.15E-05	0.00E+00	0.00E+00
13208	501344.1	3733331	6.76E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	1.25E-04	0.00E+00	0.00E+00	1.02E-05	2.17E-05	0.00E+00	0.00E+00
13209	501344.2	3733321	6.77E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	1.25E-04	0.00E+00	0.00E+00	1.02E-05	2.18E-05	0.00E+00	0.00E+00
13210	501344.2	3733311	6.79E-05	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	1.25E-04	0.00E+00	0.00E+00	1.02E-05	2.18E-05	0.00E+00	0.00E+00
13211	501344.2	3733301	6.81E-05	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	1.26E-04	0.00E+00	0.00E+00	1.03E-05	2.19E-05	0.00E+00	0.00E+00
13212	501344.2	3733282	6.86E-05	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	1.26E-04	0.00E+00	0.00E+00	1.03E-05	2.20E-05	0.00E+00	0.00E+00

13213	501344.2	3733272	6.88E-05	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	1.27E-04	0.00E+00	0.00E+00	1.04E-05	2.21E-05	0.00E+00	0.00E+00
13214	501344.2	3733263	6.9E-05	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	1.27E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13215	501344.2	3733253	6.93E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.28E-04	0.00E+00	0.00E+00	1.04E-05	2.22E-05	0.00E+00	0.00E+00
13216	501344.2	3733243	6.95E-05	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	1.28E-04	0.00E+00	0.00E+00	1.05E-05	2.23E-05	0.00E+00	0.00E+00
13217	501344.2	3733233	6.98E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.24E-05	0.00E+00	0.00E+00
13218	501344.3	3733224	7E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	1.29E-04	0.00E+00	0.00E+00	1.05E-05	2.25E-05	0.00E+00	0.00E+00
13219	501344.3	3733214	7.03E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.26E-05	0.00E+00	0.00E+00
13220	501344.3	3733204	7.06E-05	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	1.30E-04	0.00E+00	0.00E+00	1.06E-05	2.27E-05	0.00E+00	0.00E+00
13221	499793.2	3733260	0.002692	4.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	4.96E-03	0.00E+00	0.00E+00	4.05E-04	8.65E-04	0.00E+00	0.00E+00
13222	499776.5	3733260	0.002267	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	4.18E-03	0.00E+00	0.00E+00	3.41E-04	7.28E-04	0.00E+00	0.00E+00
13223	499751.5	3733258	0.001798	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	3.31E-03	0.00E+00	0.00E+00	2.71E-04	5.78E-04	0.00E+00	0.00E+00
13224	499798	3733218	0.002699	4.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	4.97E-03	0.00E+00	0.00E+00	4.06E-04	8.67E-04	0.00E+00	0.00E+00
13225	499777.7	3733219	0.002169	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	4.00E-03	0.00E+00	0.00E+00	3.27E-04	6.97E-04	0.00E+00	0.00E+00
13226	499749.1	3733218	0.001654	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	3.05E-03	0.00E+00	0.00E+00	2.49E-04	5.31E-04	0.00E+00	0.00E+00
13227	499789.6	3733178	0.002302	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03	4.24E-03	0.00E+00	0.00E+00	3.47E-04	7.39E-04	0.00E+00	0.00E+00
13228	499768.2	3733176	0.001824	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.36E-03	0.00E+00	0.00E+00	2.75E-04	5.86E-04	0.00E+00	0.00E+00
13229	499751.5	3733176	0.001558	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.87E-03	0.00E+00	0.00E+00	2.35E-04	5.00E-04	0.00E+00	0.00E+00
13230	499826.6	3733100	0.003299	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03	6.08E-03	0.00E+00	0.00E+00	4.97E-04	1.06E-03	0.00E+00	0.00E+00
13231	499824.2	3733085	0.003013	5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03	5.55E-03	0.00E+00	0.00E+00	4.54E-04	9.68E-04	0.00E+00	0.00E+00
13232	499823	3733044	0.002455	4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	4.53E-03	0.00E+00	0.00E+00	3.70E-04	7.88E-04	0.00E+00	0.00E+00
13233	499823	3733026	0.002209	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	4.07E-03	0.00E+00	0.00E+00	3.33E-04	7.09E-04	0.00E+00	0.00E+00
13234	499801.6	3732976	0.001257	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	2.32E-03	0.00E+00	0.00E+00	1.89E-04	4.04E-04	0.00E+00	0.00E+00
13235	499788.5	3732967	0.001084	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.00E-03	0.00E+00	0.00E+00	1.63E-04	3.48E-04	0.00E+00	0.00E+00
13236	499761	3732958	0.000864	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	1.59E-03	0.00E+00	0.00E+00	1.30E-04	2.78E-04	0.00E+00	0.00E+00
13237	499744.3	3732951	0.000765	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.41E-03	0.00E+00	0.00E+00	1.15E-04	2.46E-04	0.00E+00	0.00E+00
13238	499783.7	3733028	0.00134	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	2.47E-03	0.00E+00	0.00E+00	2.02E-04	4.30E-04	0.00E+00	0.00E+00
13239	499761	3733029	0.001101	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.03E-03	0.00E+00	0.00E+00	1.66E-04	3.54E-04	0.00E+00	0.00E+00
13240	499738.4	3733029	0.000931	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	1.72E-03	0.00E+00	0.00E+00	1.40E-04	2.99E-04	0.00E+00	0.00E+00
13241	499781.3	3733074	0.001567	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	2.89E-03	0.00E+00	0.00E+00	2.36E-04	5.03E-04	0.00E+00	0.00E+00
13242	499761	3733074	0.001283	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	2.36E-03	0.00E+00	0.00E+00	1.93E-04	4.12E-04	0.00E+00	0.00E+00
13243	499732.4	3733074	0.001017	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.87E-03	0.00E+00	0.00E+00	1.53E-04	3.27E-04	0.00E+00	0.00E+00
13244	499685.9	3732952	0.000571	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.05E-03	0.00E+00	0.00E+00	8.60E-05	1.83E-04	0.00E+00	0.00E+00
13245	499687.1	3732973	0.000602	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	1.11E-03	0.00E+00	0.00E+00	9.07E-05	1.93E-04	0.00E+00	0.00E+00
13246	499687.1	3733000	0.000639	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	1.18E-03	0.00E+00	0.00E+00	9.63E-05	2.05E-04	0.00E+00	0.00E+00
13247	499687.1	3733033	0.00069	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
13248	499688.3	3733053	0.000728	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.34E-03	0.00E+00	0.00E+00	1.10E-04	2.34E-04	0.00E+00	0.00E+00
13249	499688.3	3733076	0.000768	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.42E-03	0.00E+00	0.00E+00	1.16E-04	2.47E-04	0.00E+00	0.00E+00
13250	499696.6	3733167	0.000995	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04	1.83E-03	0.00E+00	0.00E+00	1.50E-04	3.19E-04	0.00E+00	0.00E+00
13251	499699	3733180	0.001039	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.92E-03	0.00E+00	0.00E+00	1.56E-04	3.34E-04	0.00E+00	0.00E+00
13252	499697.8	3733220	0.001114	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.05E-03	0.00E+00	0.00E+00	1.68E-04	3.58E-04	0.00E+00	0.00E+00
13253	499697.8	3733236	0.001145	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.11E-03	0.00E+00	0.00E+00	1.72E-04	3.68E-04	0.00E+00	0.00E+00
13254	499697.8	3733258	0.001188	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.19E-03	0.00E+00	0.00E+00	1.79E-04	3.81E-04	0.00E+00	0.00E+00
13255	499639.4	3733264	0.000832	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	1.53E-03	0.00E+00	0.00E+00	1.25E-04	2.67E-04	0.00E+00	0.00E+00
13256	499614.3	3733262	0.000724	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	1.33E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
13257	499638.2	3733241	0.000797	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	1.47E-03	0.00E+00	0.00E+00	1.20E-04	2.56E-04	0.00E+00	0.00E+00
13258	499613.1	3733241	0.000697	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.28E-03	0.00E+00	0.00E+00	1.05E-04	2.24E-04	0.00E+00	0.00E+00
13259	499635.8	3733214	0.000753	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.39E-03	0.00E+00	0.00E+00	1.13E-04	2.42E-04	0.00E+00	0.00E+00
13260	499637	3733189	0.000726	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.34E-03	0.00E+00	0.00E+00	1.09E-04	2.33E-04	0.00E+00	0.00E+00
13261	499614.3	3733184	0.000641	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.18E-03	0.00E+00	0.00E+00	9.65E-05	2.06E-04	0.00E+00	0.00E+00
13262	499613.1	3733213	0.000668	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.23E-03	0.00E+00	0.00E+00	1.01E-04	2.14E-04	0.00E+00	0.00E+00
13263	499617.9	3733085	0.000548	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.01E-03	0.00E+00	0.00E+00	8.25E-05	1.76E-04	0.00E+00	0.00E+00
13264	499616.7	3733071	0.000531	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	9.79E-04	0.00E+00	0.00E+00	8.00E-05	1.71E-04	0.00E+00	0.00E+00
13265	499615.5	3733046	0.000506	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	9.32E-04	0.00E+00	0.00E+00	7.61E-05	1.62E-04	0.00E+00	0.00E+00
13266	499614.3	3733031	0.00049	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	9.02E-04	0.00E+00	0.00E+00	7.37E-05	1.57E-04	0.00E+00	0.00E+00
13267	499614.3	3733008	0.00047	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	8.67E-04	0.00E+00	0.00E+00	7.08E-05	1.51E-04	0.00E+00	0.00E+00
13268	499620.3	3732978	0.000457	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	8.42E-04	0.00E+00	0.00E+00	6.88E-05	1.47E-04	0.00E+00	0.00E+00
13269	499622.7	3732942	0.000433	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	7.98E-04	0.00E+00	0.00E+00	6.52E-05	1.39E-04	0.00E+00	0.00E+00
13270	499607.2	3732928	0.000399	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	7.36E-04	0.00E+00	0.00E+00	6.01E-05	1.28E-04	0.00E+00	0.00E+00
13271	499573.8	3732942	0.000365	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	6.73E-04	0.00E+00	0.00E+00	5.49E-05	1.17E-04	0.00E+00	0.00E+00
13272	499573.8	3732929	0.000358	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	6.59E-04	0.00E+00	0.00E+00	5.39E-05	1.15E-04	0.00E+00	0.00E+00
13273	499539.2	3732927	0.00032	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	5.90E-04	0.00E+00	0.00E+00	4.82E-05	1.03E-04	0.00E+00	0.00E+00
13274	499541.5	3732941	0.000329	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	6.06E-04	0.00E+00	0.00E+00	4.95E-05	1.06E-04	0.00E+00	0.00E+00
13275	499511.7	3732941	0.000301	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	5.55E-04	0.00E+00	0.00E+00	4.53E-05	9.67E-05	0.00E+00	0.00E+00
13276	499487.9	3732942	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
13277	499491.5	3732928	0.00028	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	5.15E-04	0.00E+00	0.00E+00	4.21E-05	8.98E-05	0.00E+00	0.00E+00
13278	499511.7	3732928	0.000296	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	5.45E-04	0.00E+00	0.00E+00	4.46E-05	9.50E-05	0.00E+00	0.00E+00
13279	499436.6	3732935	0.000244	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.50E-04	0.00E+00	0.00E+00	3.67E-05	7.84E-05	0.00E+00	0.00E+00
13280	499436.6	3733002	0.000263	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	4.85E-04	0.00E+00	0.00E+00	3.96E-05	8.45E-05	0.00E+00	0.00E+00
13281	499436.6	3733089	0.00029	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	5.34E-04	0.00E+00	0.00E+00	4.37E-05	9.31E-05	0.00E+00	0.00E+00
13282	499526	3733091	0.000386	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	7.11E-04	0.00E+00	0.00E+00	5.81E-05	1.24E-04	0.00E+00	0.00E+00
13283	499523.7	3733142	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
13284	499435.4	3733149	0.000309	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	5.69E-04	0.00E+00	0.00E+00	4.65E-05	9.91E-05	0.00E+00	0.00E+00
13285	499437.8	3733233	0.000341	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	6.29E-04	0.00E+00	0.00E+00	5.14E-05	1.10E-04	0.00E+00	0.00E+00
13286	499483.1	3733258	0.000409	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	7.54E-04	0.00E+00	0.00E+00	6.16E-05	1.31E-04	0.00E+00	0.00E+00
13287	499507	3733257	0.000447	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	8.23E-04	0.00E+00	0.00E+00	6.73E-05	1.43E-04	0.00E+00	0.00E+00
13288	499530.8	3733257	0.000491	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	9.04E-04	0.00E+00	0.00E+00	7.39E-05	1.58E-04	0.00E+00	0.00E+00
13289	499555.9	3733256	0.000544	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.00E-03	0.00E+00	0.00E+00	8.19E-05	1.75E-04	0.00E+00	0.00E+00
13290	499638.2	3733158	0.000691	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.27E-03	0.00E+00	0.00E+00	1.04E-04	2.22E-04	0.00E+00	0.00E+00
13291	499616.7	3733158	0.00062	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.14E-03	0.00E+00	0.00E+00	9.33E-05	1.99E-04	0.00E+00	0.00E+00
13292	499632.2	3732883	0.000403	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	7.42E-04	0.00E+00	0.00E+00	6.06E-05	1.29E-04	0.00E+00	0.00E+00
13293	499658.4	3732890	0.000448	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	8.26E-04	0.00E+00	0.00E+00	6.75E-05	1.44E-04	0.00E+00	0.00E+00
13294	499559.4	3732891	0.000323	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	5.95E-04	0.00E+00	0.00E+00	4.86E-05	1.04E-04	0.00E+00	0.00E+00
13295	499473.6	3732891	0.000255	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	4.70E-04	0.00E+00	0.00E+00	3.84E-05	8.18E-05	0.00E+00	0.00E+00
13296	499512.9	3732889	0.000282	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	5.20E-04	0.00E+00	0.00E+00	4.24E-05	9.05E-05	0.00E+00	0.00E+00
13297	499490.3	3732865	0.000257	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.75E-04	0.00E+00	0.00E+00	3.88E-05	8.27E-05	0.00E+00	0.00E+00
13298	499584.5	3732859	0.000332	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	6.11E-04	0.00E+00	0.00E+00	4.99E-05	1.06E-04	0.00E+00	0.00E+00
13299	499559.4	3732847	0.000303	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	5.58E-04	0.00E+00	0.00E+00	4.56E-05	9.72E-05	0.00E+00	0.00E+00
13300	499535.6	3732836	0.000279	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	5.15E-04	0.00E+00	0.00E+00	4.20E-05	8.97E-05	0.00E+00	0.00E+00
13301	499509.3	3732825	0.000257	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	4.74E-04	0.00E+00	0.00E+00	3.87E-05	8.26E-05	0.00E+00	0.00E+00
13302	499484.3	3732814	0.000238	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	4.39E-04	0.00E+00	0.00E+00	3.58E-05	7.65E-05	0.00E+00	0.00E+00
13303	499441.4	3732808	0.000214	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	3.94E-04	0.00E+00	0.00E+00	3.22E-05	6.87E-05	0.00E+00	0.00E+00
13304	499411.5	3732812	0.000201	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.71E-04	0.00E+00	0.00E+00	3.03E-05	6.47E-05	0.00E+00	0.00E+00
13305	499411.5	3732790	0.000197	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	3.62E-04	0.00E+00	0.00E+00	2.96E-05	6.31E-05	0.00E+00	0.00E+00
13306	499428.2	3732793	0.000205	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	3.77E-04	0.00E+00	0.00E+00	3.08E-05	6.57E-05	0.00E+00	0.00E+00

						502
			495	500092.96	3733020.19	
	Max Yr	**2**	UnMitigated	T2	T2L3	T4
	Row	**19**	4.37E-02	0.00E+00	4.37E-02	7.61E-03
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**0%**	**100%**	**17%**
			Year 2	Year 2	Year 2	Year 2
1	500234.3	3733193	3.12E-02	0.00E+00	3.12E-02	5.43E-03
2	500294.3	3733193	1.75E-02	0.00E+00	1.75E-02	3.06E-03
3	500484.3	3733193	5.44E-03	0.00E+00	5.44E-03	9.48E-04
4	500514.3	3733193	4.74E-03	0.00E+00	4.74E-03	8.26E-04
5	500544.3	3733193	4.17E-03	0.00E+00	4.17E-03	7.26E-04
6	500574.3	3733193	3.70E-03	0.00E+00	3.70E-03	6.44E-04
7	500604.3	3733193	3.30E-03	0.00E+00	3.30E-03	5.75E-04
8	500634.3	3733193	2.97E-03	0.00E+00	2.97E-03	5.17E-04
9	500664.3	3733193	2.69E-03	0.00E+00	2.69E-03	4.68E-04
10	500694.3	3733193	2.45E-03	0.00E+00	2.45E-03	4.26E-04
11	500734.3	3733193	2.17E-03	0.00E+00	2.17E-03	3.79E-04
12	500774.3	3733193	1.95E-03	0.00E+00	1.95E-03	3.39E-04
13	500814.3	3733193	1.76E-03	0.00E+00	1.76E-03	3.06E-04
14	500854.3	3733193	1.60E-03	0.00E+00	1.60E-03	2.78E-04
15	500894.3	3733193	1.42E-03	0.00E+00	1.42E-03	2.47E-04
16	500934.3	3733193	1.30E-03	0.00E+00	1.30E-03	2.27E-04
17	500974.3	3733193	1.20E-03	0.00E+00	1.20E-03	2.10E-04
18	501054.3	3733193	1.03E-03	0.00E+00	1.03E-03	1.80E-04
19	501094.3	3733193	9.61E-04	0.00E+00	9.61E-04	1.67E-04
20	501130	3733193	9.05E-04	0.00E+00	9.05E-04	1.58E-04
21	501165.7	3733193	8.54E-04	0.00E+00	8.54E-04	1.49E-04
22	501201.4	3733193	8.05E-04	0.00E+00	8.05E-04	1.40E-04
23	501272.9	3733193	7.24E-04	0.00E+00	7.24E-04	1.26E-04
24	501308.6	3733193	6.86E-04	0.00E+00	6.86E-04	1.20E-04
25	501344.3	3733193	6.53E-04	0.00E+00	6.53E-04	1.14E-04
26	500232.2	3733179	3.13E-02	0.00E+00	3.13E-02	5.45E-03
27	500252.2	3733179	2.53E-02	0.00E+00	2.53E-02	4.41E-03
28	500343.9	3733135	1.24E-02	0.00E+00	1.24E-02	2.16E-03
29	500366	3733141	1.08E-02	0.00E+00	1.08E-02	1.88E-03
30	500362.9	3733128	1.11E-02	0.00E+00	1.11E-02	1.93E-03
31	500385	3733135	9.69E-03	0.00E+00	9.69E-03	1.69E-03
32	500387.1	3733147	9.50E-03	0.00E+00	9.50E-03	1.66E-03
33	500381.9	3733122	9.94E-03	0.00E+00	9.94E-03	1.73E-03
34	500413.4	3733125	8.34E-03	0.00E+00	8.34E-03	1.45E-03
35	500415.4	3733137	8.17E-03	0.00E+00	8.17E-03	1.42E-03
36	500417.4	3733149	8.00E-03	0.00E+00	8.00E-03	1.39E-03
37	500419.3	3733161	7.84E-03	0.00E+00	7.84E-03	1.37E-03
38	500410.3	3733113	8.55E-03	0.00E+00	8.55E-03	1.49E-03
39	500441.9	3733116	7.24E-03	0.00E+00	7.24E-03	1.26E-03
40	500444	3733128	7.09E-03	0.00E+00	7.09E-03	1.24E-03

41	500446	3733141	6.94E-03	0.00E+00	6.94E-03	1.21E-03
42	500448.1	3733154	6.78E-03	0.00E+00	6.78E-03	1.18E-03
43	500450.2	3733166	6.63E-03	0.00E+00	6.63E-03	1.15E-03
44	500452.2	3733179	6.47E-03	0.00E+00	6.47E-03	1.13E-03
45	500438.8	3733103	7.43E-03	0.00E+00	7.43E-03	1.30E-03
46	500470.3	3733106	6.36E-03	0.00E+00	6.36E-03	1.11E-03
47	500472.3	3733118	6.23E-03	0.00E+00	6.23E-03	1.09E-03
48	500474.3	3733131	6.10E-03	0.00E+00	6.10E-03	1.06E-03
49	500476.3	3733143	5.97E-03	0.00E+00	5.97E-03	1.04E-03
50	500478.3	3733155	5.83E-03	0.00E+00	5.83E-03	1.02E-03
51	500480.3	3733167	5.70E-03	0.00E+00	5.70E-03	9.94E-04
52	500482.3	3733180	5.58E-03	0.00E+00	5.58E-03	9.72E-04
53	500467.2	3733094	6.52E-03	0.00E+00	6.52E-03	1.14E-03
54	500498.8	3733097	5.63E-03	0.00E+00	5.63E-03	9.80E-04
55	500500.9	3733109	5.51E-03	0.00E+00	5.51E-03	9.59E-04
56	500502.9	3733122	5.39E-03	0.00E+00	5.39E-03	9.39E-04
57	500505	3733135	5.27E-03	0.00E+00	5.27E-03	9.18E-04
58	500507.1	3733147	5.15E-03	0.00E+00	5.15E-03	8.97E-04
59	500509.1	3733160	5.03E-03	0.00E+00	5.03E-03	8.77E-04
60	500511.2	3733173	4.92E-03	0.00E+00	4.92E-03	8.57E-04
61	500495.7	3733084	5.77E-03	0.00E+00	5.77E-03	1.01E-03
62	500527.3	3733087	5.02E-03	0.00E+00	5.02E-03	8.74E-04
63	500529.4	3733100	4.91E-03	0.00E+00	4.91E-03	8.55E-04
64	500531.5	3733113	4.80E-03	0.00E+00	4.80E-03	8.36E-04
65	500533.7	3733127	4.69E-03	0.00E+00	4.69E-03	8.17E-04
66	500535.8	3733140	4.58E-03	0.00E+00	4.58E-03	7.98E-04
67	500537.9	3733153	4.48E-03	0.00E+00	4.48E-03	7.80E-04
68	500540	3733166	4.37E-03	0.00E+00	4.37E-03	7.62E-04
69	500542.2	3733179	4.27E-03	0.00E+00	4.27E-03	7.45E-04
70	500524.1	3733075	5.15E-03	0.00E+00	5.15E-03	8.97E-04
71	500555.7	3733078	4.50E-03	0.00E+00	4.50E-03	7.85E-04
72	500557.8	3733090	4.41E-03	0.00E+00	4.41E-03	7.68E-04
73	500559.8	3733103	4.32E-03	0.00E+00	4.32E-03	7.52E-04
74	500561.9	3733116	4.22E-03	0.00E+00	4.22E-03	7.36E-04
75	500564	3733128	4.13E-03	0.00E+00	4.13E-03	7.20E-04
76	500566	3733141	4.04E-03	0.00E+00	4.04E-03	7.04E-04
77	500568.1	3733154	3.95E-03	0.00E+00	3.95E-03	6.89E-04
78	500570.2	3733166	3.87E-03	0.00E+00	3.87E-03	6.74E-04
79	500572.2	3733179	3.78E-03	0.00E+00	3.78E-03	6.59E-04
80	500552.6	3733065	4.62E-03	0.00E+00	4.62E-03	8.05E-04
81	500584.2	3733068	4.06E-03	0.00E+00	4.06E-03	7.08E-04
82	500586.3	3733081	3.98E-03	0.00E+00	3.98E-03	6.93E-04
83	500588.4	3733094	3.89E-03	0.00E+00	3.89E-03	6.78E-04
84	500590.5	3733107	3.81E-03	0.00E+00	3.81E-03	6.63E-04
85	500592.6	3733120	3.73E-03	0.00E+00	3.73E-03	6.49E-04
86	500594.8	3733133	3.64E-03	0.00E+00	3.64E-03	6.35E-04
87	500596.9	3733146	3.57E-03	0.00E+00	3.57E-03	6.21E-04

88	500599	3733159	3.49E-03	0.00E+00	3.49E-03	6.08E-04
89	500601.1	3733172	3.41E-03	0.00E+00	3.41E-03	5.95E-04
90	500581	3733056	4.17E-03	0.00E+00	4.17E-03	7.26E-04
91	500612.6	3733059	3.69E-03	0.00E+00	3.69E-03	6.43E-04
92	500614.7	3733071	3.62E-03	0.00E+00	3.62E-03	6.30E-04
93	500616.7	3733084	3.54E-03	0.00E+00	3.54E-03	6.17E-04
94	500618.8	3733097	3.47E-03	0.00E+00	3.47E-03	6.04E-04
95	500620.9	3733109	3.40E-03	0.00E+00	3.40E-03	5.92E-04
96	500622.9	3733122	3.33E-03	0.00E+00	3.33E-03	5.80E-04
97	500625	3733135	3.26E-03	0.00E+00	3.26E-03	5.68E-04
98	500627.1	3733147	3.19E-03	0.00E+00	3.19E-03	5.56E-04
99	500629.1	3733160	3.13E-03	0.00E+00	3.13E-03	5.45E-04
100	500631.2	3733173	3.06E-03	0.00E+00	3.06E-03	5.34E-04
101	500609.5	3733046	3.78E-03	0.00E+00	3.78E-03	6.58E-04
102	500641.1	3733049	3.37E-03	0.00E+00	3.37E-03	5.87E-04
103	500643.2	3733062	3.30E-03	0.00E+00	3.30E-03	5.75E-04
104	500645.3	3733075	3.23E-03	0.00E+00	3.23E-03	5.63E-04
105	500647.4	3733088	3.17E-03	0.00E+00	3.17E-03	5.52E-04
106	500649.5	3733101	3.10E-03	0.00E+00	3.10E-03	5.40E-04
107	500651.6	3733114	3.04E-03	0.00E+00	3.04E-03	5.29E-04
108	500653.7	3733127	2.97E-03	0.00E+00	2.97E-03	5.18E-04
109	500655.8	3733140	2.91E-03	0.00E+00	2.91E-03	5.08E-04
110	500658	3733153	2.86E-03	0.00E+00	2.86E-03	4.98E-04
111	500660.1	3733166	2.80E-03	0.00E+00	2.80E-03	4.88E-04
112	500662.2	3733179	2.74E-03	0.00E+00	2.74E-03	4.78E-04
113	500637.9	3733036	3.45E-03	0.00E+00	3.45E-03	6.01E-04
114	500669.5	3733040	3.09E-03	0.00E+00	3.09E-03	5.38E-04
115	500671.6	3733052	3.03E-03	0.00E+00	3.03E-03	5.27E-04
116	500673.6	3733065	2.97E-03	0.00E+00	2.97E-03	5.17E-04
117	500675.7	3733078	2.91E-03	0.00E+00	2.91E-03	5.07E-04
118	500677.8	3733090	2.85E-03	0.00E+00	2.85E-03	4.97E-04
119	500679.8	3733103	2.80E-03	0.00E+00	2.80E-03	4.88E-04
120	500681.9	3733116	2.74E-03	0.00E+00	2.74E-03	4.78E-04
121	500684	3733128	2.69E-03	0.00E+00	2.69E-03	4.69E-04
122	500686	3733141	2.64E-03	0.00E+00	2.64E-03	4.60E-04
123	500688.1	3733154	2.59E-03	0.00E+00	2.59E-03	4.51E-04
124	500690.2	3733166	2.54E-03	0.00E+00	2.54E-03	4.43E-04
125	500692.2	3733179	2.49E-03	0.00E+00	2.49E-03	4.35E-04
126	500666.4	3733027	3.16E-03	0.00E+00	3.16E-03	5.50E-04
127	500707.4	3733027	2.77E-03	0.00E+00	2.77E-03	4.82E-04
128	500709.5	3733040	2.71E-03	0.00E+00	2.71E-03	4.73E-04
129	500711.6	3733052	2.66E-03	0.00E+00	2.66E-03	4.64E-04
130	500713.6	3733065	2.61E-03	0.00E+00	2.61E-03	4.55E-04
131	500715.7	3733078	2.56E-03	0.00E+00	2.56E-03	4.47E-04
132	500717.8	3733090	2.52E-03	0.00E+00	2.52E-03	4.38E-04
133	500719.8	3733103	2.47E-03	0.00E+00	2.47E-03	4.30E-04
134	500721.9	3733116	2.42E-03	0.00E+00	2.42E-03	4.22E-04

135	500724	3733128	2.38E-03	0.00E+00	2.38E-03	4.14E-04
136	500726	3733141	2.34E-03	0.00E+00	2.34E-03	4.07E-04
137	500728.1	3733154	2.29E-03	0.00E+00	2.29E-03	4.00E-04
138	500730.2	3733166	2.25E-03	0.00E+00	2.25E-03	3.93E-04
139	500732.2	3733179	2.21E-03	0.00E+00	2.21E-03	3.86E-04
140	500704.3	3733014	2.83E-03	0.00E+00	2.83E-03	4.93E-04
141	500745.4	3733014	2.49E-03	0.00E+00	2.49E-03	4.34E-04
142	500747.4	3733027	2.45E-03	0.00E+00	2.45E-03	4.27E-04
143	500749.5	3733040	2.40E-03	0.00E+00	2.40E-03	4.19E-04
144	500751.6	3733052	2.36E-03	0.00E+00	2.36E-03	4.11E-04
145	500753.6	3733065	2.32E-03	0.00E+00	2.32E-03	4.04E-04
146	500755.7	3733078	2.28E-03	0.00E+00	2.28E-03	3.97E-04
147	500757.8	3733090	2.24E-03	0.00E+00	2.24E-03	3.90E-04
148	500759.8	3733103	2.20E-03	0.00E+00	2.20E-03	3.83E-04
149	500761.9	3733116	2.16E-03	0.00E+00	2.16E-03	3.76E-04
150	500764	3733128	2.12E-03	0.00E+00	2.12E-03	3.69E-04
151	500766	3733141	2.08E-03	0.00E+00	2.08E-03	3.63E-04
152	500768.1	3733154	2.05E-03	0.00E+00	2.05E-03	3.57E-04
153	500770.2	3733166	2.01E-03	0.00E+00	2.01E-03	3.51E-04
154	500772.2	3733179	1.98E-03	0.00E+00	1.98E-03	3.45E-04
155	500742.2	3733002	2.55E-03	0.00E+00	2.55E-03	4.44E-04
156	500783.3	3733002	2.26E-03	0.00E+00	2.26E-03	3.94E-04
157	500785.4	3733014	2.22E-03	0.00E+00	2.22E-03	3.87E-04
158	500787.4	3733027	2.18E-03	0.00E+00	2.18E-03	3.81E-04
159	500789.5	3733040	2.15E-03	0.00E+00	2.15E-03	3.74E-04
160	500791.6	3733052	2.11E-03	0.00E+00	2.11E-03	3.68E-04
161	500793.6	3733065	2.07E-03	0.00E+00	2.07E-03	3.61E-04
162	500795.7	3733078	2.04E-03	0.00E+00	2.04E-03	3.55E-04
163	500797.8	3733090	2.00E-03	0.00E+00	2.00E-03	3.49E-04
164	500799.8	3733103	1.97E-03	0.00E+00	1.97E-03	3.43E-04
165	500801.9	3733116	1.94E-03	0.00E+00	1.94E-03	3.37E-04
166	500804	3733128	1.90E-03	0.00E+00	1.90E-03	3.32E-04
167	500806	3733141	1.87E-03	0.00E+00	1.87E-03	3.26E-04
168	500808.1	3733154	1.84E-03	0.00E+00	1.84E-03	3.21E-04
169	500810.2	3733166	1.81E-03	0.00E+00	1.81E-03	3.16E-04
170	500812.2	3733179	1.79E-03	0.00E+00	1.79E-03	3.11E-04
171	500780.2	3732989	2.31E-03	0.00E+00	2.31E-03	4.02E-04
172	500821.2	3732989	2.06E-03	0.00E+00	2.06E-03	3.60E-04
173	500823.3	3733002	2.03E-03	0.00E+00	2.03E-03	3.54E-04
174	500825.4	3733014	2.00E-03	0.00E+00	2.00E-03	3.48E-04
175	500827.4	3733027	1.96E-03	0.00E+00	1.96E-03	3.42E-04
176	500829.5	3733040	1.93E-03	0.00E+00	1.93E-03	3.36E-04
177	500831.6	3733052	1.85E-03	0.00E+00	1.85E-03	3.22E-04
178	500833.6	3733065	1.82E-03	0.00E+00	1.82E-03	3.17E-04
179	500835.7	3733078	1.79E-03	0.00E+00	1.79E-03	3.11E-04
180	500837.8	3733090	1.76E-03	0.00E+00	1.76E-03	3.06E-04
181	500839.8	3733103	1.73E-03	0.00E+00	1.73E-03	3.01E-04

182	500841.9	3733116	1.70E-03	0.00E+00	1.70E-03	2.97E-04
183	500844	3733128	1.68E-03	0.00E+00	1.68E-03	2.92E-04
184	500846	3733141	1.65E-03	0.00E+00	1.65E-03	2.87E-04
185	500848.1	3733154	1.62E-03	0.00E+00	1.62E-03	2.83E-04
186	500850.2	3733166	1.60E-03	0.00E+00	1.60E-03	2.79E-04
187	500852.2	3733179	1.58E-03	0.00E+00	1.58E-03	2.76E-04
188	500818.1	3732976	2.10E-03	0.00E+00	2.10E-03	3.67E-04
189	500859.2	3732976	1.83E-03	0.00E+00	1.83E-03	3.20E-04
190	500861.3	3732989	1.80E-03	0.00E+00	1.80E-03	3.14E-04
191	500863.5	3733002	1.77E-03	0.00E+00	1.77E-03	3.09E-04
192	500865.6	3733016	1.74E-03	0.00E+00	1.74E-03	3.04E-04
193	500867.7	3733029	1.72E-03	0.00E+00	1.72E-03	2.99E-04
194	500869.8	3733042	1.69E-03	0.00E+00	1.69E-03	2.94E-04
195	500872	3733055	1.66E-03	0.00E+00	1.66E-03	2.89E-04
196	500874.1	3733068	1.63E-03	0.00E+00	1.63E-03	2.85E-04
197	500876.2	3733081	1.61E-03	0.00E+00	1.61E-03	2.80E-04
198	500878.3	3733094	1.58E-03	0.00E+00	1.58E-03	2.76E-04
199	500880.5	3733107	1.56E-03	0.00E+00	1.56E-03	2.72E-04
200	500882.6	3733120	1.54E-03	0.00E+00	1.54E-03	2.68E-04
201	500884.7	3733133	1.51E-03	0.00E+00	1.51E-03	2.64E-04
202	500886.8	3733146	1.49E-03	0.00E+00	1.49E-03	2.60E-04
203	500889	3733159	1.47E-03	0.00E+00	1.47E-03	2.56E-04
204	500891.1	3733172	1.45E-03	0.00E+00	1.45E-03	2.53E-04
205	500899.3	3732977	1.66E-03	0.00E+00	1.66E-03	2.90E-04
206	500901.4	3732990	1.64E-03	0.00E+00	1.64E-03	2.85E-04
207	500903.5	3733003	1.61E-03	0.00E+00	1.61E-03	2.80E-04
208	500905.6	3733016	1.58E-03	0.00E+00	1.58E-03	2.76E-04
209	500907.8	3733029	1.56E-03	0.00E+00	1.56E-03	2.72E-04
210	500909.9	3733042	1.54E-03	0.00E+00	1.54E-03	2.68E-04
211	500912	3733055	1.51E-03	0.00E+00	1.51E-03	2.64E-04
212	500914.1	3733068	1.49E-03	0.00E+00	1.49E-03	2.60E-04
213	500916.2	3733081	1.47E-03	0.00E+00	1.47E-03	2.56E-04
214	500918.4	3733094	1.45E-03	0.00E+00	1.45E-03	2.52E-04
215	500920.5	3733107	1.42E-03	0.00E+00	1.42E-03	2.48E-04
216	500922.6	3733120	1.40E-03	0.00E+00	1.40E-03	2.45E-04
217	500924.7	3733133	1.38E-03	0.00E+00	1.38E-03	2.41E-04
218	500926.9	3733146	1.37E-03	0.00E+00	1.37E-03	2.38E-04
219	500929	3733159	1.35E-03	0.00E+00	1.35E-03	2.35E-04
220	500931.1	3733172	1.33E-03	0.00E+00	1.33E-03	2.32E-04
221	500939.3	3732977	1.51E-03	0.00E+00	1.51E-03	2.64E-04
222	500941.4	3732990	1.49E-03	0.00E+00	1.49E-03	2.60E-04
223	500943.6	3733003	1.47E-03	0.00E+00	1.47E-03	2.56E-04
224	500945.7	3733016	1.45E-03	0.00E+00	1.45E-03	2.52E-04
225	500947.8	3733029	1.43E-03	0.00E+00	1.43E-03	2.48E-04
226	500949.9	3733042	1.40E-03	0.00E+00	1.40E-03	2.45E-04
227	500952	3733055	1.38E-03	0.00E+00	1.38E-03	2.41E-04
228	500954.2	3733068	1.36E-03	0.00E+00	1.36E-03	2.38E-04

229	500956.3	3733081	1.35E-03	0.00E+00	1.35E-03	2.34E-04
230	500958.4	3733094	1.33E-03	0.00E+00	1.33E-03	2.31E-04
231	500960.5	3733107	1.31E-03	0.00E+00	1.31E-03	2.28E-04
232	500962.6	3733120	1.29E-03	0.00E+00	1.29E-03	2.25E-04
233	500964.7	3733133	1.27E-03	0.00E+00	1.27E-03	2.22E-04
234	500966.9	3733146	1.26E-03	0.00E+00	1.26E-03	2.19E-04
235	500969	3733159	1.24E-03	0.00E+00	1.24E-03	2.16E-04
236	500971.1	3733172	1.23E-03	0.00E+00	1.23E-03	2.14E-04
237	500979.4	3732977	1.39E-03	0.00E+00	1.39E-03	2.41E-04
238	500981.5	3732990	1.37E-03	0.00E+00	1.37E-03	2.38E-04
239	500983.6	3733003	1.35E-03	0.00E+00	1.35E-03	2.34E-04
240	500985.7	3733016	1.33E-03	0.00E+00	1.33E-03	2.31E-04
241	500987.8	3733029	1.31E-03	0.00E+00	1.31E-03	2.28E-04
242	500989.9	3733042	1.29E-03	0.00E+00	1.29E-03	2.25E-04
243	500992.1	3733055	1.27E-03	0.00E+00	1.27E-03	2.21E-04
244	500994.2	3733068	1.25E-03	0.00E+00	1.25E-03	2.18E-04
245	500996.3	3733081	1.24E-03	0.00E+00	1.24E-03	2.15E-04
246	500998.4	3733094	1.22E-03	0.00E+00	1.22E-03	2.12E-04
247	501000.5	3733107	1.20E-03	0.00E+00	1.20E-03	2.10E-04
248	501002.6	3733120	1.19E-03	0.00E+00	1.19E-03	2.07E-04
249	500969.9	3732925	1.47E-03	0.00E+00	1.47E-03	2.56E-04
250	501021.5	3732991	1.25E-03	0.00E+00	1.25E-03	2.18E-04
251	501023.6	3733004	1.23E-03	0.00E+00	1.23E-03	2.15E-04
252	501025.7	3733016	1.22E-03	0.00E+00	1.22E-03	2.12E-04
253	501027.9	3733029	1.20E-03	0.00E+00	1.20E-03	2.09E-04
254	501030	3733042	1.18E-03	0.00E+00	1.18E-03	2.06E-04
255	501032.1	3733055	1.17E-03	0.00E+00	1.17E-03	2.04E-04
256	501036.3	3733081	1.14E-03	0.00E+00	1.14E-03	1.99E-04
257	501038.4	3733094	1.13E-03	0.00E+00	1.13E-03	1.96E-04
258	501040.5	3733107	1.11E-03	0.00E+00	1.11E-03	1.94E-04
259	501042.7	3733120	1.10E-03	0.00E+00	1.10E-03	1.91E-04
260	501044.8	3733133	1.08E-03	0.00E+00	1.08E-03	1.89E-04
261	501046.9	3733146	1.07E-03	0.00E+00	1.07E-03	1.87E-04
262	501049	3733159	1.06E-03	0.00E+00	1.06E-03	1.85E-04
263	501048.9	3732913	1.25E-03	0.00E+00	1.25E-03	2.18E-04
264	501051	3732926	1.23E-03	0.00E+00	1.23E-03	2.15E-04
265	501053.1	3732939	1.22E-03	0.00E+00	1.22E-03	2.12E-04
266	501057.3	3732965	1.19E-03	0.00E+00	1.19E-03	2.07E-04
267	501059.4	3732978	1.17E-03	0.00E+00	1.17E-03	2.04E-04
268	501061.6	3732991	1.15E-03	0.00E+00	1.15E-03	2.01E-04
269	501072.1	3733056	1.08E-03	0.00E+00	1.08E-03	1.89E-04
270	501076.3	3733082	1.06E-03	0.00E+00	1.06E-03	1.84E-04
271	501078.4	3733095	1.04E-03	0.00E+00	1.04E-03	1.82E-04
272	501080.6	3733107	1.03E-03	0.00E+00	1.03E-03	1.80E-04
273	501084.8	3733133	1.01E-03	0.00E+00	1.01E-03	1.76E-04
274	501086.9	3733146	9.98E-04	0.00E+00	9.98E-04	1.74E-04
275	501089	3733159	9.87E-04	0.00E+00	9.87E-04	1.72E-04

276	501045.7	3732900	1.27E-03	0.00E+00	1.27E-03	2.21E-04
277	501082.7	3732902	1.18E-03	0.00E+00	1.18E-03	2.06E-04
278	501084.8	3732914	1.16E-03	0.00E+00	1.16E-03	2.03E-04
279	501086.9	3732927	1.15E-03	0.00E+00	1.15E-03	2.00E-04
280	501093.2	3732966	1.11E-03	0.00E+00	1.11E-03	1.93E-04
281	501095.3	3732979	1.09E-03	0.00E+00	1.09E-03	1.90E-04
282	501097.4	3732992	1.08E-03	0.00E+00	1.08E-03	1.88E-04
283	501101.6	3733018	1.05E-03	0.00E+00	1.05E-03	1.83E-04
284	501103.7	3733031	1.04E-03	0.00E+00	1.04E-03	1.81E-04
285	501105.8	3733043	1.03E-03	0.00E+00	1.03E-03	1.79E-04
286	501107.9	3733056	1.02E-03	0.00E+00	1.02E-03	1.77E-04
287	501112.1	3733082	9.92E-04	0.00E+00	9.92E-04	1.73E-04
288	501114.2	3733095	9.81E-04	0.00E+00	9.81E-04	1.71E-04
289	501116.3	3733108	9.70E-04	0.00E+00	9.70E-04	1.69E-04
290	501120.5	3733134	9.49E-04	0.00E+00	9.49E-04	1.65E-04
291	501122.6	3733147	9.39E-04	0.00E+00	9.39E-04	1.64E-04
292	501124.7	3733160	9.29E-04	0.00E+00	9.29E-04	1.62E-04
293	501079.6	3732889	1.20E-03	0.00E+00	1.20E-03	2.09E-04
294	501116.6	3732890	1.11E-03	0.00E+00	1.11E-03	1.94E-04
295	501118.7	3732903	1.10E-03	0.00E+00	1.10E-03	1.92E-04
296	501120.8	3732916	1.09E-03	0.00E+00	1.09E-03	1.89E-04
297	501122.9	3732929	1.07E-03	0.00E+00	1.07E-03	1.87E-04
298	501129.1	3732967	1.03E-03	0.00E+00	1.03E-03	1.80E-04
299	501131.2	3732980	1.02E-03	0.00E+00	1.02E-03	1.78E-04
300	501133.3	3732993	1.01E-03	0.00E+00	1.01E-03	1.76E-04
301	501137.5	3733019	9.85E-04	0.00E+00	9.85E-04	1.72E-04
302	501139.6	3733031	9.74E-04	0.00E+00	9.74E-04	1.70E-04
303	501141.7	3733044	9.62E-04	0.00E+00	9.62E-04	1.68E-04
304	501143.8	3733057	9.51E-04	0.00E+00	9.51E-04	1.66E-04
305	501148	3733083	9.30E-04	0.00E+00	9.30E-04	1.62E-04
306	501150	3733096	9.19E-04	0.00E+00	9.19E-04	1.60E-04
307	501152.1	3733108	9.11E-04	0.00E+00	9.11E-04	1.59E-04
308	501156.3	3733134	8.94E-04	0.00E+00	8.94E-04	1.56E-04
309	501158.4	3733147	8.85E-04	0.00E+00	8.85E-04	1.54E-04
310	501160.5	3733160	8.76E-04	0.00E+00	8.76E-04	1.53E-04
311	501162.6	3733173	8.67E-04	0.00E+00	8.67E-04	1.51E-04
312	501113.5	3732877	1.13E-03	0.00E+00	1.13E-03	1.97E-04
313	501150.5	3732879	1.05E-03	0.00E+00	1.05E-03	1.83E-04
314	501152.6	3732892	1.04E-03	0.00E+00	1.04E-03	1.81E-04
315	501154.7	3732905	1.02E-03	0.00E+00	1.02E-03	1.78E-04
316	501156.9	3732918	1.01E-03	0.00E+00	1.01E-03	1.76E-04
317	501159	3732931	9.99E-04	0.00E+00	9.99E-04	1.74E-04
318	501165.4	3732970	9.64E-04	0.00E+00	9.64E-04	1.68E-04
319	501167.5	3732983	9.52E-04	0.00E+00	9.52E-04	1.66E-04
320	501169.6	3732996	9.42E-04	0.00E+00	9.42E-04	1.64E-04
321	501173.8	3733022	9.20E-04	0.00E+00	9.20E-04	1.60E-04
322	501176	3733035	9.10E-04	0.00E+00	9.10E-04	1.59E-04

323	501178.1	3733048	9.00E-04	0.00E+00	9.00E-04	1.57E-04
324	501182.3	3733074	8.81E-04	0.00E+00	8.81E-04	1.53E-04
325	501184.5	3733088	8.72E-04	0.00E+00	8.72E-04	1.52E-04
326	501186.6	3733101	8.63E-04	0.00E+00	8.63E-04	1.50E-04
327	501188.7	3733114	8.54E-04	0.00E+00	8.54E-04	1.49E-04
328	501197.2	3733166	8.20E-04	0.00E+00	8.20E-04	1.43E-04
329	501147.3	3732866	1.07E-03	0.00E+00	1.07E-03	1.86E-04
330	501184.4	3732868	9.94E-04	0.00E+00	9.94E-04	1.73E-04
331	501186.5	3732881	9.82E-04	0.00E+00	9.82E-04	1.71E-04
332	501188.6	3732894	9.71E-04	0.00E+00	9.71E-04	1.69E-04
333	501190.7	3732906	9.60E-04	0.00E+00	9.60E-04	1.67E-04
334	501192.8	3732919	9.49E-04	0.00E+00	9.49E-04	1.65E-04
335	501194.9	3732932	9.38E-04	0.00E+00	9.38E-04	1.63E-04
336	501201.3	3732971	9.06E-04	0.00E+00	9.06E-04	1.58E-04
337	501203.4	3732984	8.96E-04	0.00E+00	8.96E-04	1.56E-04
338	501205.5	3732997	8.86E-04	0.00E+00	8.86E-04	1.54E-04
339	501209.7	3733023	8.67E-04	0.00E+00	8.67E-04	1.51E-04
340	501211.8	3733036	8.58E-04	0.00E+00	8.58E-04	1.50E-04
341	501213.9	3733049	8.49E-04	0.00E+00	8.49E-04	1.48E-04
342	501222.4	3733101	8.15E-04	0.00E+00	8.15E-04	1.42E-04
343	501224.5	3733114	8.07E-04	0.00E+00	8.07E-04	1.41E-04
344	501226.6	3733127	7.99E-04	0.00E+00	7.99E-04	1.39E-04
345	501228.7	3733140	7.92E-04	0.00E+00	7.92E-04	1.38E-04
346	501230.8	3733153	7.84E-04	0.00E+00	7.84E-04	1.37E-04
347	501232.9	3733166	7.77E-04	0.00E+00	7.77E-04	1.35E-04
348	501235	3733179	7.70E-04	0.00E+00	7.70E-04	1.34E-04
349	501181.2	3732855	1.01E-03	0.00E+00	1.01E-03	1.76E-04
350	501218.2	3732856	9.44E-04	0.00E+00	9.44E-04	1.65E-04
351	501220.3	3732869	9.34E-04	0.00E+00	9.34E-04	1.63E-04
352	501222.4	3732882	9.23E-04	0.00E+00	9.23E-04	1.61E-04
353	501224.5	3732895	9.13E-04	0.00E+00	9.13E-04	1.59E-04
354	501226.6	3732908	9.02E-04	0.00E+00	9.02E-04	1.57E-04
355	501228.7	3732921	8.92E-04	0.00E+00	8.92E-04	1.56E-04
356	501230.8	3732934	8.83E-04	0.00E+00	8.83E-04	1.54E-04
357	501239.2	3732985	8.45E-04	0.00E+00	8.45E-04	1.47E-04
358	501241.3	3732998	8.37E-04	0.00E+00	8.37E-04	1.46E-04
359	501243.4	3733011	8.28E-04	0.00E+00	8.28E-04	1.44E-04
360	501245.5	3733024	8.19E-04	0.00E+00	8.19E-04	1.43E-04
361	501247.6	3733037	8.11E-04	0.00E+00	8.11E-04	1.41E-04
362	501249.7	3733050	8.03E-04	0.00E+00	8.03E-04	1.40E-04
363	501251.8	3733063	7.95E-04	0.00E+00	7.95E-04	1.39E-04
364	501258.1	3733101	7.72E-04	0.00E+00	7.72E-04	1.35E-04
365	501260.3	3733114	7.65E-04	0.00E+00	7.65E-04	1.33E-04
366	501266.6	3733153	7.44E-04	0.00E+00	7.44E-04	1.30E-04
367	501268.7	3733166	7.37E-04	0.00E+00	7.37E-04	1.28E-04
368	501270.8	3733179	7.31E-04	0.00E+00	7.31E-04	1.27E-04
369	501215.1	3732843	9.57E-04	0.00E+00	9.57E-04	1.67E-04

370	501252.1	3732845	8.98E-04	0.00E+00	8.98E-04	1.57E-04
371	501254.2	3732858	8.89E-04	0.00E+00	8.89E-04	1.55E-04
372	501256.3	3732871	8.79E-04	0.00E+00	8.79E-04	1.53E-04
373	501258.4	3732883	8.69E-04	0.00E+00	8.69E-04	1.51E-04
374	501260.5	3732896	8.60E-04	0.00E+00	8.60E-04	1.50E-04
375	501262.6	3732909	8.51E-04	0.00E+00	8.51E-04	1.48E-04
376	501264.6	3732922	8.42E-04	0.00E+00	8.42E-04	1.47E-04
377	501266.7	3732935	8.33E-04	0.00E+00	8.33E-04	1.45E-04
378	501270.9	3732961	8.16E-04	0.00E+00	8.16E-04	1.42E-04
379	501273	3732973	8.07E-04	0.00E+00	8.07E-04	1.41E-04
380	501275.1	3732986	7.99E-04	0.00E+00	7.99E-04	1.39E-04
381	501277.2	3732999	7.91E-04	0.00E+00	7.91E-04	1.38E-04
382	501291.8	3733089	7.39E-04	0.00E+00	7.39E-04	1.29E-04
383	501293.9	3733102	7.33E-04	0.00E+00	7.33E-04	1.28E-04
384	501296	3733115	7.26E-04	0.00E+00	7.26E-04	1.27E-04
385	501298.1	3733128	7.19E-04	0.00E+00	7.19E-04	1.25E-04
386	501300.2	3733140	7.12E-04	0.00E+00	7.12E-04	1.24E-04
387	501302.3	3733153	7.05E-04	0.00E+00	7.05E-04	1.23E-04
388	501304.4	3733166	6.99E-04	0.00E+00	6.99E-04	1.22E-04
389	501306.5	3733179	6.92E-04	0.00E+00	6.92E-04	1.21E-04
390	501249	3732832	9.10E-04	0.00E+00	9.10E-04	1.59E-04
391	501286	3732834	8.55E-04	0.00E+00	8.55E-04	1.49E-04
392	501288.1	3732847	8.46E-04	0.00E+00	8.46E-04	1.47E-04
393	501290.2	3732860	8.37E-04	0.00E+00	8.37E-04	1.46E-04
394	501292.3	3732873	8.29E-04	0.00E+00	8.29E-04	1.44E-04
395	501294.5	3732886	8.20E-04	0.00E+00	8.20E-04	1.43E-04
396	501296.6	3732899	8.11E-04	0.00E+00	8.11E-04	1.41E-04
397	501298.7	3732912	8.03E-04	0.00E+00	8.03E-04	1.40E-04
398	501300.8	3732925	7.94E-04	0.00E+00	7.94E-04	1.38E-04
399	501302.9	3732938	7.86E-04	0.00E+00	7.86E-04	1.37E-04
400	501307.2	3732964	7.71E-04	0.00E+00	7.71E-04	1.34E-04
401	501309.3	3732977	7.63E-04	0.00E+00	7.63E-04	1.33E-04
402	501311.4	3732990	7.55E-04	0.00E+00	7.55E-04	1.32E-04
403	501313.5	3733003	7.48E-04	0.00E+00	7.48E-04	1.30E-04
404	501315.7	3733016	7.40E-04	0.00E+00	7.40E-04	1.29E-04
405	501317.8	3733029	7.33E-04	0.00E+00	7.33E-04	1.28E-04
406	501319.9	3733042	7.26E-04	0.00E+00	7.26E-04	1.26E-04
407	501322	3733055	7.19E-04	0.00E+00	7.19E-04	1.25E-04
408	501324.1	3733068	7.12E-04	0.00E+00	7.12E-04	1.24E-04
409	501326.3	3733081	7.05E-04	0.00E+00	7.05E-04	1.23E-04
410	501328.4	3733094	6.99E-04	0.00E+00	6.99E-04	1.22E-04
411	501330.5	3733107	6.92E-04	0.00E+00	6.92E-04	1.21E-04
412	501332.6	3733120	6.86E-04	0.00E+00	6.86E-04	1.20E-04
413	501334.7	3733133	6.80E-04	0.00E+00	6.80E-04	1.18E-04
414	501336.9	3733146	6.73E-04	0.00E+00	6.73E-04	1.17E-04
415	501339	3733159	6.68E-04	0.00E+00	6.68E-04	1.16E-04
416	501341.1	3733172	6.62E-04	0.00E+00	6.62E-04	1.15E-04

417	501282.8	3732821	8.66E-04	0.00E+00	8.66E-04	1.51E-04
418	500229.2	3733169	3.19E-02	0.00E+00	3.19E-02	5.55E-03
419	501024.7	3732970	1.26E-03	0.00E+00	1.26E-03	2.20E-04
420	501201.7	3732924	9.32E-04	0.00E+00	9.32E-04	1.62E-04
421	501236.3	3732915	8.85E-04	0.00E+00	8.85E-04	1.54E-04
422	501269.1	3732899	8.47E-04	0.00E+00	8.47E-04	1.47E-04
423	501303.7	3732890	8.06E-04	0.00E+00	8.06E-04	1.40E-04
424	500342	3733120	1.26E-02	0.00E+00	1.26E-02	2.19E-03
425	500361.7	3733117	1.12E-02	0.00E+00	1.12E-02	1.95E-03
426	500915.8	3733034	1.52E-03	0.00E+00	1.52E-03	2.66E-04
427	500956.6	3733035	1.39E-03	0.00E+00	1.39E-03	2.42E-04
428	500994.6	3733020	1.30E-03	0.00E+00	1.30E-03	2.26E-04
429	501035.4	3733021	1.19E-03	0.00E+00	1.19E-03	2.07E-04
430	501032.5	3733005	1.21E-03	0.00E+00	1.21E-03	2.11E-04
431	501071.9	3732998	1.13E-03	0.00E+00	1.13E-03	1.96E-04
432	501107.1	3732992	1.06E-03	0.00E+00	1.06E-03	1.85E-04
433	501142.2	3732986	9.97E-04	0.00E+00	9.97E-04	1.74E-04
434	501180.2	3732995	9.25E-04	0.00E+00	9.25E-04	1.61E-04
435	501177.4	3732979	9.39E-04	0.00E+00	9.39E-04	1.64E-04
436	501215.4	3732989	8.76E-04	0.00E+00	8.76E-04	1.53E-04
437	501212.5	3732973	8.89E-04	0.00E+00	8.89E-04	1.55E-04
438	501250.6	3732983	8.32E-04	0.00E+00	8.32E-04	1.45E-04
439	501247.7	3732967	8.43E-04	0.00E+00	8.43E-04	1.47E-04
440	501285.7	3732977	7.91E-04	0.00E+00	7.91E-04	1.38E-04
441	501282.9	3732960	8.01E-04	0.00E+00	8.01E-04	1.40E-04
442	501320.9	3732970	7.51E-04	0.00E+00	7.51E-04	1.31E-04
443	500323.8	3733120	1.41E-02	0.00E+00	1.41E-02	2.46E-03
444	500440.7	3733164	6.97E-03	0.00E+00	6.97E-03	1.22E-03
445	500470.4	3733168	5.98E-03	0.00E+00	5.98E-03	1.04E-03
446	500500	3733173	5.17E-03	0.00E+00	5.17E-03	9.01E-04
447	500529.7	3733178	4.51E-03	0.00E+00	4.51E-03	7.86E-04
448	500559.3	3733182	3.97E-03	0.00E+00	3.97E-03	6.91E-04
449	500562.6	3733161	4.01E-03	0.00E+00	4.01E-03	6.98E-04
450	500589	3733187	3.52E-03	0.00E+00	3.52E-03	6.13E-04
451	500591.2	3733173	3.54E-03	0.00E+00	3.54E-03	6.17E-04
452	500618.6	3733191	3.14E-03	0.00E+00	3.14E-03	5.47E-04
453	500620.8	3733177	3.16E-03	0.00E+00	3.16E-03	5.51E-04
454	500648.3	3733196	2.82E-03	0.00E+00	2.82E-03	4.92E-04
455	500650.5	3733182	2.84E-03	0.00E+00	2.84E-03	4.95E-04
456	500677.9	3733201	2.56E-03	0.00E+00	2.56E-03	4.45E-04
457	500680.1	3733186	2.57E-03	0.00E+00	2.57E-03	4.48E-04
458	500717.4	3733207	2.26E-03	0.00E+00	2.26E-03	3.93E-04
459	500719.6	3733193	2.27E-03	0.00E+00	2.27E-03	3.95E-04
460	500757	3733213	2.01E-03	0.00E+00	2.01E-03	3.50E-04
461	500759.2	3733199	2.02E-03	0.00E+00	2.02E-03	3.52E-04
462	500796.5	3733219	1.80E-03	0.00E+00	1.80E-03	3.14E-04
463	500798.7	3733205	1.81E-03	0.00E+00	1.81E-03	3.16E-04

464	500836	3733225	1.59E-03	0.00E+00	1.59E-03	2.78E-04
465	500838.2	3733211	1.64E-03	0.00E+00	1.64E-03	2.85E-04
466	500875.5	3733231	1.45E-03	0.00E+00	1.45E-03	2.52E-04
467	500877.8	3733217	1.45E-03	0.00E+00	1.45E-03	2.53E-04
468	500915.1	3733237	1.32E-03	0.00E+00	1.32E-03	2.30E-04
469	500917.3	3733223	1.33E-03	0.00E+00	1.33E-03	2.31E-04
470	500954.6	3733244	1.22E-03	0.00E+00	1.22E-03	2.12E-04
471	500956.8	3733229	1.22E-03	0.00E+00	1.22E-03	2.13E-04
472	500994.1	3733250	1.12E-03	0.00E+00	1.12E-03	1.96E-04
473	500996.3	3733235	1.13E-03	0.00E+00	1.13E-03	1.96E-04
474	501033.6	3733256	1.04E-03	0.00E+00	1.04E-03	1.81E-04
475	501035.9	3733242	1.04E-03	0.00E+00	1.04E-03	1.82E-04
476	501108.5	3733267	9.08E-04	0.00E+00	9.08E-04	1.58E-04
477	501110.7	3733253	9.09E-04	0.00E+00	9.09E-04	1.58E-04
478	501143.8	3733273	8.53E-04	0.00E+00	8.53E-04	1.49E-04
479	501146	3733259	8.56E-04	0.00E+00	8.56E-04	1.49E-04
480	501214.3	3733284	7.61E-04	0.00E+00	7.61E-04	1.33E-04
481	501216.6	3733270	7.62E-04	0.00E+00	7.62E-04	1.33E-04
482	501251.8	3733275	7.22E-04	0.00E+00	7.22E-04	1.26E-04
483	501287.1	3733281	6.85E-04	0.00E+00	6.85E-04	1.19E-04
484	501320.2	3733300	6.49E-04	0.00E+00	6.49E-04	1.13E-04
485	500184.2	3733058	3.65E-02	0.00E+00	3.65E-02	6.37E-03
486	500175.1	3733054	3.83E-02	0.00E+00	3.83E-02	6.67E-03
487	500166	3733051	3.97E-02	0.00E+00	3.97E-02	6.93E-03
488	500156.8	3733047	4.09E-02	0.00E+00	4.09E-02	7.13E-03
489	500147.7	3733043	4.18E-02	0.00E+00	4.18E-02	7.28E-03
490	500138.6	3733039	4.25E-02	0.00E+00	4.25E-02	7.40E-03
491	500129.5	3733035	4.30E-02	0.00E+00	4.30E-02	7.48E-03
492	500120.3	3733032	4.33E-02	0.00E+00	4.33E-02	7.55E-03
493	500111.2	3733028	4.35E-02	0.00E+00	4.35E-02	7.58E-03
494	500102.1	3733024	4.36E-02	0.00E+00	4.36E-02	7.60E-03
495	500093	3733020	4.37E-02	0.00E+00	4.37E-02	7.61E-03
496	500083.8	3733016	4.36E-02	0.00E+00	4.36E-02	7.60E-03
497	500074.7	3733013	4.34E-02	0.00E+00	4.34E-02	7.57E-03
498	500065.6	3733009	4.32E-02	0.00E+00	4.32E-02	7.53E-03
499	500056.5	3733005	4.29E-02	0.00E+00	4.29E-02	7.48E-03
500	500047.3	3733001	4.26E-02	0.00E+00	4.26E-02	7.42E-03
501	500038.2	3732997	4.21E-02	0.00E+00	4.21E-02	7.34E-03
502	500029.1	3732994	4.16E-02	0.00E+00	4.16E-02	7.25E-03
503	500020	3732990	4.10E-02	0.00E+00	4.10E-02	7.15E-03
504	500010.8	3732986	4.04E-02	0.00E+00	4.04E-02	7.04E-03
505	500001.7	3732982	3.97E-02	0.00E+00	3.97E-02	6.91E-03
506	499992.6	3732978	3.89E-02	0.00E+00	3.89E-02	6.77E-03
507	499983.5	3732975	3.79E-02	0.00E+00	3.79E-02	6.61E-03
508	499974.3	3732971	3.70E-02	0.00E+00	3.70E-02	6.44E-03
509	499965.2	3732967	3.58E-02	0.00E+00	3.58E-02	6.25E-03
510	500224.8	3733060	2.67E-02	0.00E+00	2.67E-02	4.64E-03

511	500232.1	3733067	2.56E-02	0.00E+00	2.56E-02	4.46E-03
512	500241.2	3733083	2.46E-02	0.00E+00	2.46E-02	4.28E-03
513	500191.9	3733040	3.14E-02	0.00E+00	3.14E-02	5.46E-03
514	500182.8	3733036	3.26E-02	0.00E+00	3.26E-02	5.68E-03
515	500173.6	3733032	3.37E-02	0.00E+00	3.37E-02	5.86E-03
516	500164.5	3733028	3.45E-02	0.00E+00	3.45E-02	6.02E-03
517	500155.4	3733024	3.53E-02	0.00E+00	3.53E-02	6.15E-03
518	500146.3	3733021	3.58E-02	0.00E+00	3.58E-02	6.25E-03
519	500137.1	3733017	3.63E-02	0.00E+00	3.63E-02	6.32E-03
520	500128	3733013	3.66E-02	0.00E+00	3.66E-02	6.37E-03
521	500118.9	3733009	3.68E-02	0.00E+00	3.68E-02	6.41E-03
522	500109.8	3733006	3.69E-02	0.00E+00	3.69E-02	6.43E-03
523	500100.6	3733002	3.69E-02	0.00E+00	3.69E-02	6.43E-03
524	500091.5	3732998	3.69E-02	0.00E+00	3.69E-02	6.42E-03
525	500082.4	3732994	3.67E-02	0.00E+00	3.67E-02	6.40E-03
526	500073.3	3732990	3.65E-02	0.00E+00	3.65E-02	6.37E-03
527	500064.1	3732987	3.63E-02	0.00E+00	3.63E-02	6.32E-03
528	500055	3732983	3.59E-02	0.00E+00	3.59E-02	6.26E-03
529	500045.9	3732979	3.56E-02	0.00E+00	3.56E-02	6.20E-03
530	500036.8	3732975	3.51E-02	0.00E+00	3.51E-02	6.12E-03
531	500027.6	3732971	3.46E-02	0.00E+00	3.46E-02	6.03E-03
532	500018.5	3732968	3.40E-02	0.00E+00	3.40E-02	5.92E-03
533	500009.4	3732964	3.33E-02	0.00E+00	3.33E-02	5.81E-03
534	500000.2	3732960	3.26E-02	0.00E+00	3.26E-02	5.68E-03
535	499991.1	3732956	3.18E-02	0.00E+00	3.18E-02	5.54E-03
536	499982	3732952	3.09E-02	0.00E+00	3.09E-02	5.39E-03
537	499927.2	3732930	2.36E-02	0.00E+00	2.36E-02	4.10E-03
538	499918.1	3732926	2.20E-02	0.00E+00	2.20E-02	3.83E-03
539	499909	3732922	2.03E-02	0.00E+00	2.03E-02	3.55E-03
540	499899.9	3732918	1.87E-02	0.00E+00	1.87E-02	3.26E-03
541	499890.7	3732915	1.71E-02	0.00E+00	1.71E-02	2.98E-03
542	499881.6	3732911	1.56E-02	0.00E+00	1.56E-02	2.72E-03
543	499872.5	3732907	1.42E-02	0.00E+00	1.42E-02	2.48E-03
544	500224.3	3733035	2.49E-02	0.00E+00	2.49E-02	4.34E-03
545	500237.4	3733046	2.36E-02	0.00E+00	2.36E-02	4.10E-03
546	500250.4	3733058	2.20E-02	0.00E+00	2.20E-02	3.84E-03
547	500258.4	3733072	2.13E-02	0.00E+00	2.13E-02	3.71E-03
548	500261.5	3733089	2.13E-02	0.00E+00	2.13E-02	3.70E-03
549	500190.4	3733017	2.85E-02	0.00E+00	2.85E-02	4.97E-03
550	500181.3	3733014	2.93E-02	0.00E+00	2.93E-02	5.11E-03
551	500172.2	3733010	3.01E-02	0.00E+00	3.01E-02	5.24E-03
552	500163.1	3733006	3.06E-02	0.00E+00	3.06E-02	5.34E-03
553	500153.9	3733002	3.11E-02	0.00E+00	3.11E-02	5.42E-03
554	500144.8	3732998	3.15E-02	0.00E+00	3.15E-02	5.49E-03
555	500135.7	3732995	3.18E-02	0.00E+00	3.18E-02	5.53E-03
556	500126.6	3732991	3.19E-02	0.00E+00	3.19E-02	5.57E-03
557	500117.4	3732987	3.20E-02	0.00E+00	3.20E-02	5.58E-03

558	500108.3	3732983	3.21E-02	0.00E+00	3.21E-02	5.59E-03
559	500099.2	3732979	3.20E-02	0.00E+00	3.20E-02	5.58E-03
560	500090.1	3732976	3.19E-02	0.00E+00	3.19E-02	5.56E-03
561	500080.9	3732972	3.17E-02	0.00E+00	3.17E-02	5.53E-03
562	500071.8	3732968	3.15E-02	0.00E+00	3.15E-02	5.49E-03
563	500062.7	3732964	3.12E-02	0.00E+00	3.12E-02	5.43E-03
564	500053.6	3732961	3.08E-02	0.00E+00	3.08E-02	5.37E-03
565	500044.4	3732957	3.04E-02	0.00E+00	3.04E-02	5.30E-03
566	500035.3	3732953	3.00E-02	0.00E+00	3.00E-02	5.22E-03
567	499989.7	3732934	2.67E-02	0.00E+00	2.67E-02	4.65E-03
568	499980.5	3732930	2.58E-02	0.00E+00	2.58E-02	4.50E-03
569	499971.4	3732926	2.49E-02	0.00E+00	2.49E-02	4.34E-03
570	499962.3	3732923	2.39E-02	0.00E+00	2.39E-02	4.16E-03
571	499953.2	3732919	2.28E-02	0.00E+00	2.28E-02	3.98E-03
572	499944	3732915	2.17E-02	0.00E+00	2.17E-02	3.78E-03
573	499934.9	3732911	2.05E-02	0.00E+00	2.05E-02	3.57E-03
574	499925.8	3732907	1.92E-02	0.00E+00	1.92E-02	3.35E-03
575	499916.7	3732904	1.80E-02	0.00E+00	1.80E-02	3.13E-03
576	499907.5	3732900	1.67E-02	0.00E+00	1.67E-02	2.91E-03
577	499898.4	3732896	1.55E-02	0.00E+00	1.55E-02	2.69E-03
578	499889.3	3732892	1.43E-02	0.00E+00	1.43E-02	2.49E-03
579	499880.2	3732888	1.32E-02	0.00E+00	1.32E-02	2.30E-03
580	500232.5	3733016	2.26E-02	0.00E+00	2.26E-02	3.93E-03
581	500239.5	3733023	2.20E-02	0.00E+00	2.20E-02	3.84E-03
582	500246.4	3733029	2.14E-02	0.00E+00	2.14E-02	3.73E-03
583	500253.4	3733035	2.08E-02	0.00E+00	2.08E-02	3.62E-03
584	500260.4	3733041	2.01E-02	0.00E+00	2.01E-02	3.50E-03
585	500267.4	3733047	1.94E-02	0.00E+00	1.94E-02	3.39E-03
586	500276	3733063	1.87E-02	0.00E+00	1.87E-02	3.27E-03
587	500277.7	3733072	1.87E-02	0.00E+00	1.87E-02	3.26E-03
588	500279.3	3733081	1.87E-02	0.00E+00	1.87E-02	3.25E-03
589	500281	3733090	1.86E-02	0.00E+00	1.86E-02	3.24E-03
590	500282.6	3733100	1.85E-02	0.00E+00	1.85E-02	3.22E-03
591	500284.3	3733109	1.84E-02	0.00E+00	1.84E-02	3.20E-03
592	500225.5	3733010	2.30E-02	0.00E+00	2.30E-02	4.01E-03
593	500189	3732995	2.61E-02	0.00E+00	2.61E-02	4.54E-03
594	500179.9	3732991	2.66E-02	0.00E+00	2.66E-02	4.64E-03
595	500170.7	3732988	2.71E-02	0.00E+00	2.71E-02	4.73E-03
596	500161.6	3732984	2.75E-02	0.00E+00	2.75E-02	4.80E-03
597	500152.5	3732980	2.78E-02	0.00E+00	2.78E-02	4.85E-03
598	500143.4	3732976	2.81E-02	0.00E+00	2.81E-02	4.89E-03
599	500134.2	3732972	2.82E-02	0.00E+00	2.82E-02	4.92E-03
600	500125.1	3732969	2.83E-02	0.00E+00	2.83E-02	4.93E-03
601	500116	3732965	2.83E-02	0.00E+00	2.83E-02	4.94E-03
602	500106.9	3732961	2.83E-02	0.00E+00	2.83E-02	4.93E-03
603	500097.7	3732957	2.82E-02	0.00E+00	2.82E-02	4.91E-03
604	500088.6	3732953	2.80E-02	0.00E+00	2.80E-02	4.88E-03

605	500033.8	3732931	2.59E-02	0.00E+00	2.59E-02	4.52E-03
606	500024.7	3732927	2.54E-02	0.00E+00	2.54E-02	4.43E-03
607	500015.6	3732923	2.48E-02	0.00E+00	2.48E-02	4.32E-03
608	500006.5	3732919	2.42E-02	0.00E+00	2.42E-02	4.21E-03
609	499997.3	3732915	2.35E-02	0.00E+00	2.35E-02	4.09E-03
610	499988.2	3732912	2.27E-02	0.00E+00	2.27E-02	3.96E-03
611	499979.1	3732908	2.19E-02	0.00E+00	2.19E-02	3.82E-03
612	499970	3732904	2.11E-02	0.00E+00	2.11E-02	3.67E-03
613	499960.8	3732900	2.01E-02	0.00E+00	2.01E-02	3.51E-03
614	499951.7	3732897	1.92E-02	0.00E+00	1.92E-02	3.34E-03
615	499942.6	3732893	1.82E-02	0.00E+00	1.82E-02	3.17E-03
616	499933.5	3732889	1.72E-02	0.00E+00	1.72E-02	2.99E-03
617	499924.3	3732885	1.62E-02	0.00E+00	1.62E-02	2.82E-03
618	499915.2	3732881	1.51E-02	0.00E+00	1.51E-02	2.64E-03
619	499906.1	3732878	1.41E-02	0.00E+00	1.41E-02	2.46E-03
620	499897	3732874	1.32E-02	0.00E+00	1.32E-02	2.30E-03
621	499887.8	3732870	1.23E-02	0.00E+00	1.23E-02	2.14E-03
622	500240.5	3732998	2.06E-02	0.00E+00	2.06E-02	3.59E-03
623	500247.8	3733005	2.02E-02	0.00E+00	2.02E-02	3.51E-03
624	500255.1	3733011	1.97E-02	0.00E+00	1.97E-02	3.42E-03
625	500262.5	3733018	1.91E-02	0.00E+00	1.91E-02	3.33E-03
626	500269.8	3733024	1.85E-02	0.00E+00	1.85E-02	3.23E-03
627	500277.1	3733031	1.79E-02	0.00E+00	1.79E-02	3.13E-03
628	500284.4	3733037	1.73E-02	0.00E+00	1.73E-02	3.02E-03
629	500293.5	3733054	1.67E-02	0.00E+00	1.67E-02	2.91E-03
630	500295.3	3733063	1.66E-02	0.00E+00	1.66E-02	2.90E-03
631	500297	3733073	1.65E-02	0.00E+00	1.65E-02	2.88E-03
632	500298.7	3733082	1.65E-02	0.00E+00	1.65E-02	2.87E-03
633	500300.5	3733092	1.63E-02	0.00E+00	1.63E-02	2.85E-03
634	500302.2	3733102	1.62E-02	0.00E+00	1.62E-02	2.83E-03
635	500304	3733111	1.61E-02	0.00E+00	1.61E-02	2.80E-03
636	500233.2	3732992	2.10E-02	0.00E+00	2.10E-02	3.66E-03
637	500224	3732988	2.17E-02	0.00E+00	2.17E-02	3.78E-03
638	500187.5	3732973	2.39E-02	0.00E+00	2.39E-02	4.17E-03
639	500178.4	3732969	2.43E-02	0.00E+00	2.43E-02	4.24E-03
640	500169.3	3732965	2.46E-02	0.00E+00	2.46E-02	4.29E-03
641	500160.2	3732961	2.49E-02	0.00E+00	2.49E-02	4.34E-03
642	500151	3732958	2.51E-02	0.00E+00	2.51E-02	4.38E-03
643	500141.9	3732954	2.53E-02	0.00E+00	2.53E-02	4.40E-03
644	500087.2	3732931	2.49E-02	0.00E+00	2.49E-02	4.33E-03
645	500078	3732927	2.46E-02	0.00E+00	2.46E-02	4.29E-03
646	500068.9	3732924	2.43E-02	0.00E+00	2.43E-02	4.24E-03
647	500059.8	3732920	2.40E-02	0.00E+00	2.40E-02	4.18E-03
648	500050.6	3732916	2.36E-02	0.00E+00	2.36E-02	4.11E-03
649	500041.5	3732912	2.32E-02	0.00E+00	2.32E-02	4.04E-03
650	500032.4	3732908	2.27E-02	0.00E+00	2.27E-02	3.95E-03
651	500023.3	3732905	2.22E-02	0.00E+00	2.22E-02	3.86E-03

652	500014.1	3732901	2.16E-02	0.00E+00	2.16E-02	3.76E-03
653	500005	3732897	2.10E-02	0.00E+00	2.10E-02	3.65E-03
654	499995.9	3732893	2.03E-02	0.00E+00	2.03E-02	3.54E-03
655	499986.8	3732889	1.96E-02	0.00E+00	1.96E-02	3.42E-03
656	499977.6	3732886	1.89E-02	0.00E+00	1.89E-02	3.29E-03
657	499968.5	3732882	1.81E-02	0.00E+00	1.81E-02	3.15E-03
658	499959.4	3732878	1.73E-02	0.00E+00	1.73E-02	3.01E-03
659	499950.3	3732874	1.64E-02	0.00E+00	1.64E-02	2.86E-03
660	499941.1	3732870	1.56E-02	0.00E+00	1.56E-02	2.72E-03
661	499932	3732867	1.47E-02	0.00E+00	1.47E-02	2.57E-03
662	499922.9	3732863	1.39E-02	0.00E+00	1.39E-02	2.42E-03
663	499913.8	3732859	1.31E-02	0.00E+00	1.31E-02	2.28E-03
664	499904.6	3732855	1.23E-02	0.00E+00	1.23E-02	2.14E-03
665	499895.5	3732852	1.15E-02	0.00E+00	1.15E-02	2.00E-03
666	500247.7	3732979	1.90E-02	0.00E+00	1.90E-02	3.31E-03
667	500254.5	3732985	1.87E-02	0.00E+00	1.87E-02	3.25E-03
668	500261.4	3732992	1.83E-02	0.00E+00	1.83E-02	3.19E-03
669	500268.2	3732998	1.79E-02	0.00E+00	1.79E-02	3.11E-03
670	500275	3733004	1.74E-02	0.00E+00	1.74E-02	3.04E-03
671	500281.9	3733010	1.70E-02	0.00E+00	1.70E-02	2.96E-03
672	500288.7	3733016	1.65E-02	0.00E+00	1.65E-02	2.88E-03
673	500295.5	3733022	1.60E-02	0.00E+00	1.60E-02	2.79E-03
674	500302.4	3733028	1.55E-02	0.00E+00	1.55E-02	2.70E-03
675	500310.8	3733043	1.50E-02	0.00E+00	1.50E-02	2.61E-03
676	500312.5	3733052	1.49E-02	0.00E+00	1.49E-02	2.60E-03
677	500314.1	3733061	1.48E-02	0.00E+00	1.48E-02	2.58E-03
678	500315.7	3733070	1.47E-02	0.00E+00	1.47E-02	2.57E-03
679	500317.3	3733079	1.46E-02	0.00E+00	1.46E-02	2.55E-03
680	500319	3733088	1.45E-02	0.00E+00	1.45E-02	2.53E-03
681	500320.6	3733097	1.44E-02	0.00E+00	1.44E-02	2.51E-03
682	500322.2	3733106	1.43E-02	0.00E+00	1.43E-02	2.49E-03
683	500240.8	3732973	1.93E-02	0.00E+00	1.93E-02	3.36E-03
684	500231.7	3732970	1.99E-02	0.00E+00	1.99E-02	3.46E-03
685	500222.6	3732966	2.04E-02	0.00E+00	2.04E-02	3.55E-03
686	500140.5	3732932	2.29E-02	0.00E+00	2.29E-02	3.99E-03
687	500131.3	3732928	2.29E-02	0.00E+00	2.29E-02	3.99E-03
688	500122.2	3732924	2.29E-02	0.00E+00	2.29E-02	3.98E-03
689	500113.1	3732920	2.28E-02	0.00E+00	2.28E-02	3.97E-03
690	500103.9	3732916	2.26E-02	0.00E+00	2.26E-02	3.94E-03
691	500094.8	3732913	2.24E-02	0.00E+00	2.24E-02	3.91E-03
692	500085.7	3732909	2.22E-02	0.00E+00	2.22E-02	3.87E-03
693	500076.6	3732905	2.20E-02	0.00E+00	2.20E-02	3.83E-03
694	500067.4	3732901	2.16E-02	0.00E+00	2.16E-02	3.77E-03
695	500058.3	3732898	2.13E-02	0.00E+00	2.13E-02	3.71E-03
696	500049.2	3732894	2.09E-02	0.00E+00	2.09E-02	3.64E-03
697	500040.1	3732890	2.05E-02	0.00E+00	2.05E-02	3.57E-03
698	500030.9	3732886	2.00E-02	0.00E+00	2.00E-02	3.48E-03

699	500021.8	3732882	1.95E-02	0.00E+00	1.95E-02	3.40E-03
700	500012.7	3732879	1.89E-02	0.00E+00	1.89E-02	3.30E-03
701	500003.6	3732875	1.84E-02	0.00E+00	1.84E-02	3.20E-03
702	499994.4	3732871	1.77E-02	0.00E+00	1.77E-02	3.09E-03
703	499985.3	3732867	1.71E-02	0.00E+00	1.71E-02	2.98E-03
704	499976.2	3732863	1.64E-02	0.00E+00	1.64E-02	2.86E-03
705	499967.1	3732860	1.57E-02	0.00E+00	1.57E-02	2.74E-03
706	499957.9	3732856	1.50E-02	0.00E+00	1.50E-02	2.61E-03
707	499948.8	3732852	1.43E-02	0.00E+00	1.43E-02	2.49E-03
708	499939.7	3732848	1.36E-02	0.00E+00	1.36E-02	2.36E-03
709	499930.6	3732844	1.28E-02	0.00E+00	1.28E-02	2.24E-03
710	499921.4	3732841	1.21E-02	0.00E+00	1.21E-02	2.12E-03
711	499912.3	3732837	1.15E-02	0.00E+00	1.15E-02	2.00E-03
712	499903.2	3732833	1.08E-02	0.00E+00	1.08E-02	1.88E-03
713	500255.6	3732961	1.76E-02	0.00E+00	1.76E-02	3.06E-03
714	500262.7	3732967	1.73E-02	0.00E+00	1.73E-02	3.01E-03
715	500269.8	3732974	1.69E-02	0.00E+00	1.69E-02	2.95E-03
716	500276.9	3732980	1.66E-02	0.00E+00	1.66E-02	2.89E-03
717	500284	3732986	1.62E-02	0.00E+00	1.62E-02	2.82E-03
718	500291.1	3732993	1.58E-02	0.00E+00	1.58E-02	2.75E-03
719	500298.2	3732999	1.54E-02	0.00E+00	1.54E-02	2.68E-03
720	500305.3	3733005	1.49E-02	0.00E+00	1.49E-02	2.60E-03
721	500312.4	3733012	1.45E-02	0.00E+00	1.45E-02	2.52E-03
722	500319.5	3733018	1.40E-02	0.00E+00	1.40E-02	2.44E-03
723	500328.3	3733034	1.35E-02	0.00E+00	1.35E-02	2.35E-03
724	500330	3733043	1.34E-02	0.00E+00	1.34E-02	2.34E-03
725	500331.7	3733052	1.34E-02	0.00E+00	1.34E-02	2.33E-03
726	500333.4	3733062	1.33E-02	0.00E+00	1.33E-02	2.31E-03
727	500335.1	3733071	1.32E-02	0.00E+00	1.32E-02	2.29E-03
728	500336.8	3733080	1.30E-02	0.00E+00	1.30E-02	2.27E-03
729	500338.5	3733090	1.29E-02	0.00E+00	1.29E-02	2.25E-03
730	500340.2	3733099	1.28E-02	0.00E+00	1.28E-02	2.23E-03
731	500341.9	3733108	1.26E-02	0.00E+00	1.26E-02	2.20E-03
732	500193.8	3732932	2.01E-02	0.00E+00	2.01E-02	3.50E-03
733	500184.6	3732928	2.03E-02	0.00E+00	2.03E-02	3.55E-03
734	500175.5	3732925	2.05E-02	0.00E+00	2.05E-02	3.58E-03
735	500166.4	3732921	2.07E-02	0.00E+00	2.07E-02	3.60E-03
736	500157.3	3732917	2.08E-02	0.00E+00	2.08E-02	3.62E-03
737	500148.1	3732913	2.08E-02	0.00E+00	2.08E-02	3.63E-03
738	500139	3732909	2.08E-02	0.00E+00	2.08E-02	3.63E-03
739	500129.9	3732906	2.08E-02	0.00E+00	2.08E-02	3.62E-03
740	500120.7	3732902	2.07E-02	0.00E+00	2.07E-02	3.61E-03
741	500111.6	3732898	2.06E-02	0.00E+00	2.06E-02	3.59E-03
742	500102.5	3732894	2.04E-02	0.00E+00	2.04E-02	3.56E-03
743	500093.4	3732890	2.02E-02	0.00E+00	2.02E-02	3.52E-03
744	500084.2	3732887	2.00E-02	0.00E+00	2.00E-02	3.48E-03
745	500075.1	3732883	1.97E-02	0.00E+00	1.97E-02	3.43E-03

746	500066	3732879	1.94E-02	0.00E+00	1.94E-02	3.37E-03
747	500056.9	3732875	1.90E-02	0.00E+00	1.90E-02	3.31E-03
748	500047.7	3732871	1.86E-02	0.00E+00	1.86E-02	3.24E-03
749	500038.6	3732868	1.82E-02	0.00E+00	1.82E-02	3.17E-03
750	500029.5	3732864	1.77E-02	0.00E+00	1.77E-02	3.09E-03
751	500020.4	3732860	1.72E-02	0.00E+00	1.72E-02	3.01E-03
752	500011.2	3732856	1.67E-02	0.00E+00	1.67E-02	2.92E-03
753	500002.1	3732853	1.62E-02	0.00E+00	1.62E-02	2.82E-03
754	499993	3732849	1.56E-02	0.00E+00	1.56E-02	2.72E-03
755	499983.9	3732845	1.50E-02	0.00E+00	1.50E-02	2.62E-03
756	499974.7	3732841	1.44E-02	0.00E+00	1.44E-02	2.51E-03
757	499965.6	3732837	1.38E-02	0.00E+00	1.38E-02	2.41E-03
758	499956.5	3732834	1.32E-02	0.00E+00	1.32E-02	2.30E-03
759	499947.3	3732830	1.26E-02	0.00E+00	1.26E-02	2.19E-03
760	499938.2	3732826	1.20E-02	0.00E+00	1.20E-02	2.08E-03
761	499929.1	3732822	1.14E-02	0.00E+00	1.14E-02	1.98E-03
762	499920	3732818	1.08E-02	0.00E+00	1.08E-02	1.87E-03
763	499910.8	3732815	1.02E-02	0.00E+00	1.02E-02	1.78E-03
764	500278.2	3732956	1.58E-02	0.00E+00	1.58E-02	2.75E-03
765	500285.5	3732962	1.55E-02	0.00E+00	1.55E-02	2.70E-03
766	500292.8	3732969	1.51E-02	0.00E+00	1.51E-02	2.64E-03
767	500300.1	3732975	1.48E-02	0.00E+00	1.48E-02	2.57E-03
768	500307.5	3732982	1.44E-02	0.00E+00	1.44E-02	2.51E-03
769	500314.8	3732988	1.40E-02	0.00E+00	1.40E-02	2.44E-03
770	500322.1	3732995	1.36E-02	0.00E+00	1.36E-02	2.37E-03
771	500329.4	3733001	1.32E-02	0.00E+00	1.32E-02	2.29E-03
772	500336.8	3733008	1.27E-02	0.00E+00	1.27E-02	2.22E-03
773	500345.8	3733024	1.23E-02	0.00E+00	1.23E-02	2.14E-03
774	500347.6	3733034	1.22E-02	0.00E+00	1.22E-02	2.12E-03
775	500349.3	3733043	1.21E-02	0.00E+00	1.21E-02	2.11E-03
776	500351.1	3733053	1.20E-02	0.00E+00	1.20E-02	2.09E-03
777	500352.8	3733063	1.19E-02	0.00E+00	1.19E-02	2.07E-03
778	500354.5	3733072	1.18E-02	0.00E+00	1.18E-02	2.05E-03
779	500356.3	3733082	1.17E-02	0.00E+00	1.17E-02	2.03E-03
780	500358	3733092	1.15E-02	0.00E+00	1.15E-02	2.01E-03
781	500359.8	3733101	1.14E-02	0.00E+00	1.14E-02	1.98E-03
782	500256.2	3732936	1.65E-02	0.00E+00	1.65E-02	2.88E-03
783	500247.1	3732933	1.69E-02	0.00E+00	1.69E-02	2.95E-03
784	500237.9	3732929	1.73E-02	0.00E+00	1.73E-02	3.02E-03
785	500228.8	3732925	1.77E-02	0.00E+00	1.77E-02	3.08E-03
786	500219.7	3732921	1.80E-02	0.00E+00	1.80E-02	3.13E-03
787	500192.3	3732910	1.87E-02	0.00E+00	1.87E-02	3.25E-03
788	500183.2	3732906	1.88E-02	0.00E+00	1.88E-02	3.28E-03
789	500174.1	3732902	1.90E-02	0.00E+00	1.90E-02	3.30E-03
790	500164.9	3732898	1.90E-02	0.00E+00	1.90E-02	3.32E-03
791	500155.8	3732895	1.91E-02	0.00E+00	1.91E-02	3.32E-03
792	500146.7	3732891	1.91E-02	0.00E+00	1.91E-02	3.32E-03

793	500137.5	3732887	1.90E-02	0.00E+00	1.90E-02	3.32E-03
794	500128.4	3732883	1.90E-02	0.00E+00	1.90E-02	3.30E-03
795	500119.3	3732880	1.88E-02	0.00E+00	1.88E-02	3.28E-03
796	500110.2	3732876	1.87E-02	0.00E+00	1.87E-02	3.26E-03
797	500101	3732872	1.85E-02	0.00E+00	1.85E-02	3.22E-03
798	500091.9	3732868	1.83E-02	0.00E+00	1.83E-02	3.18E-03
799	500082.8	3732864	1.80E-02	0.00E+00	1.80E-02	3.14E-03
800	500073.7	3732861	1.77E-02	0.00E+00	1.77E-02	3.09E-03
801	500064.5	3732857	1.74E-02	0.00E+00	1.74E-02	3.03E-03
802	500055.4	3732853	1.71E-02	0.00E+00	1.71E-02	2.97E-03
803	500046.3	3732849	1.67E-02	0.00E+00	1.67E-02	2.90E-03
804	500037.2	3732845	1.63E-02	0.00E+00	1.63E-02	2.83E-03
805	500028	3732842	1.58E-02	0.00E+00	1.58E-02	2.76E-03
806	500018.9	3732838	1.54E-02	0.00E+00	1.54E-02	2.68E-03
807	500009.8	3732834	1.49E-02	0.00E+00	1.49E-02	2.59E-03
808	500000.7	3732830	1.44E-02	0.00E+00	1.44E-02	2.51E-03
809	499991.5	3732826	1.39E-02	0.00E+00	1.39E-02	2.42E-03
810	499982.4	3732823	1.33E-02	0.00E+00	1.33E-02	2.32E-03
811	499973.3	3732819	1.28E-02	0.00E+00	1.28E-02	2.23E-03
812	499964.1	3732815	1.23E-02	0.00E+00	1.23E-02	2.14E-03
813	499955	3732811	1.17E-02	0.00E+00	1.17E-02	2.04E-03
814	499945.9	3732808	1.12E-02	0.00E+00	1.12E-02	1.95E-03
815	499936.8	3732804	1.07E-02	0.00E+00	1.07E-02	1.86E-03
816	499927.6	3732800	1.01E-02	0.00E+00	1.01E-02	1.77E-03
817	499918.5	3732796	9.64E-03	0.00E+00	9.64E-03	1.68E-03
818	500270.8	3732924	1.52E-02	0.00E+00	1.52E-02	2.65E-03
819	500277.8	3732930	1.50E-02	0.00E+00	1.50E-02	2.62E-03
820	500284.8	3732937	1.48E-02	0.00E+00	1.48E-02	2.58E-03
821	500312.7	3732961	1.37E-02	0.00E+00	1.37E-02	2.38E-03
822	500319.7	3732968	1.34E-02	0.00E+00	1.34E-02	2.33E-03
823	500326.6	3732974	1.30E-02	0.00E+00	1.30E-02	2.27E-03
824	500333.6	3732980	1.27E-02	0.00E+00	1.27E-02	2.21E-03
825	500340.6	3732986	1.23E-02	0.00E+00	1.23E-02	2.15E-03
826	500347.6	3732992	1.20E-02	0.00E+00	1.20E-02	2.09E-03
827	500354.6	3732999	1.16E-02	0.00E+00	1.16E-02	2.02E-03
828	500363.2	3733014	1.12E-02	0.00E+00	1.12E-02	1.95E-03
829	500364.8	3733023	1.11E-02	0.00E+00	1.11E-02	1.94E-03
830	500366.5	3733032	1.11E-02	0.00E+00	1.11E-02	1.93E-03
831	500368.2	3733041	1.10E-02	0.00E+00	1.10E-02	1.91E-03
832	500369.8	3733051	1.09E-02	0.00E+00	1.09E-02	1.89E-03
833	500371.5	3733060	1.08E-02	0.00E+00	1.08E-02	1.88E-03
834	500373.1	3733069	1.07E-02	0.00E+00	1.07E-02	1.86E-03
835	500374.8	3733078	1.05E-02	0.00E+00	1.05E-02	1.83E-03
836	500376.5	3733087	1.04E-02	0.00E+00	1.04E-02	1.81E-03
837	500378.1	3733097	1.03E-02	0.00E+00	1.03E-02	1.79E-03
838	500379.8	3733106	1.01E-02	0.00E+00	1.01E-02	1.77E-03
839	500263.9	3732918	1.54E-02	0.00E+00	1.54E-02	2.68E-03

840	500254.7	3732914	1.57E-02	0.00E+00	1.57E-02	2.74E-03
841	500245.6	3732910	1.61E-02	0.00E+00	1.61E-02	2.80E-03
842	500236.5	3732907	1.64E-02	0.00E+00	1.64E-02	2.85E-03
843	500227.4	3732903	1.66E-02	0.00E+00	1.66E-02	2.90E-03
844	500190.8	3732888	1.74E-02	0.00E+00	1.74E-02	3.03E-03
845	500181.7	3732884	1.75E-02	0.00E+00	1.75E-02	3.04E-03
846	500172.6	3732880	1.75E-02	0.00E+00	1.75E-02	3.05E-03
847	500163.5	3732876	1.76E-02	0.00E+00	1.76E-02	3.06E-03
848	500154.3	3732872	1.76E-02	0.00E+00	1.76E-02	3.06E-03
849	500145.2	3732869	1.75E-02	0.00E+00	1.75E-02	3.05E-03
850	500136.1	3732865	1.74E-02	0.00E+00	1.74E-02	3.04E-03
851	500127	3732861	1.73E-02	0.00E+00	1.73E-02	3.02E-03
852	500117.8	3732857	1.72E-02	0.00E+00	1.72E-02	3.00E-03
853	500108.7	3732853	1.70E-02	0.00E+00	1.70E-02	2.96E-03
854	500099.6	3732850	1.68E-02	0.00E+00	1.68E-02	2.93E-03
855	500090.5	3732846	1.66E-02	0.00E+00	1.66E-02	2.89E-03
856	500081.3	3732842	1.63E-02	0.00E+00	1.63E-02	2.84E-03
857	500072.2	3732838	1.60E-02	0.00E+00	1.60E-02	2.79E-03
858	500063.1	3732835	1.57E-02	0.00E+00	1.57E-02	2.74E-03
859	500054	3732831	1.54E-02	0.00E+00	1.54E-02	2.68E-03
860	500044.8	3732827	1.50E-02	0.00E+00	1.50E-02	2.61E-03
861	500035.7	3732823	1.46E-02	0.00E+00	1.46E-02	2.55E-03
862	500026.6	3732819	1.42E-02	0.00E+00	1.42E-02	2.47E-03
863	500017.5	3732816	1.38E-02	0.00E+00	1.38E-02	2.40E-03
864	500008.3	3732812	1.33E-02	0.00E+00	1.33E-02	2.32E-03
865	499999.2	3732808	1.29E-02	0.00E+00	1.29E-02	2.24E-03
866	499990.1	3732804	1.24E-02	0.00E+00	1.24E-02	2.16E-03
867	499980.9	3732800	1.19E-02	0.00E+00	1.19E-02	2.08E-03
868	499971.8	3732797	1.15E-02	0.00E+00	1.15E-02	2.00E-03
869	499962.7	3732793	1.10E-02	0.00E+00	1.10E-02	1.91E-03
870	499953.6	3732789	1.05E-02	0.00E+00	1.05E-02	1.83E-03
871	499944.4	3732785	1.00E-02	0.00E+00	1.00E-02	1.75E-03
872	499935.3	3732781	9.59E-03	0.00E+00	9.59E-03	1.67E-03
873	499926.2	3732778	9.15E-03	0.00E+00	9.15E-03	1.59E-03
874	500282.4	3732896	1.38E-02	0.00E+00	1.38E-02	2.41E-03
875	500289.4	3732903	1.37E-02	0.00E+00	1.37E-02	2.38E-03
876	500296.4	3732909	1.35E-02	0.00E+00	1.35E-02	2.35E-03
877	500303.4	3732915	1.33E-02	0.00E+00	1.33E-02	2.31E-03
878	500310.5	3732921	1.31E-02	0.00E+00	1.31E-02	2.27E-03
879	500317.5	3732928	1.28E-02	0.00E+00	1.28E-02	2.23E-03
880	500324.5	3732934	1.26E-02	0.00E+00	1.26E-02	2.19E-03
881	500331.5	3732940	1.23E-02	0.00E+00	1.23E-02	2.14E-03
882	500352.6	3732959	1.14E-02	0.00E+00	1.14E-02	1.99E-03
883	500359.6	3732965	1.11E-02	0.00E+00	1.11E-02	1.94E-03
884	500366.6	3732971	1.08E-02	0.00E+00	1.08E-02	1.89E-03
885	500373.6	3732978	1.05E-02	0.00E+00	1.05E-02	1.84E-03
886	500380.7	3732984	1.02E-02	0.00E+00	1.02E-02	1.78E-03

887	500389.4	3732999	9.85E-03	0.00E+00	9.85E-03	1.72E-03
888	500391	3733009	9.78E-03	0.00E+00	9.78E-03	1.70E-03
889	500392.7	3733018	9.70E-03	0.00E+00	9.70E-03	1.69E-03
890	500394.4	3733027	9.62E-03	0.00E+00	9.62E-03	1.68E-03
891	500396	3733036	9.53E-03	0.00E+00	9.53E-03	1.66E-03
892	500397.7	3733045	9.43E-03	0.00E+00	9.43E-03	1.64E-03
893	500399.4	3733055	9.33E-03	0.00E+00	9.33E-03	1.63E-03
894	500401.1	3733064	9.22E-03	0.00E+00	9.22E-03	1.61E-03
895	500402.7	3733073	9.11E-03	0.00E+00	9.11E-03	1.59E-03
896	500404.4	3733082	8.99E-03	0.00E+00	8.99E-03	1.57E-03
897	500406.1	3733092	8.87E-03	0.00E+00	8.87E-03	1.54E-03
898	500407.7	3733101	8.74E-03	0.00E+00	8.74E-03	1.52E-03
899	500275.4	3732890	1.39E-02	0.00E+00	1.39E-02	2.43E-03
900	500266.2	3732886	1.42E-02	0.00E+00	1.42E-02	2.48E-03
901	500257.1	3732883	1.45E-02	0.00E+00	1.45E-02	2.52E-03
902	500248	3732879	1.47E-02	0.00E+00	1.47E-02	2.56E-03
903	500238.9	3732875	1.49E-02	0.00E+00	1.49E-02	2.60E-03
904	500229.7	3732871	1.51E-02	0.00E+00	1.51E-02	2.63E-03
905	500220.6	3732867	1.53E-02	0.00E+00	1.53E-02	2.66E-03
906	500193.2	3732856	1.56E-02	0.00E+00	1.56E-02	2.72E-03
907	500184.1	3732852	1.56E-02	0.00E+00	1.56E-02	2.72E-03
908	500175	3732849	1.56E-02	0.00E+00	1.56E-02	2.73E-03
909	500165.9	3732845	1.56E-02	0.00E+00	1.56E-02	2.72E-03
910	500156.7	3732841	1.56E-02	0.00E+00	1.56E-02	2.72E-03
911	500147.6	3732837	1.55E-02	0.00E+00	1.55E-02	2.70E-03
912	500138.5	3732833	1.54E-02	0.00E+00	1.54E-02	2.69E-03
913	500129.3	3732830	1.53E-02	0.00E+00	1.53E-02	2.67E-03
914	500120.2	3732826	1.51E-02	0.00E+00	1.51E-02	2.64E-03
915	500111.1	3732822	1.50E-02	0.00E+00	1.50E-02	2.61E-03
916	500102	3732818	1.48E-02	0.00E+00	1.48E-02	2.57E-03
917	500092.8	3732814	1.45E-02	0.00E+00	1.45E-02	2.53E-03
918	500083.7	3732811	1.43E-02	0.00E+00	1.43E-02	2.49E-03
919	500074.6	3732807	1.40E-02	0.00E+00	1.40E-02	2.44E-03
920	500065.5	3732803	1.37E-02	0.00E+00	1.37E-02	2.39E-03
921	500056.3	3732799	1.34E-02	0.00E+00	1.34E-02	2.34E-03
922	500047.2	3732795	1.31E-02	0.00E+00	1.31E-02	2.28E-03
923	500038.1	3732792	1.27E-02	0.00E+00	1.27E-02	2.22E-03
924	500029	3732788	1.24E-02	0.00E+00	1.24E-02	2.15E-03
925	500019.8	3732784	1.20E-02	0.00E+00	1.20E-02	2.09E-03
926	500010.7	3732780	1.16E-02	0.00E+00	1.16E-02	2.02E-03
927	500001.6	3732776	1.12E-02	0.00E+00	1.12E-02	1.96E-03
928	499992.5	3732773	1.08E-02	0.00E+00	1.08E-02	1.89E-03
929	499983.3	3732769	1.04E-02	0.00E+00	1.04E-02	1.82E-03
930	499974.2	3732765	1.00E-02	0.00E+00	1.00E-02	1.75E-03
931	499965.1	3732761	9.64E-03	0.00E+00	9.64E-03	1.68E-03
932	499956	3732758	9.25E-03	0.00E+00	9.25E-03	1.61E-03
933	499946.8	3732754	8.86E-03	0.00E+00	8.86E-03	1.54E-03

934	499937.7	3732750	8.49E-03	0.00E+00	8.49E-03	1.48E-03
935	500293.9	3732869	1.26E-02	0.00E+00	1.26E-02	2.19E-03
936	500301	3732875	1.25E-02	0.00E+00	1.25E-02	2.17E-03
937	500308	3732881	1.23E-02	0.00E+00	1.23E-02	2.15E-03
938	500315.1	3732888	1.22E-02	0.00E+00	1.22E-02	2.12E-03
939	500322.1	3732894	1.20E-02	0.00E+00	1.20E-02	2.09E-03
940	500329.2	3732900	1.18E-02	0.00E+00	1.18E-02	2.06E-03
941	500336.3	3732906	1.16E-02	0.00E+00	1.16E-02	2.02E-03
942	500343.3	3732913	1.14E-02	0.00E+00	1.14E-02	1.98E-03
943	500350.4	3732919	1.11E-02	0.00E+00	1.11E-02	1.94E-03
944	500357.4	3732925	1.09E-02	0.00E+00	1.09E-02	1.90E-03
945	500364.5	3732931	1.07E-02	0.00E+00	1.07E-02	1.86E-03
946	500371.5	3732938	1.04E-02	0.00E+00	1.04E-02	1.81E-03
947	500399.7	3732963	9.34E-03	0.00E+00	9.34E-03	1.63E-03
948	500406.8	3732969	9.07E-03	0.00E+00	9.07E-03	1.58E-03
949	500415.5	3732985	8.74E-03	0.00E+00	8.74E-03	1.52E-03
950	500417.2	3732994	8.67E-03	0.00E+00	8.67E-03	1.51E-03
951	500418.9	3733003	8.59E-03	0.00E+00	8.59E-03	1.50E-03
952	500420.6	3733012	8.51E-03	0.00E+00	8.51E-03	1.48E-03
953	500422.2	3733022	8.43E-03	0.00E+00	8.43E-03	1.47E-03
954	500423.9	3733031	8.34E-03	0.00E+00	8.34E-03	1.45E-03
955	500425.6	3733040	8.24E-03	0.00E+00	8.24E-03	1.44E-03
956	500427.3	3733050	8.14E-03	0.00E+00	8.14E-03	1.42E-03
957	500429	3733059	8.04E-03	0.00E+00	8.04E-03	1.40E-03
958	500430.6	3733068	7.93E-03	0.00E+00	7.93E-03	1.38E-03
959	500432.3	3733077	7.82E-03	0.00E+00	7.82E-03	1.36E-03
960	500434	3733087	7.71E-03	0.00E+00	7.71E-03	1.34E-03
961	500286.9	3732863	1.27E-02	0.00E+00	1.27E-02	2.21E-03
962	500277.8	3732859	1.29E-02	0.00E+00	1.29E-02	2.25E-03
963	500268.6	3732855	1.31E-02	0.00E+00	1.31E-02	2.29E-03
964	500259.5	3732851	1.33E-02	0.00E+00	1.33E-02	2.32E-03
965	500250.4	3732847	1.35E-02	0.00E+00	1.35E-02	2.35E-03
966	500241.2	3732844	1.36E-02	0.00E+00	1.36E-02	2.38E-03
967	500232.1	3732840	1.38E-02	0.00E+00	1.38E-02	2.40E-03
968	500223	3732836	1.39E-02	0.00E+00	1.39E-02	2.42E-03
969	500186.5	3732821	1.41E-02	0.00E+00	1.41E-02	2.45E-03
970	500177.4	3732817	1.40E-02	0.00E+00	1.40E-02	2.45E-03
971	500168.2	3732813	1.40E-02	0.00E+00	1.40E-02	2.44E-03
972	500159.1	3732809	1.39E-02	0.00E+00	1.39E-02	2.43E-03
973	500150	3732806	1.38E-02	0.00E+00	1.38E-02	2.41E-03
974	500140.9	3732802	1.37E-02	0.00E+00	1.37E-02	2.39E-03
975	500131.7	3732798	1.36E-02	0.00E+00	1.36E-02	2.37E-03
976	500122.6	3732794	1.34E-02	0.00E+00	1.34E-02	2.34E-03
977	500113.5	3732790	1.33E-02	0.00E+00	1.33E-02	2.31E-03
978	500104.4	3732787	1.31E-02	0.00E+00	1.31E-02	2.28E-03
979	500095.2	3732783	1.28E-02	0.00E+00	1.28E-02	2.24E-03
980	500086.1	3732779	1.26E-02	0.00E+00	1.26E-02	2.20E-03

981	500077	3732775	1.24E-02	0.00E+00	1.24E-02	2.15E-03
982	500067.8	3732772	1.21E-02	0.00E+00	1.21E-02	2.11E-03
983	500058.7	3732768	1.18E-02	0.00E+00	1.18E-02	2.06E-03
984	500049.6	3732764	1.15E-02	0.00E+00	1.15E-02	2.01E-03
985	500040.5	3732760	1.12E-02	0.00E+00	1.12E-02	1.95E-03
986	500031.3	3732756	1.09E-02	0.00E+00	1.09E-02	1.90E-03
987	500022.2	3732753	1.06E-02	0.00E+00	1.06E-02	1.84E-03
988	500013.1	3732749	1.02E-02	0.00E+00	1.02E-02	1.78E-03
989	500004	3732745	9.90E-03	0.00E+00	9.90E-03	1.72E-03
990	499994.8	3732741	9.56E-03	0.00E+00	9.56E-03	1.67E-03
991	499985.7	3732737	9.23E-03	0.00E+00	9.23E-03	1.61E-03
992	499976.6	3732734	8.89E-03	0.00E+00	8.89E-03	1.55E-03
993	499967.5	3732730	8.56E-03	0.00E+00	8.56E-03	1.49E-03
994	499958.3	3732726	8.23E-03	0.00E+00	8.23E-03	1.43E-03
995	499949.2	3732722	7.91E-03	0.00E+00	7.91E-03	1.38E-03
996	500305.5	3732841	1.15E-02	0.00E+00	1.15E-02	2.01E-03
997	500312.5	3732847	1.14E-02	0.00E+00	1.14E-02	1.99E-03
998	500319.6	3732854	1.13E-02	0.00E+00	1.13E-02	1.97E-03
999	500326.7	3732860	1.12E-02	0.00E+00	1.12E-02	1.95E-03
1000	500333.8	3732866	1.11E-02	0.00E+00	1.11E-02	1.93E-03
1001	500340.9	3732873	1.09E-02	0.00E+00	1.09E-02	1.90E-03
1002	500348	3732879	1.07E-02	0.00E+00	1.07E-02	1.87E-03
1003	500355	3732885	1.06E-02	0.00E+00	1.06E-02	1.84E-03
1004	500362.1	3732891	1.04E-02	0.00E+00	1.04E-02	1.80E-03
1005	500369.2	3732898	1.02E-02	0.00E+00	1.02E-02	1.77E-03
1006	500376.3	3732904	9.95E-03	0.00E+00	9.95E-03	1.73E-03
1007	500383.4	3732910	9.73E-03	0.00E+00	9.73E-03	1.70E-03
1008	500390.4	3732917	9.51E-03	0.00E+00	9.51E-03	1.66E-03
1009	500397.5	3732923	9.28E-03	0.00E+00	9.28E-03	1.62E-03
1010	500404.6	3732929	9.05E-03	0.00E+00	9.05E-03	1.58E-03
1011	500411.7	3732935	8.81E-03	0.00E+00	8.81E-03	1.54E-03
1012	500418.8	3732942	8.57E-03	0.00E+00	8.57E-03	1.49E-03
1013	500441.7	3732970	7.80E-03	0.00E+00	7.80E-03	1.36E-03
1014	500443.4	3732979	7.74E-03	0.00E+00	7.74E-03	1.35E-03
1015	500445.1	3732989	7.67E-03	0.00E+00	7.67E-03	1.34E-03
1016	500446.7	3732998	7.59E-03	0.00E+00	7.59E-03	1.32E-03
1017	500448.4	3733007	7.51E-03	0.00E+00	7.51E-03	1.31E-03
1018	500450.1	3733017	7.43E-03	0.00E+00	7.43E-03	1.29E-03
1019	500451.8	3733026	7.34E-03	0.00E+00	7.34E-03	1.28E-03
1020	500453.5	3733035	7.25E-03	0.00E+00	7.25E-03	1.26E-03
1021	500455.2	3733045	7.15E-03	0.00E+00	7.15E-03	1.25E-03
1022	500456.9	3733054	7.06E-03	0.00E+00	7.06E-03	1.23E-03
1023	500458.5	3733063	6.96E-03	0.00E+00	6.96E-03	1.21E-03
1024	500460.2	3733073	6.86E-03	0.00E+00	6.86E-03	1.19E-03
1025	500461.9	3733082	6.75E-03	0.00E+00	6.75E-03	1.18E-03
1026	500298.4	3732835	1.16E-02	0.00E+00	1.16E-02	2.03E-03
1027	500289.3	3732831	1.18E-02	0.00E+00	1.18E-02	2.06E-03

1028	500280.1	3732827	1.20E-02	0.00E+00	1.20E-02	2.09E-03
1029	500271	3732823	1.21E-02	0.00E+00	1.21E-02	2.12E-03
1030	500261.9	3732820	1.23E-02	0.00E+00	1.23E-02	2.14E-03
1031	500252.8	3732816	1.24E-02	0.00E+00	1.24E-02	2.16E-03
1032	500243.6	3732812	1.25E-02	0.00E+00	1.25E-02	2.18E-03
1033	500234.5	3732808	1.26E-02	0.00E+00	1.26E-02	2.19E-03
1034	500225.4	3732804	1.26E-02	0.00E+00	1.26E-02	2.20E-03
1035	500188.9	3732789	1.27E-02	0.00E+00	1.27E-02	2.21E-03
1036	500179.7	3732786	1.27E-02	0.00E+00	1.27E-02	2.21E-03
1037	500170.6	3732782	1.26E-02	0.00E+00	1.26E-02	2.19E-03
1038	500161.5	3732778	1.25E-02	0.00E+00	1.25E-02	2.18E-03
1039	500152.4	3732774	1.24E-02	0.00E+00	1.24E-02	2.16E-03
1040	500143.2	3732770	1.23E-02	0.00E+00	1.23E-02	2.14E-03
1041	500134.1	3732767	1.22E-02	0.00E+00	1.22E-02	2.12E-03
1042	500125	3732763	1.20E-02	0.00E+00	1.20E-02	2.09E-03
1043	500115.9	3732759	1.18E-02	0.00E+00	1.18E-02	2.06E-03
1044	500106.7	3732755	1.16E-02	0.00E+00	1.16E-02	2.03E-03
1045	500097.6	3732751	1.14E-02	0.00E+00	1.14E-02	1.99E-03
1046	500088.5	3732748	1.12E-02	0.00E+00	1.12E-02	1.95E-03
1047	500079.4	3732744	1.10E-02	0.00E+00	1.10E-02	1.91E-03
1048	500070.2	3732740	1.07E-02	0.00E+00	1.07E-02	1.87E-03
1049	500061.1	3732736	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1050	500052	3732732	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1051	500042.9	3732729	9.95E-03	0.00E+00	9.95E-03	1.73E-03
1052	500033.7	3732725	9.68E-03	0.00E+00	9.68E-03	1.69E-03
1053	500024.6	3732721	9.39E-03	0.00E+00	9.39E-03	1.64E-03
1054	500015.5	3732717	9.11E-03	0.00E+00	9.11E-03	1.59E-03
1055	500006.3	3732713	8.82E-03	0.00E+00	8.82E-03	1.54E-03
1056	499997.2	3732710	8.53E-03	0.00E+00	8.53E-03	1.49E-03
1057	499988.1	3732706	8.24E-03	0.00E+00	8.24E-03	1.44E-03
1058	499979	3732702	7.96E-03	0.00E+00	7.96E-03	1.39E-03
1059	499969.8	3732698	7.67E-03	0.00E+00	7.67E-03	1.34E-03
1060	499960.7	3732695	7.40E-03	0.00E+00	7.40E-03	1.29E-03
1061	500317	3732813	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1062	500324.1	3732820	1.06E-02	0.00E+00	1.06E-02	1.84E-03
1063	500331.2	3732826	1.05E-02	0.00E+00	1.05E-02	1.82E-03
1064	500338.3	3732832	1.04E-02	0.00E+00	1.04E-02	1.80E-03
1065	500345.4	3732839	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1066	500352.5	3732845	1.01E-02	0.00E+00	1.01E-02	1.76E-03
1067	500359.6	3732851	9.97E-03	0.00E+00	9.97E-03	1.74E-03
1068	500366.7	3732858	9.82E-03	0.00E+00	9.82E-03	1.71E-03
1069	500373.8	3732864	9.66E-03	0.00E+00	9.66E-03	1.68E-03
1070	500380.9	3732870	9.49E-03	0.00E+00	9.49E-03	1.65E-03
1071	500388	3732877	9.31E-03	0.00E+00	9.31E-03	1.62E-03
1072	500395.1	3732883	9.12E-03	0.00E+00	9.12E-03	1.59E-03
1073	500402.2	3732889	8.93E-03	0.00E+00	8.93E-03	1.56E-03
1074	500409.3	3732895	8.73E-03	0.00E+00	8.73E-03	1.52E-03

1075	500416.4	3732902	8.53E-03	0.00E+00	8.53E-03	1.49E-03
1076	500423.5	3732908	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1077	500430.6	3732914	8.12E-03	0.00E+00	8.12E-03	1.41E-03
1078	500437.8	3732921	7.91E-03	0.00E+00	7.91E-03	1.38E-03
1079	500444.9	3732927	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1080	500452	3732933	7.49E-03	0.00E+00	7.49E-03	1.30E-03
1081	500459.1	3732940	7.28E-03	0.00E+00	7.28E-03	1.27E-03
1082	500469.5	3732965	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1083	500471.2	3732974	6.88E-03	0.00E+00	6.88E-03	1.20E-03
1084	500472.9	3732983	6.81E-03	0.00E+00	6.81E-03	1.19E-03
1085	500474.6	3732993	6.74E-03	0.00E+00	6.74E-03	1.17E-03
1086	500476.3	3733002	6.66E-03	0.00E+00	6.66E-03	1.16E-03
1087	500478	3733011	6.58E-03	0.00E+00	6.58E-03	1.15E-03
1088	500479.7	3733021	6.50E-03	0.00E+00	6.50E-03	1.13E-03
1089	500481.4	3733030	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1090	500483.1	3733039	6.33E-03	0.00E+00	6.33E-03	1.10E-03
1091	500484.8	3733049	6.24E-03	0.00E+00	6.24E-03	1.09E-03
1092	500486.4	3733058	6.15E-03	0.00E+00	6.15E-03	1.07E-03
1093	500488.1	3733068	6.06E-03	0.00E+00	6.06E-03	1.06E-03
1094	500489.8	3733077	5.96E-03	0.00E+00	5.96E-03	1.04E-03
1095	500309.9	3732807	1.07E-02	0.00E+00	1.07E-02	1.86E-03
1096	500300.8	3732803	1.09E-02	0.00E+00	1.09E-02	1.89E-03
1097	500291.6	3732800	1.10E-02	0.00E+00	1.10E-02	1.92E-03
1098	500282.5	3732796	1.11E-02	0.00E+00	1.11E-02	1.94E-03
1099	500273.4	3732792	1.12E-02	0.00E+00	1.12E-02	1.96E-03
1100	500264.3	3732788	1.13E-02	0.00E+00	1.13E-02	1.98E-03
1101	500255.1	3732784	1.14E-02	0.00E+00	1.14E-02	1.99E-03
1102	500246	3732781	1.15E-02	0.00E+00	1.15E-02	2.00E-03
1103	500236.9	3732777	1.15E-02	0.00E+00	1.15E-02	2.01E-03
1104	500227.8	3732773	1.16E-02	0.00E+00	1.16E-02	2.01E-03
1105	500191.3	3732758	1.15E-02	0.00E+00	1.15E-02	2.01E-03
1106	500182.1	3732754	1.15E-02	0.00E+00	1.15E-02	2.00E-03
1107	500173	3732750	1.14E-02	0.00E+00	1.14E-02	1.98E-03
1108	500163.9	3732746	1.13E-02	0.00E+00	1.13E-02	1.97E-03
1109	500154.7	3732743	1.12E-02	0.00E+00	1.12E-02	1.95E-03
1110	500145.6	3732739	1.11E-02	0.00E+00	1.11E-02	1.93E-03
1111	500136.5	3732735	1.09E-02	0.00E+00	1.09E-02	1.90E-03
1112	500127.4	3732731	1.08E-02	0.00E+00	1.08E-02	1.88E-03
1113	500118.2	3732727	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1114	500109.1	3732724	1.04E-02	0.00E+00	1.04E-02	1.82E-03
1115	500100	3732720	1.02E-02	0.00E+00	1.02E-02	1.79E-03
1116	500090.9	3732716	1.00E-02	0.00E+00	1.00E-02	1.75E-03
1117	500081.7	3732712	9.83E-03	0.00E+00	9.83E-03	1.71E-03
1118	500072.6	3732709	9.62E-03	0.00E+00	9.62E-03	1.68E-03
1119	500063.5	3732705	9.39E-03	0.00E+00	9.39E-03	1.64E-03
1120	500054.4	3732701	9.15E-03	0.00E+00	9.15E-03	1.59E-03
1121	500045.2	3732697	8.91E-03	0.00E+00	8.91E-03	1.55E-03

1122	500036.1	3732693	8.67E-03	0.00E+00	8.67E-03	1.51E-03
1123	500027	3732690	8.42E-03	0.00E+00	8.42E-03	1.47E-03
1124	500017.9	3732686	8.17E-03	0.00E+00	8.17E-03	1.42E-03
1125	500008.7	3732682	7.93E-03	0.00E+00	7.93E-03	1.38E-03
1126	499999.6	3732678	7.68E-03	0.00E+00	7.68E-03	1.34E-03
1127	499990.5	3732674	7.43E-03	0.00E+00	7.43E-03	1.29E-03
1128	499981.4	3732671	7.18E-03	0.00E+00	7.18E-03	1.25E-03
1129	499972.2	3732667	6.94E-03	0.00E+00	6.94E-03	1.21E-03
1130	500328.5	3732786	9.83E-03	0.00E+00	9.83E-03	1.71E-03
1131	500335.6	3732792	9.77E-03	0.00E+00	9.77E-03	1.70E-03
1132	500342.8	3732798	9.70E-03	0.00E+00	9.70E-03	1.69E-03
1133	500349.9	3732805	9.61E-03	0.00E+00	9.61E-03	1.67E-03
1134	500357	3732811	9.51E-03	0.00E+00	9.51E-03	1.66E-03
1135	500364.1	3732817	9.41E-03	0.00E+00	9.41E-03	1.64E-03
1136	500371.3	3732824	9.29E-03	0.00E+00	9.29E-03	1.62E-03
1137	500378.4	3732830	9.16E-03	0.00E+00	9.16E-03	1.60E-03
1138	500385.5	3732836	9.03E-03	0.00E+00	9.03E-03	1.57E-03
1139	500392.6	3732843	8.88E-03	0.00E+00	8.88E-03	1.55E-03
1140	500399.7	3732849	8.73E-03	0.00E+00	8.73E-03	1.52E-03
1141	500406.9	3732855	8.57E-03	0.00E+00	8.57E-03	1.49E-03
1142	500414	3732862	8.40E-03	0.00E+00	8.40E-03	1.46E-03
1143	500421.1	3732868	8.23E-03	0.00E+00	8.23E-03	1.43E-03
1144	500428.2	3732874	8.06E-03	0.00E+00	8.06E-03	1.40E-03
1145	500435.4	3732881	7.88E-03	0.00E+00	7.88E-03	1.37E-03
1146	500442.5	3732887	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1147	500449.6	3732893	7.51E-03	0.00E+00	7.51E-03	1.31E-03
1148	500456.7	3732900	7.32E-03	0.00E+00	7.32E-03	1.28E-03
1149	500463.8	3732906	7.14E-03	0.00E+00	7.14E-03	1.24E-03
1150	500471	3732912	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1151	500478.1	3732919	6.76E-03	0.00E+00	6.76E-03	1.18E-03
1152	500485.2	3732925	6.57E-03	0.00E+00	6.57E-03	1.15E-03
1153	500494	3732941	6.33E-03	0.00E+00	6.33E-03	1.10E-03
1154	500497.4	3732959	6.21E-03	0.00E+00	6.21E-03	1.08E-03
1155	500499.1	3732969	6.15E-03	0.00E+00	6.15E-03	1.07E-03
1156	500500.8	3732978	6.08E-03	0.00E+00	6.08E-03	1.06E-03
1157	500502.5	3732988	6.01E-03	0.00E+00	6.01E-03	1.05E-03
1158	500504.2	3732997	5.94E-03	0.00E+00	5.94E-03	1.03E-03
1159	500505.9	3733006	5.86E-03	0.00E+00	5.86E-03	1.02E-03
1160	500507.6	3733016	5.79E-03	0.00E+00	5.79E-03	1.01E-03
1161	500509.3	3733025	5.71E-03	0.00E+00	5.71E-03	9.95E-04
1162	500511	3733034	5.63E-03	0.00E+00	5.63E-03	9.81E-04
1163	500512.7	3733044	5.55E-03	0.00E+00	5.55E-03	9.67E-04
1164	500514.4	3733053	5.47E-03	0.00E+00	5.47E-03	9.53E-04
1165	500516.1	3733063	5.38E-03	0.00E+00	5.38E-03	9.38E-04
1166	500321.4	3732779	9.88E-03	0.00E+00	9.88E-03	1.72E-03
1167	500312.3	3732776	1.00E-02	0.00E+00	1.00E-02	1.74E-03
1168	500303.2	3732772	1.01E-02	0.00E+00	1.01E-02	1.77E-03

1169	500294	3732768	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1170	500284.9	3732764	1.03E-02	0.00E+00	1.03E-02	1.80E-03
1171	500275.8	3732760	1.04E-02	0.00E+00	1.04E-02	1.81E-03
1172	500266.6	3732757	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1173	500257.5	3732753	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1174	500248.4	3732749	1.06E-02	0.00E+00	1.06E-02	1.84E-03
1175	500239.3	3732745	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1176	500230.1	3732741	1.06E-02	0.00E+00	1.06E-02	1.85E-03
1177	500193.6	3732726	1.05E-02	0.00E+00	1.05E-02	1.83E-03
1178	500184.5	3732723	1.04E-02	0.00E+00	1.04E-02	1.81E-03
1179	500175.4	3732719	1.03E-02	0.00E+00	1.03E-02	1.80E-03
1180	500166.3	3732715	1.02E-02	0.00E+00	1.02E-02	1.78E-03
1181	500157.1	3732711	1.01E-02	0.00E+00	1.01E-02	1.77E-03
1182	500148	3732707	1.00E-02	0.00E+00	1.00E-02	1.74E-03
1183	500138.9	3732704	9.88E-03	0.00E+00	9.88E-03	1.72E-03
1184	500129.8	3732700	9.73E-03	0.00E+00	9.73E-03	1.70E-03
1185	500120.6	3732696	9.58E-03	0.00E+00	9.58E-03	1.67E-03
1186	500111.5	3732692	9.41E-03	0.00E+00	9.41E-03	1.64E-03
1187	500102.4	3732688	9.24E-03	0.00E+00	9.24E-03	1.61E-03
1188	500093.2	3732685	9.05E-03	0.00E+00	9.05E-03	1.58E-03
1189	500084.1	3732681	8.86E-03	0.00E+00	8.86E-03	1.54E-03
1190	500075	3732677	8.66E-03	0.00E+00	8.66E-03	1.51E-03
1191	500065.9	3732673	8.46E-03	0.00E+00	8.46E-03	1.47E-03
1192	500056.7	3732669	8.25E-03	0.00E+00	8.25E-03	1.44E-03
1193	500047.6	3732666	8.04E-03	0.00E+00	8.04E-03	1.40E-03
1194	500038.5	3732662	7.83E-03	0.00E+00	7.83E-03	1.36E-03
1195	500029.4	3732658	7.61E-03	0.00E+00	7.61E-03	1.33E-03
1196	500020.2	3732654	7.39E-03	0.00E+00	7.39E-03	1.29E-03
1197	500011.1	3732651	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1198	500002	3732647	6.96E-03	0.00E+00	6.96E-03	1.21E-03
1199	499992.9	3732643	6.74E-03	0.00E+00	6.74E-03	1.17E-03
1200	499983.7	3732639	6.53E-03	0.00E+00	6.53E-03	1.14E-03
1201	500340	3732758	9.12E-03	0.00E+00	9.12E-03	1.59E-03
1202	500347.2	3732764	9.08E-03	0.00E+00	9.08E-03	1.58E-03
1203	500354.3	3732771	9.02E-03	0.00E+00	9.02E-03	1.57E-03
1204	500361.5	3732777	8.95E-03	0.00E+00	8.95E-03	1.56E-03
1205	500368.6	3732783	8.87E-03	0.00E+00	8.87E-03	1.54E-03
1206	500375.7	3732790	8.78E-03	0.00E+00	8.78E-03	1.53E-03
1207	500382.9	3732796	8.68E-03	0.00E+00	8.68E-03	1.51E-03
1208	500390	3732802	8.57E-03	0.00E+00	8.57E-03	1.49E-03
1209	500397.1	3732809	8.45E-03	0.00E+00	8.45E-03	1.47E-03
1210	500404.3	3732815	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1211	500411.4	3732821	8.20E-03	0.00E+00	8.20E-03	1.43E-03
1212	500418.6	3732828	8.06E-03	0.00E+00	8.06E-03	1.40E-03
1213	500425.7	3732834	7.92E-03	0.00E+00	7.92E-03	1.38E-03
1214	500432.8	3732840	7.77E-03	0.00E+00	7.77E-03	1.35E-03
1215	500440	3732847	7.61E-03	0.00E+00	7.61E-03	1.33E-03

1216	500447.1	3732853	7.46E-03	0.00E+00	7.46E-03	1.30E-03
1217	500454.2	3732860	7.30E-03	0.00E+00	7.30E-03	1.27E-03
1218	500461.4	3732866	7.14E-03	0.00E+00	7.14E-03	1.24E-03
1219	500468.5	3732872	6.97E-03	0.00E+00	6.97E-03	1.21E-03
1220	500475.7	3732879	6.81E-03	0.00E+00	6.81E-03	1.19E-03
1221	500482.8	3732885	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1222	500489.9	3732891	6.47E-03	0.00E+00	6.47E-03	1.13E-03
1223	500497.1	3732898	6.30E-03	0.00E+00	6.30E-03	1.10E-03
1224	500504.2	3732904	6.14E-03	0.00E+00	6.14E-03	1.07E-03
1225	500511.3	3732910	5.97E-03	0.00E+00	5.97E-03	1.04E-03
1226	500520.2	3732926	5.76E-03	0.00E+00	5.76E-03	1.00E-03
1227	500521.9	3732935	5.70E-03	0.00E+00	5.70E-03	9.93E-04
1228	500523.6	3732945	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1229	500527	3732964	5.52E-03	0.00E+00	5.52E-03	9.62E-04
1230	500528.7	3732973	5.46E-03	0.00E+00	5.46E-03	9.51E-04
1231	500530.4	3732982	5.39E-03	0.00E+00	5.39E-03	9.39E-04
1232	500532.1	3732992	5.32E-03	0.00E+00	5.32E-03	9.27E-04
1233	500533.8	3733001	5.25E-03	0.00E+00	5.25E-03	9.15E-04
1234	500535.5	3733011	5.18E-03	0.00E+00	5.18E-03	9.03E-04
1235	500537.2	3733020	5.11E-03	0.00E+00	5.11E-03	8.91E-04
1236	500538.9	3733029	5.04E-03	0.00E+00	5.04E-03	8.78E-04
1237	500540.6	3733039	4.96E-03	0.00E+00	4.96E-03	8.65E-04
1238	500542.3	3733048	4.89E-03	0.00E+00	4.89E-03	8.52E-04
1239	500544	3733058	4.81E-03	0.00E+00	4.81E-03	8.39E-04
1240	500549.1	3733086	4.59E-03	0.00E+00	4.59E-03	8.00E-04
1241	500555.8	3733123	4.29E-03	0.00E+00	4.29E-03	7.48E-04
1242	500332.9	3732752	9.16E-03	0.00E+00	9.16E-03	1.60E-03
1243	500323.8	3732748	9.27E-03	0.00E+00	9.27E-03	1.62E-03
1244	500314.7	3732744	9.37E-03	0.00E+00	9.37E-03	1.63E-03
1245	500305.5	3732740	9.46E-03	0.00E+00	9.46E-03	1.65E-03
1246	500296.4	3732737	9.54E-03	0.00E+00	9.54E-03	1.66E-03
1247	500287.3	3732733	9.61E-03	0.00E+00	9.61E-03	1.67E-03
1248	500278.2	3732729	9.66E-03	0.00E+00	9.66E-03	1.68E-03
1249	500269	3732725	9.70E-03	0.00E+00	9.70E-03	1.69E-03
1250	500259.9	3732721	9.73E-03	0.00E+00	9.73E-03	1.70E-03
1251	500250.8	3732718	9.74E-03	0.00E+00	9.74E-03	1.70E-03
1252	500241.6	3732714	9.75E-03	0.00E+00	9.75E-03	1.70E-03
1253	500232.5	3732710	9.74E-03	0.00E+00	9.74E-03	1.70E-03
1254	500223.4	3732706	9.71E-03	0.00E+00	9.71E-03	1.69E-03
1255	500186.9	3732691	9.50E-03	0.00E+00	9.50E-03	1.66E-03
1256	500177.8	3732687	9.42E-03	0.00E+00	9.42E-03	1.64E-03
1257	500168.6	3732683	9.32E-03	0.00E+00	9.32E-03	1.62E-03
1258	500159.5	3732680	9.21E-03	0.00E+00	9.21E-03	1.61E-03
1259	500150.4	3732676	9.09E-03	0.00E+00	9.09E-03	1.58E-03
1260	500141.3	3732672	8.97E-03	0.00E+00	8.97E-03	1.56E-03
1261	500132.1	3732668	8.83E-03	0.00E+00	8.83E-03	1.54E-03
1262	500123	3732665	8.68E-03	0.00E+00	8.68E-03	1.51E-03

1263	500113.9	3732661	8.53E-03	0.00E+00	8.53E-03	1.49E-03
1264	500104.8	3732657	8.37E-03	0.00E+00	8.37E-03	1.46E-03
1265	500095.6	3732653	8.20E-03	0.00E+00	8.20E-03	1.43E-03
1266	500086.5	3732649	8.03E-03	0.00E+00	8.03E-03	1.40E-03
1267	500077.4	3732646	7.85E-03	0.00E+00	7.85E-03	1.37E-03
1268	500068.3	3732642	7.67E-03	0.00E+00	7.67E-03	1.34E-03
1269	500059.1	3732638	7.49E-03	0.00E+00	7.49E-03	1.30E-03
1270	500050	3732634	7.30E-03	0.00E+00	7.30E-03	1.27E-03
1271	500040.9	3732630	7.11E-03	0.00E+00	7.11E-03	1.24E-03
1272	500031.7	3732627	6.92E-03	0.00E+00	6.92E-03	1.21E-03
1273	500022.6	3732623	6.73E-03	0.00E+00	6.73E-03	1.17E-03
1274	500013.5	3732619	6.53E-03	0.00E+00	6.53E-03	1.14E-03
1275	500004.4	3732615	6.34E-03	0.00E+00	6.34E-03	1.11E-03
1276	499995.2	3732611	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1277	500351.6	3732730	8.50E-03	0.00E+00	8.50E-03	1.48E-03
1278	500358.7	3732737	8.46E-03	0.00E+00	8.46E-03	1.47E-03
1279	500365.9	3732743	8.41E-03	0.00E+00	8.41E-03	1.46E-03
1280	500373	3732749	8.35E-03	0.00E+00	8.35E-03	1.45E-03
1281	500380.2	3732756	8.28E-03	0.00E+00	8.28E-03	1.44E-03
1282	500387.3	3732762	8.21E-03	0.00E+00	8.21E-03	1.43E-03
1283	500394.5	3732768	8.13E-03	0.00E+00	8.13E-03	1.42E-03
1284	500401.6	3732775	8.04E-03	0.00E+00	8.04E-03	1.40E-03
1285	500408.8	3732781	7.94E-03	0.00E+00	7.94E-03	1.38E-03
1286	500415.9	3732788	7.83E-03	0.00E+00	7.83E-03	1.36E-03
1287	500423.1	3732794	7.72E-03	0.00E+00	7.72E-03	1.34E-03
1288	500430.2	3732800	7.60E-03	0.00E+00	7.60E-03	1.32E-03
1289	500437.4	3732807	7.47E-03	0.00E+00	7.47E-03	1.30E-03
1290	500444.5	3732813	7.34E-03	0.00E+00	7.34E-03	1.28E-03
1291	500451.7	3732819	7.21E-03	0.00E+00	7.21E-03	1.26E-03
1292	500458.8	3732826	7.07E-03	0.00E+00	7.07E-03	1.23E-03
1293	500466	3732832	6.93E-03	0.00E+00	6.93E-03	1.21E-03
1294	500473.1	3732838	6.79E-03	0.00E+00	6.79E-03	1.18E-03
1295	500480.3	3732845	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1296	500487.4	3732851	6.50E-03	0.00E+00	6.50E-03	1.13E-03
1297	500494.6	3732857	6.35E-03	0.00E+00	6.35E-03	1.11E-03
1298	500501.7	3732864	6.20E-03	0.00E+00	6.20E-03	1.08E-03
1299	500508.9	3732870	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1300	500516	3732876	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1301	500523.2	3732883	5.75E-03	0.00E+00	5.75E-03	1.00E-03
1302	500530.3	3732889	5.60E-03	0.00E+00	5.60E-03	9.75E-04
1303	500537.5	3732896	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1304	500546.3	3732911	5.25E-03	0.00E+00	5.25E-03	9.15E-04
1305	500548	3732921	5.20E-03	0.00E+00	5.20E-03	9.06E-04
1306	500549.7	3732930	5.15E-03	0.00E+00	5.15E-03	8.97E-04
1307	500556.6	3732968	4.92E-03	0.00E+00	4.92E-03	8.57E-04
1308	500558.3	3732977	4.86E-03	0.00E+00	4.86E-03	8.46E-04
1309	500560	3732987	4.79E-03	0.00E+00	4.79E-03	8.35E-04

1310	500561.7	3732996	4.73E-03	0.00E+00	4.73E-03	8.24E-04
1311	500563.4	3733005	4.66E-03	0.00E+00	4.66E-03	8.13E-04
1312	500565.1	3733015	4.60E-03	0.00E+00	4.60E-03	8.01E-04
1313	500566.8	3733024	4.53E-03	0.00E+00	4.53E-03	7.89E-04
1314	500568.5	3733034	4.46E-03	0.00E+00	4.46E-03	7.78E-04
1315	500570.2	3733043	4.40E-03	0.00E+00	4.40E-03	7.66E-04
1316	500571.9	3733053	4.33E-03	0.00E+00	4.33E-03	7.54E-04
1317	500573.6	3733062	4.26E-03	0.00E+00	4.26E-03	7.42E-04
1318	500575.3	3733071	4.19E-03	0.00E+00	4.19E-03	7.31E-04
1319	500577	3733081	4.13E-03	0.00E+00	4.13E-03	7.19E-04
1320	500578.7	3733090	4.06E-03	0.00E+00	4.06E-03	7.07E-04
1321	500580.4	3733100	3.99E-03	0.00E+00	3.99E-03	6.96E-04
1322	500583.8	3733118	3.86E-03	0.00E+00	3.86E-03	6.73E-04
1323	500585.5	3733128	3.80E-03	0.00E+00	3.80E-03	6.62E-04
1324	500590.6	3733156	3.61E-03	0.00E+00	3.61E-03	6.30E-04
1325	500344.4	3732724	8.52E-03	0.00E+00	8.52E-03	1.49E-03
1326	500335.3	3732720	8.62E-03	0.00E+00	8.62E-03	1.50E-03
1327	500326.2	3732716	8.70E-03	0.00E+00	8.70E-03	1.52E-03
1328	500317	3732713	8.77E-03	0.00E+00	8.77E-03	1.53E-03
1329	500307.9	3732709	8.84E-03	0.00E+00	8.84E-03	1.54E-03
1330	500298.8	3732705	8.89E-03	0.00E+00	8.89E-03	1.55E-03
1331	500289.7	3732701	8.94E-03	0.00E+00	8.94E-03	1.56E-03
1332	500280.5	3732697	8.97E-03	0.00E+00	8.97E-03	1.56E-03
1333	500271.4	3732694	8.99E-03	0.00E+00	8.99E-03	1.57E-03
1334	500262.3	3732690	9.00E-03	0.00E+00	9.00E-03	1.57E-03
1335	500253.2	3732686	9.00E-03	0.00E+00	9.00E-03	1.57E-03
1336	500244	3732682	8.99E-03	0.00E+00	8.99E-03	1.57E-03
1337	500234.9	3732679	8.97E-03	0.00E+00	8.97E-03	1.56E-03
1338	500225.8	3732675	8.93E-03	0.00E+00	8.93E-03	1.56E-03
1339	500189.3	3732660	8.69E-03	0.00E+00	8.69E-03	1.51E-03
1340	500180.1	3732656	8.61E-03	0.00E+00	8.61E-03	1.50E-03
1341	500171	3732652	8.51E-03	0.00E+00	8.51E-03	1.48E-03
1342	500161.9	3732648	8.41E-03	0.00E+00	8.41E-03	1.47E-03
1343	500152.8	3732644	8.30E-03	0.00E+00	8.30E-03	1.45E-03
1344	500143.6	3732641	8.18E-03	0.00E+00	8.18E-03	1.42E-03
1345	500134.5	3732637	8.05E-03	0.00E+00	8.05E-03	1.40E-03
1346	500125.4	3732633	7.91E-03	0.00E+00	7.91E-03	1.38E-03
1347	500116.3	3732629	7.77E-03	0.00E+00	7.77E-03	1.35E-03
1348	500107.1	3732625	7.62E-03	0.00E+00	7.62E-03	1.33E-03
1349	500098	3732622	7.47E-03	0.00E+00	7.47E-03	1.30E-03
1350	500088.9	3732618	7.32E-03	0.00E+00	7.32E-03	1.27E-03
1351	500079.8	3732614	7.16E-03	0.00E+00	7.16E-03	1.25E-03
1352	500070.6	3732610	6.99E-03	0.00E+00	6.99E-03	1.22E-03
1353	500061.5	3732606	6.83E-03	0.00E+00	6.83E-03	1.19E-03
1354	500052.4	3732603	6.66E-03	0.00E+00	6.66E-03	1.16E-03
1355	500043.3	3732599	6.49E-03	0.00E+00	6.49E-03	1.13E-03
1356	500034.1	3732595	6.32E-03	0.00E+00	6.32E-03	1.10E-03

1357	500025	3732591	6.15E-03	0.00E+00	6.15E-03	1.07E-03
1358	500015.9	3732588	5.99E-03	0.00E+00	5.99E-03	1.04E-03
1359	500006.8	3732584	5.82E-03	0.00E+00	5.82E-03	1.01E-03
1360	500363.1	3732703	7.93E-03	0.00E+00	7.93E-03	1.38E-03
1361	500370.3	3732709	7.90E-03	0.00E+00	7.90E-03	1.38E-03
1362	500377.4	3732715	7.86E-03	0.00E+00	7.86E-03	1.37E-03
1363	500384.6	3732722	7.81E-03	0.00E+00	7.81E-03	1.36E-03
1364	500391.7	3732728	7.76E-03	0.00E+00	7.76E-03	1.35E-03
1365	500398.9	3732734	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1366	500406.1	3732741	7.63E-03	0.00E+00	7.63E-03	1.33E-03
1367	500413.2	3732747	7.55E-03	0.00E+00	7.55E-03	1.32E-03
1368	500420.4	3732754	7.47E-03	0.00E+00	7.47E-03	1.30E-03
1369	500427.6	3732760	7.37E-03	0.00E+00	7.37E-03	1.28E-03
1370	500434.7	3732766	7.28E-03	0.00E+00	7.28E-03	1.27E-03
1371	500441.9	3732773	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1372	500449	3732779	7.07E-03	0.00E+00	7.07E-03	1.23E-03
1373	500456.2	3732785	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1374	500463.4	3732792	6.84E-03	0.00E+00	6.84E-03	1.19E-03
1375	500470.5	3732798	6.72E-03	0.00E+00	6.72E-03	1.17E-03
1376	500477.7	3732804	6.59E-03	0.00E+00	6.59E-03	1.15E-03
1377	500484.9	3732811	6.47E-03	0.00E+00	6.47E-03	1.13E-03
1378	500492	3732817	6.34E-03	0.00E+00	6.34E-03	1.10E-03
1379	500499.2	3732824	6.21E-03	0.00E+00	6.21E-03	1.08E-03
1380	500506.3	3732830	6.07E-03	0.00E+00	6.07E-03	1.06E-03
1381	500513.5	3732836	5.94E-03	0.00E+00	5.94E-03	1.03E-03
1382	500520.7	3732843	5.80E-03	0.00E+00	5.80E-03	1.01E-03
1383	500527.8	3732849	5.67E-03	0.00E+00	5.67E-03	9.87E-04
1384	500535	3732855	5.53E-03	0.00E+00	5.53E-03	9.64E-04
1385	500542.2	3732862	5.39E-03	0.00E+00	5.39E-03	9.40E-04
1386	500549.3	3732868	5.26E-03	0.00E+00	5.26E-03	9.16E-04
1387	500556.5	3732874	5.12E-03	0.00E+00	5.12E-03	8.93E-04
1388	500563.6	3732881	4.99E-03	0.00E+00	4.99E-03	8.70E-04
1389	500572.5	3732897	4.81E-03	0.00E+00	4.81E-03	8.39E-04
1390	500574.2	3732906	4.76E-03	0.00E+00	4.76E-03	8.30E-04
1391	500575.9	3732916	4.72E-03	0.00E+00	4.72E-03	8.22E-04
1392	500577.6	3732925	4.66E-03	0.00E+00	4.66E-03	8.13E-04
1393	500579.3	3732934	4.61E-03	0.00E+00	4.61E-03	8.04E-04
1394	500584.4	3732963	4.45E-03	0.00E+00	4.45E-03	7.75E-04
1395	500586.1	3732972	4.39E-03	0.00E+00	4.39E-03	7.65E-04
1396	500587.8	3732982	4.33E-03	0.00E+00	4.33E-03	7.55E-04
1397	500589.6	3732991	4.27E-03	0.00E+00	4.27E-03	7.44E-04
1398	500591.3	3733000	4.21E-03	0.00E+00	4.21E-03	7.34E-04
1399	500593	3733010	4.15E-03	0.00E+00	4.15E-03	7.24E-04
1400	500594.7	3733019	4.09E-03	0.00E+00	4.09E-03	7.13E-04
1401	500596.4	3733029	4.03E-03	0.00E+00	4.03E-03	7.03E-04
1402	500598.1	3733038	3.97E-03	0.00E+00	3.97E-03	6.92E-04
1403	500599.8	3733048	3.91E-03	0.00E+00	3.91E-03	6.81E-04

1404	500601.5	3733057	3.85E-03	0.00E+00	3.85E-03	6.71E-04
1405	500603.2	3733066	3.79E-03	0.00E+00	3.79E-03	6.60E-04
1406	500604.9	3733076	3.73E-03	0.00E+00	3.73E-03	6.50E-04
1407	500606.6	3733085	3.67E-03	0.00E+00	3.67E-03	6.40E-04
1408	500608.3	3733095	3.61E-03	0.00E+00	3.61E-03	6.29E-04
1409	500610	3733104	3.55E-03	0.00E+00	3.55E-03	6.19E-04
1410	500611.7	3733114	3.50E-03	0.00E+00	3.50E-03	6.09E-04
1411	500613.4	3733123	3.44E-03	0.00E+00	3.44E-03	5.99E-04
1412	500615.1	3733132	3.38E-03	0.00E+00	3.38E-03	5.90E-04
1413	500616.8	3733142	3.33E-03	0.00E+00	3.33E-03	5.80E-04
1414	500618.5	3733151	3.28E-03	0.00E+00	3.28E-03	5.71E-04
1415	500355.9	3732696	7.95E-03	0.00E+00	7.95E-03	1.39E-03
1416	500346.8	3732692	8.03E-03	0.00E+00	8.03E-03	1.40E-03
1417	500337.7	3732689	8.10E-03	0.00E+00	8.10E-03	1.41E-03
1418	500328.6	3732685	8.16E-03	0.00E+00	8.16E-03	1.42E-03
1419	500319.4	3732681	8.22E-03	0.00E+00	8.22E-03	1.43E-03
1420	500310.3	3732677	8.26E-03	0.00E+00	8.26E-03	1.44E-03
1421	500301.2	3732674	8.30E-03	0.00E+00	8.30E-03	1.45E-03
1422	500292	3732670	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1423	500282.9	3732666	8.34E-03	0.00E+00	8.34E-03	1.45E-03
1424	500273.8	3732662	8.35E-03	0.00E+00	8.35E-03	1.45E-03
1425	500264.7	3732658	8.35E-03	0.00E+00	8.35E-03	1.45E-03
1426	500255.5	3732655	8.33E-03	0.00E+00	8.33E-03	1.45E-03
1427	500246.4	3732651	8.31E-03	0.00E+00	8.31E-03	1.45E-03
1428	500237.3	3732647	8.28E-03	0.00E+00	8.28E-03	1.44E-03
1429	500228.2	3732643	8.24E-03	0.00E+00	8.24E-03	1.44E-03
1430	500191.7	3732628	7.98E-03	0.00E+00	7.98E-03	1.39E-03
1431	500182.5	3732624	7.90E-03	0.00E+00	7.90E-03	1.38E-03
1432	500173.4	3732620	7.81E-03	0.00E+00	7.81E-03	1.36E-03
1433	500045.6	3732567	5.96E-03	0.00E+00	5.96E-03	1.04E-03
1434	500036.5	3732564	5.81E-03	0.00E+00	5.81E-03	1.01E-03
1435	500027.4	3732560	5.66E-03	0.00E+00	5.66E-03	9.86E-04
1436	500018.3	3732556	5.51E-03	0.00E+00	5.51E-03	9.60E-04
1437	500374.6	3732675	7.43E-03	0.00E+00	7.43E-03	1.29E-03
1438	500381.8	3732681	7.40E-03	0.00E+00	7.40E-03	1.29E-03
1439	500389	3732688	7.37E-03	0.00E+00	7.37E-03	1.28E-03
1440	500396.1	3732694	7.33E-03	0.00E+00	7.33E-03	1.28E-03
1441	500403.3	3732700	7.29E-03	0.00E+00	7.29E-03	1.27E-03
1442	500410.5	3732707	7.23E-03	0.00E+00	7.23E-03	1.26E-03
1443	500417.6	3732713	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1444	500424.8	3732720	7.11E-03	0.00E+00	7.11E-03	1.24E-03
1445	500432	3732726	7.03E-03	0.00E+00	7.03E-03	1.23E-03
1446	500439.2	3732732	6.96E-03	0.00E+00	6.96E-03	1.21E-03
1447	500446.3	3732739	6.87E-03	0.00E+00	6.87E-03	1.20E-03
1448	500453.5	3732745	6.78E-03	0.00E+00	6.78E-03	1.18E-03
1449	500460.7	3732751	6.69E-03	0.00E+00	6.69E-03	1.17E-03
1450	500467.9	3732758	6.59E-03	0.00E+00	6.59E-03	1.15E-03

1451	500475	3732764	6.49E-03	0.00E+00	6.49E-03	1.13E-03
1452	500482.2	3732771	6.39E-03	0.00E+00	6.39E-03	1.11E-03
1453	500489.4	3732777	6.28E-03	0.00E+00	6.28E-03	1.09E-03
1454	500496.5	3732783	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1455	500503.7	3732790	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1456	500510.9	3732796	5.93E-03	0.00E+00	5.93E-03	1.03E-03
1457	500518.1	3732802	5.81E-03	0.00E+00	5.81E-03	1.01E-03
1458	500525.2	3732809	5.69E-03	0.00E+00	5.69E-03	9.92E-04
1459	500532.4	3732815	5.57E-03	0.00E+00	5.57E-03	9.70E-04
1460	500539.6	3732822	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1461	500546.8	3732828	5.32E-03	0.00E+00	5.32E-03	9.28E-04
1462	500553.9	3732834	5.20E-03	0.00E+00	5.20E-03	9.06E-04
1463	500561.1	3732841	5.08E-03	0.00E+00	5.08E-03	8.85E-04
1464	500568.3	3732847	4.95E-03	0.00E+00	4.95E-03	8.63E-04
1465	500575.4	3732853	4.83E-03	0.00E+00	4.83E-03	8.41E-04
1466	500582.6	3732860	4.71E-03	0.00E+00	4.71E-03	8.20E-04
1467	500589.8	3732866	4.59E-03	0.00E+00	4.59E-03	7.99E-04
1468	500598.7	3732882	4.43E-03	0.00E+00	4.43E-03	7.71E-04
1469	500600.4	3732891	4.38E-03	0.00E+00	4.38E-03	7.63E-04
1470	500602.1	3732901	4.34E-03	0.00E+00	4.34E-03	7.56E-04
1471	500603.8	3732910	4.29E-03	0.00E+00	4.29E-03	7.47E-04
1472	500605.5	3732920	4.24E-03	0.00E+00	4.24E-03	7.39E-04
1473	500607.2	3732929	4.19E-03	0.00E+00	4.19E-03	7.30E-04
1474	500614	3732967	3.99E-03	0.00E+00	3.99E-03	6.95E-04
1475	500615.7	3732976	3.93E-03	0.00E+00	3.93E-03	6.85E-04
1476	500617.4	3732986	3.88E-03	0.00E+00	3.88E-03	6.76E-04
1477	500619.1	3732995	3.83E-03	0.00E+00	3.83E-03	6.66E-04
1478	500620.9	3733005	3.77E-03	0.00E+00	3.77E-03	6.57E-04
1479	500622.6	3733014	3.72E-03	0.00E+00	3.72E-03	6.47E-04
1480	500624.3	3733024	3.66E-03	0.00E+00	3.66E-03	6.38E-04
1481	500626	3733033	3.61E-03	0.00E+00	3.61E-03	6.28E-04
1482	500627.7	3733042	3.55E-03	0.00E+00	3.55E-03	6.19E-04
1483	500629.4	3733052	3.50E-03	0.00E+00	3.50E-03	6.09E-04
1484	500631.1	3733061	3.44E-03	0.00E+00	3.44E-03	6.00E-04
1485	500632.8	3733071	3.39E-03	0.00E+00	3.39E-03	5.91E-04
1486	500634.5	3733080	3.34E-03	0.00E+00	3.34E-03	5.82E-04
1487	500636.2	3733090	3.29E-03	0.00E+00	3.29E-03	5.72E-04
1488	500637.9	3733099	3.23E-03	0.00E+00	3.23E-03	5.63E-04
1489	500639.6	3733109	3.18E-03	0.00E+00	3.18E-03	5.55E-04
1490	500641.3	3733118	3.13E-03	0.00E+00	3.13E-03	5.46E-04
1491	500643	3733127	3.08E-03	0.00E+00	3.08E-03	5.37E-04
1492	500644.8	3733137	3.04E-03	0.00E+00	3.04E-03	5.29E-04
1493	500646.5	3733146	2.99E-03	0.00E+00	2.99E-03	5.21E-04
1494	500648.2	3733156	2.94E-03	0.00E+00	2.94E-03	5.13E-04
1495	500649.9	3733165	2.90E-03	0.00E+00	2.90E-03	5.05E-04
1496	500367.4	3732669	7.44E-03	0.00E+00	7.44E-03	1.30E-03
1497	500358.3	3732665	7.51E-03	0.00E+00	7.51E-03	1.31E-03

1498	500349.2	3732661	7.57E-03	0.00E+00	7.57E-03	1.32E-03
1499	500340.1	3732657	7.62E-03	0.00E+00	7.62E-03	1.33E-03
1500	500330.9	3732653	7.66E-03	0.00E+00	7.66E-03	1.34E-03
1501	500321.8	3732650	7.70E-03	0.00E+00	7.70E-03	1.34E-03
1502	500312.7	3732646	7.73E-03	0.00E+00	7.73E-03	1.35E-03
1503	500303.6	3732642	7.75E-03	0.00E+00	7.75E-03	1.35E-03
1504	500294.4	3732638	7.76E-03	0.00E+00	7.76E-03	1.35E-03
1505	500285.3	3732634	7.77E-03	0.00E+00	7.77E-03	1.35E-03
1506	500276.2	3732631	7.76E-03	0.00E+00	7.76E-03	1.35E-03
1507	500194	3732597	7.35E-03	0.00E+00	7.35E-03	1.28E-03
1508	500184.9	3732593	7.27E-03	0.00E+00	7.27E-03	1.27E-03
1509	500175.8	3732589	7.18E-03	0.00E+00	7.18E-03	1.25E-03
1510	500166.7	3732585	7.09E-03	0.00E+00	7.09E-03	1.23E-03
1511	500157.5	3732581	6.99E-03	0.00E+00	6.99E-03	1.22E-03
1512	500148.4	3732578	6.88E-03	0.00E+00	6.88E-03	1.20E-03
1513	500139.3	3732574	6.77E-03	0.00E+00	6.77E-03	1.18E-03
1514	500130.2	3732570	6.65E-03	0.00E+00	6.65E-03	1.16E-03
1515	500121	3732566	6.53E-03	0.00E+00	6.53E-03	1.14E-03
1516	500111.9	3732562	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1517	500102.8	3732559	6.29E-03	0.00E+00	6.29E-03	1.10E-03
1518	500093.7	3732555	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1519	500084.5	3732551	6.03E-03	0.00E+00	6.03E-03	1.05E-03
1520	500075.4	3732547	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1521	500066.3	3732543	5.76E-03	0.00E+00	5.76E-03	1.00E-03
1522	500057.1	3732540	5.63E-03	0.00E+00	5.63E-03	9.81E-04
1523	500048	3732536	5.49E-03	0.00E+00	5.49E-03	9.57E-04
1524	500386.1	3732647	6.97E-03	0.00E+00	6.97E-03	1.21E-03
1525	500393.3	3732654	6.95E-03	0.00E+00	6.95E-03	1.21E-03
1526	500400.5	3732660	6.92E-03	0.00E+00	6.92E-03	1.21E-03
1527	500407.7	3732666	6.89E-03	0.00E+00	6.89E-03	1.20E-03
1528	500414.9	3732673	6.85E-03	0.00E+00	6.85E-03	1.19E-03
1529	500422	3732679	6.81E-03	0.00E+00	6.81E-03	1.19E-03
1530	500429.2	3732686	6.76E-03	0.00E+00	6.76E-03	1.18E-03
1531	500436.4	3732692	6.70E-03	0.00E+00	6.70E-03	1.17E-03
1532	500443.6	3732698	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1533	500450.8	3732705	6.57E-03	0.00E+00	6.57E-03	1.15E-03
1534	500457.9	3732711	6.50E-03	0.00E+00	6.50E-03	1.13E-03
1535	500465.1	3732717	6.43E-03	0.00E+00	6.43E-03	1.12E-03
1536	500472.3	3732724	6.34E-03	0.00E+00	6.34E-03	1.11E-03
1537	500479.5	3732730	6.26E-03	0.00E+00	6.26E-03	1.09E-03
1538	500486.7	3732737	6.17E-03	0.00E+00	6.17E-03	1.07E-03
1539	500493.9	3732743	6.08E-03	0.00E+00	6.08E-03	1.06E-03
1540	500501	3732749	5.98E-03	0.00E+00	5.98E-03	1.04E-03
1541	500508.2	3732756	5.88E-03	0.00E+00	5.88E-03	1.02E-03
1542	500515.4	3732762	5.78E-03	0.00E+00	5.78E-03	1.01E-03
1543	500522.6	3732769	5.67E-03	0.00E+00	5.67E-03	9.88E-04
1544	500529.8	3732775	5.57E-03	0.00E+00	5.57E-03	9.70E-04

1545	500536.9	3732781	5.46E-03	0.00E+00	5.46E-03	9.51E-04
1546	500544.1	3732788	5.35E-03	0.00E+00	5.35E-03	9.32E-04
1547	500551.3	3732794	5.24E-03	0.00E+00	5.24E-03	9.12E-04
1548	500558.5	3732800	5.13E-03	0.00E+00	5.13E-03	8.93E-04
1549	500565.7	3732807	5.01E-03	0.00E+00	5.01E-03	8.73E-04
1550	500572.8	3732813	4.90E-03	0.00E+00	4.90E-03	8.54E-04
1551	500580	3732820	4.79E-03	0.00E+00	4.79E-03	8.34E-04
1552	500587.2	3732826	4.67E-03	0.00E+00	4.67E-03	8.14E-04
1553	500594.4	3732832	4.56E-03	0.00E+00	4.56E-03	7.95E-04
1554	500601.6	3732839	4.45E-03	0.00E+00	4.45E-03	7.75E-04
1555	500608.8	3732845	4.34E-03	0.00E+00	4.34E-03	7.56E-04
1556	500615.9	3732851	4.23E-03	0.00E+00	4.23E-03	7.38E-04
1557	500624.8	3732867	4.09E-03	0.00E+00	4.09E-03	7.12E-04
1558	500626.5	3732877	4.05E-03	0.00E+00	4.05E-03	7.05E-04
1559	500628.2	3732886	4.00E-03	0.00E+00	4.00E-03	6.98E-04
1560	500630	3732896	3.96E-03	0.00E+00	3.96E-03	6.90E-04
1561	500631.7	3732905	3.92E-03	0.00E+00	3.92E-03	6.82E-04
1562	500633.4	3732915	3.87E-03	0.00E+00	3.87E-03	6.74E-04
1563	500635.1	3732924	3.82E-03	0.00E+00	3.82E-03	6.66E-04
1564	500636.8	3732933	3.78E-03	0.00E+00	3.78E-03	6.58E-04
1565	500641.9	3732962	3.63E-03	0.00E+00	3.63E-03	6.33E-04
1566	500643.6	3732971	3.59E-03	0.00E+00	3.59E-03	6.25E-04
1567	500645.3	3732981	3.54E-03	0.00E+00	3.54E-03	6.16E-04
1568	500647	3732990	3.49E-03	0.00E+00	3.49E-03	6.08E-04
1569	500648.8	3733000	3.44E-03	0.00E+00	3.44E-03	5.99E-04
1570	500650.5	3733009	3.39E-03	0.00E+00	3.39E-03	5.90E-04
1571	500652.2	3733019	3.34E-03	0.00E+00	3.34E-03	5.82E-04
1572	500653.9	3733028	3.29E-03	0.00E+00	3.29E-03	5.73E-04
1573	500655.6	3733037	3.24E-03	0.00E+00	3.24E-03	5.65E-04
1574	500657.3	3733047	3.19E-03	0.00E+00	3.19E-03	5.56E-04
1575	500659	3733056	3.14E-03	0.00E+00	3.14E-03	5.48E-04
1576	500660.7	3733066	3.10E-03	0.00E+00	3.10E-03	5.39E-04
1577	500662.4	3733075	3.05E-03	0.00E+00	3.05E-03	5.31E-04
1578	500664.1	3733085	3.00E-03	0.00E+00	3.00E-03	5.23E-04
1579	500665.8	3733094	2.96E-03	0.00E+00	2.96E-03	5.15E-04
1580	500667.6	3733104	2.91E-03	0.00E+00	2.91E-03	5.07E-04
1581	500669.3	3733113	2.87E-03	0.00E+00	2.87E-03	4.99E-04
1582	500671	3733123	2.82E-03	0.00E+00	2.82E-03	4.92E-04
1583	500672.7	3733132	2.78E-03	0.00E+00	2.78E-03	4.84E-04
1584	500674.4	3733141	2.74E-03	0.00E+00	2.74E-03	4.77E-04
1585	500676.1	3733151	2.70E-03	0.00E+00	2.70E-03	4.70E-04
1586	500677.8	3733160	2.66E-03	0.00E+00	2.66E-03	4.63E-04
1587	500679.5	3733170	2.62E-03	0.00E+00	2.62E-03	4.56E-04
1588	500378.9	3732641	6.98E-03	0.00E+00	6.98E-03	1.22E-03
1589	500369.8	3732637	7.04E-03	0.00E+00	7.04E-03	1.23E-03
1590	500360.7	3732633	7.09E-03	0.00E+00	7.09E-03	1.23E-03
1591	500351.6	3732630	7.13E-03	0.00E+00	7.13E-03	1.24E-03

1592	500342.4	3732626	7.17E-03	0.00E+00	7.17E-03	1.25E-03
1593	500333.3	3732622	7.20E-03	0.00E+00	7.20E-03	1.25E-03
1594	500296.8	3732607	7.25E-03	0.00E+00	7.25E-03	1.26E-03
1595	500287.7	3732603	7.24E-03	0.00E+00	7.24E-03	1.26E-03
1596	500278.6	3732599	7.23E-03	0.00E+00	7.23E-03	1.26E-03
1597	500269.4	3732595	7.21E-03	0.00E+00	7.21E-03	1.26E-03
1598	500260.3	3732592	7.18E-03	0.00E+00	7.18E-03	1.25E-03
1599	500251.2	3732588	7.15E-03	0.00E+00	7.15E-03	1.25E-03
1600	500242.1	3732584	7.10E-03	0.00E+00	7.10E-03	1.24E-03
1601	500232.9	3732580	7.06E-03	0.00E+00	7.06E-03	1.23E-03
1602	500187.3	3732561	6.71E-03	0.00E+00	6.71E-03	1.17E-03
1603	500178.2	3732557	6.63E-03	0.00E+00	6.63E-03	1.15E-03
1604	500169	3732554	6.54E-03	0.00E+00	6.54E-03	1.14E-03
1605	500159.9	3732550	6.44E-03	0.00E+00	6.44E-03	1.12E-03
1606	500150.8	3732546	6.35E-03	0.00E+00	6.35E-03	1.11E-03
1607	500141.7	3732542	6.24E-03	0.00E+00	6.24E-03	1.09E-03
1608	500132.5	3732539	6.14E-03	0.00E+00	6.14E-03	1.07E-03
1609	500123.4	3732535	6.03E-03	0.00E+00	6.03E-03	1.05E-03
1610	500114.3	3732531	5.92E-03	0.00E+00	5.92E-03	1.03E-03
1611	500105.2	3732527	5.80E-03	0.00E+00	5.80E-03	1.01E-03
1612	500096	3732523	5.68E-03	0.00E+00	5.68E-03	9.90E-04
1613	500086.9	3732520	5.57E-03	0.00E+00	5.57E-03	9.70E-04
1614	500077.8	3732516	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1615	500068.7	3732512	5.33E-03	0.00E+00	5.33E-03	9.28E-04
1616	500059.5	3732508	5.21E-03	0.00E+00	5.21E-03	9.07E-04
1617	500050.4	3732504	5.09E-03	0.00E+00	5.09E-03	8.86E-04
1618	500041.3	3732501	4.97E-03	0.00E+00	4.97E-03	8.65E-04
1619	500401.6	3732610	6.42E-03	0.00E+00	6.42E-03	1.12E-03
1620	500408.9	3732617	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1621	500416.3	3732623	6.39E-03	0.00E+00	6.39E-03	1.11E-03
1622	500423.6	3732630	6.36E-03	0.00E+00	6.36E-03	1.11E-03
1623	500430.9	3732636	6.33E-03	0.00E+00	6.33E-03	1.10E-03
1624	500438.2	3732643	6.30E-03	0.00E+00	6.30E-03	1.10E-03
1625	500445.6	3732650	6.26E-03	0.00E+00	6.26E-03	1.09E-03
1626	500452.9	3732656	6.21E-03	0.00E+00	6.21E-03	1.08E-03
1627	500460.2	3732663	6.16E-03	0.00E+00	6.16E-03	1.07E-03
1628	500467.5	3732669	6.10E-03	0.00E+00	6.10E-03	1.06E-03
1629	500474.9	3732676	6.04E-03	0.00E+00	6.04E-03	1.05E-03
1630	500482.2	3732682	5.97E-03	0.00E+00	5.97E-03	1.04E-03
1631	500489.5	3732689	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1632	500496.8	3732695	5.83E-03	0.00E+00	5.83E-03	1.02E-03
1633	500504.2	3732702	5.75E-03	0.00E+00	5.75E-03	1.00E-03
1634	500511.5	3732708	5.67E-03	0.00E+00	5.67E-03	9.88E-04
1635	500518.8	3732715	5.59E-03	0.00E+00	5.59E-03	9.73E-04
1636	500526.1	3732721	5.50E-03	0.00E+00	5.50E-03	9.58E-04
1637	500533.5	3732728	5.41E-03	0.00E+00	5.41E-03	9.42E-04
1638	500540.8	3732734	5.32E-03	0.00E+00	5.32E-03	9.26E-04

1639	500548.1	3732741	5.22E-03	0.00E+00	5.22E-03	9.10E-04
1640	500555.4	3732747	5.13E-03	0.00E+00	5.13E-03	8.93E-04
1641	500562.8	3732754	5.03E-03	0.00E+00	5.03E-03	8.76E-04
1642	500570.1	3732760	4.93E-03	0.00E+00	4.93E-03	8.59E-04
1643	500577.4	3732767	4.83E-03	0.00E+00	4.83E-03	8.41E-04
1644	500584.7	3732773	4.72E-03	0.00E+00	4.72E-03	8.23E-04
1645	500592.1	3732780	4.62E-03	0.00E+00	4.62E-03	8.05E-04
1646	500599.4	3732786	4.52E-03	0.00E+00	4.52E-03	7.88E-04
1647	500606.7	3732793	4.42E-03	0.00E+00	4.42E-03	7.70E-04
1648	500614	3732799	4.32E-03	0.00E+00	4.32E-03	7.52E-04
1649	500621.4	3732806	4.22E-03	0.00E+00	4.22E-03	7.35E-04
1650	500628.7	3732812	4.12E-03	0.00E+00	4.12E-03	7.18E-04
1651	500636	3732819	4.02E-03	0.00E+00	4.02E-03	7.00E-04
1652	500643.3	3732825	3.92E-03	0.00E+00	3.92E-03	6.83E-04
1653	500650.7	3732832	3.82E-03	0.00E+00	3.82E-03	6.66E-04
1654	500659.7	3732848	3.69E-03	0.00E+00	3.69E-03	6.43E-04
1655	500661.5	3732858	3.65E-03	0.00E+00	3.65E-03	6.37E-04
1656	500663.2	3732867	3.62E-03	0.00E+00	3.62E-03	6.30E-04
1657	500665	3732877	3.58E-03	0.00E+00	3.58E-03	6.23E-04
1658	500666.7	3732886	3.54E-03	0.00E+00	3.54E-03	6.16E-04
1659	500668.5	3732896	3.49E-03	0.00E+00	3.49E-03	6.09E-04
1660	500670.2	3732906	3.45E-03	0.00E+00	3.45E-03	6.02E-04
1661	500671.9	3732915	3.41E-03	0.00E+00	3.41E-03	5.94E-04
1662	500673.7	3732925	3.37E-03	0.00E+00	3.37E-03	5.87E-04
1663	500675.4	3732935	3.32E-03	0.00E+00	3.32E-03	5.79E-04
1664	500680.7	3732964	3.19E-03	0.00E+00	3.19E-03	5.56E-04
1665	500682.4	3732973	3.15E-03	0.00E+00	3.15E-03	5.49E-04
1666	500684.1	3732983	3.10E-03	0.00E+00	3.10E-03	5.41E-04
1667	500685.9	3732993	3.06E-03	0.00E+00	3.06E-03	5.33E-04
1668	500687.6	3733002	3.02E-03	0.00E+00	3.02E-03	5.25E-04
1669	500689.4	3733012	2.97E-03	0.00E+00	2.97E-03	5.18E-04
1670	500691.1	3733021	2.93E-03	0.00E+00	2.93E-03	5.10E-04
1671	500692.9	3733031	2.88E-03	0.00E+00	2.88E-03	5.03E-04
1672	500694.6	3733041	2.84E-03	0.00E+00	2.84E-03	4.95E-04
1673	500696.3	3733050	2.80E-03	0.00E+00	2.80E-03	4.88E-04
1674	500698.1	3733060	2.76E-03	0.00E+00	2.76E-03	4.80E-04
1675	500699.8	3733070	2.72E-03	0.00E+00	2.72E-03	4.73E-04
1676	500701.6	3733079	2.67E-03	0.00E+00	2.67E-03	4.66E-04
1677	500703.3	3733089	2.63E-03	0.00E+00	2.63E-03	4.59E-04
1678	500705.1	3733099	2.60E-03	0.00E+00	2.60E-03	4.52E-04
1679	500706.8	3733108	2.56E-03	0.00E+00	2.56E-03	4.45E-04
1680	500708.5	3733118	2.52E-03	0.00E+00	2.52E-03	4.39E-04
1681	500710.3	3733128	2.48E-03	0.00E+00	2.48E-03	4.32E-04
1682	500712	3733137	2.44E-03	0.00E+00	2.44E-03	4.26E-04
1683	500713.8	3733147	2.41E-03	0.00E+00	2.41E-03	4.20E-04
1684	500715.5	3733156	2.37E-03	0.00E+00	2.37E-03	4.14E-04
1685	500717.3	3733166	2.34E-03	0.00E+00	2.34E-03	4.08E-04

1686	500719	3733176	2.31E-03	0.00E+00	2.31E-03	4.02E-04
1687	500376	3732596	6.52E-03	0.00E+00	6.52E-03	1.14E-03
1688	500366.9	3732593	6.55E-03	0.00E+00	6.55E-03	1.14E-03
1689	500357.8	3732589	6.58E-03	0.00E+00	6.58E-03	1.15E-03
1690	500348.7	3732585	6.61E-03	0.00E+00	6.61E-03	1.15E-03
1691	500339.5	3732581	6.62E-03	0.00E+00	6.62E-03	1.15E-03
1692	500330.4	3732577	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1693	500321.3	3732574	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1694	500312.2	3732570	6.64E-03	0.00E+00	6.64E-03	1.16E-03
1695	500303	3732566	6.63E-03	0.00E+00	6.63E-03	1.16E-03
1696	500293.9	3732562	6.62E-03	0.00E+00	6.62E-03	1.15E-03
1697	500284.8	3732558	6.60E-03	0.00E+00	6.60E-03	1.15E-03
1698	500275.7	3732555	6.58E-03	0.00E+00	6.58E-03	1.15E-03
1699	500266.5	3732551	6.54E-03	0.00E+00	6.54E-03	1.14E-03
1700	500257.4	3732547	6.51E-03	0.00E+00	6.51E-03	1.13E-03
1701	500248.3	3732543	6.46E-03	0.00E+00	6.46E-03	1.13E-03
1702	500239.1	3732539	6.41E-03	0.00E+00	6.41E-03	1.12E-03
1703	500230	3732536	6.36E-03	0.00E+00	6.36E-03	1.11E-03
1704	500193.5	3732521	6.09E-03	0.00E+00	6.09E-03	1.06E-03
1705	500184.4	3732517	6.01E-03	0.00E+00	6.01E-03	1.05E-03
1706	500175.3	3732513	5.93E-03	0.00E+00	5.93E-03	1.03E-03
1707	500166.1	3732509	5.85E-03	0.00E+00	5.85E-03	1.02E-03
1708	500157	3732505	5.76E-03	0.00E+00	5.76E-03	1.00E-03
1709	500147.9	3732502	5.67E-03	0.00E+00	5.67E-03	9.87E-04
1710	500138.8	3732498	5.57E-03	0.00E+00	5.57E-03	9.71E-04
1711	500129.6	3732494	5.47E-03	0.00E+00	5.47E-03	9.54E-04
1712	500120.5	3732490	5.38E-03	0.00E+00	5.38E-03	9.37E-04
1713	500111.4	3732486	5.27E-03	0.00E+00	5.27E-03	9.19E-04
1714	500102.3	3732483	5.17E-03	0.00E+00	5.17E-03	9.01E-04
1715	500093.1	3732479	5.07E-03	0.00E+00	5.07E-03	8.83E-04
1716	500084	3732475	4.97E-03	0.00E+00	4.97E-03	8.65E-04
1717	500074.9	3732471	4.86E-03	0.00E+00	4.86E-03	8.47E-04
1718	500065.7	3732467	4.76E-03	0.00E+00	4.76E-03	8.29E-04
1719	500056.6	3732464	4.65E-03	0.00E+00	4.65E-03	8.10E-04
1720	500416.9	3732573	5.94E-03	0.00E+00	5.94E-03	1.04E-03
1721	500424.2	3732580	5.93E-03	0.00E+00	5.93E-03	1.03E-03
1722	500431.4	3732586	5.92E-03	0.00E+00	5.92E-03	1.03E-03
1723	500453.2	3732606	5.85E-03	0.00E+00	5.85E-03	1.02E-03
1724	500460.5	3732612	5.82E-03	0.00E+00	5.82E-03	1.01E-03
1725	500467.7	3732619	5.78E-03	0.00E+00	5.78E-03	1.01E-03
1726	500475	3732625	5.74E-03	0.00E+00	5.74E-03	1.00E-03
1727	500482.3	3732632	5.69E-03	0.00E+00	5.69E-03	9.92E-04
1728	500489.5	3732638	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1729	500496.8	3732644	5.59E-03	0.00E+00	5.59E-03	9.74E-04
1730	500504.1	3732651	5.53E-03	0.00E+00	5.53E-03	9.64E-04
1731	500511.3	3732657	5.47E-03	0.00E+00	5.47E-03	9.53E-04
1732	500518.6	3732664	5.41E-03	0.00E+00	5.41E-03	9.42E-04

1733	500525.8	3732670	5.34E-03	0.00E+00	5.34E-03	9.30E-04
1734	500533.1	3732677	5.27E-03	0.00E+00	5.27E-03	9.18E-04
1735	500540.4	3732683	5.19E-03	0.00E+00	5.19E-03	9.05E-04
1736	500547.6	3732690	5.12E-03	0.00E+00	5.12E-03	8.92E-04
1737	500554.9	3732696	5.04E-03	0.00E+00	5.04E-03	8.78E-04
1738	500562.2	3732703	4.96E-03	0.00E+00	4.96E-03	8.64E-04
1739	500569.4	3732709	4.87E-03	0.00E+00	4.87E-03	8.49E-04
1740	500576.7	3732715	4.79E-03	0.00E+00	4.79E-03	8.34E-04
1741	500583.9	3732722	4.70E-03	0.00E+00	4.70E-03	8.19E-04
1742	500591.2	3732728	4.62E-03	0.00E+00	4.62E-03	8.04E-04
1743	500598.5	3732735	4.53E-03	0.00E+00	4.53E-03	7.89E-04
1744	500605.7	3732741	4.44E-03	0.00E+00	4.44E-03	7.73E-04
1745	500613	3732748	4.35E-03	0.00E+00	4.35E-03	7.58E-04
1746	500620.3	3732754	4.26E-03	0.00E+00	4.26E-03	7.42E-04
1747	500627.5	3732761	4.17E-03	0.00E+00	4.17E-03	7.27E-04
1748	500634.8	3732767	4.08E-03	0.00E+00	4.08E-03	7.11E-04
1749	500642	3732774	3.99E-03	0.00E+00	3.99E-03	6.96E-04
1750	500649.3	3732780	3.90E-03	0.00E+00	3.90E-03	6.80E-04
1751	500656.6	3732786	3.81E-03	0.00E+00	3.81E-03	6.65E-04
1752	500663.8	3732793	3.73E-03	0.00E+00	3.73E-03	6.49E-04
1753	500671.1	3732799	3.64E-03	0.00E+00	3.64E-03	6.34E-04
1754	500678.4	3732806	3.55E-03	0.00E+00	3.55E-03	6.19E-04
1755	500685.6	3732812	3.47E-03	0.00E+00	3.47E-03	6.05E-04
1756	500694.6	3732828	3.35E-03	0.00E+00	3.35E-03	5.84E-04
1757	500696.3	3732838	3.32E-03	0.00E+00	3.32E-03	5.78E-04
1758	500698.1	3732847	3.28E-03	0.00E+00	3.28E-03	5.72E-04
1759	500699.8	3732857	3.25E-03	0.00E+00	3.25E-03	5.66E-04
1760	500701.5	3732866	3.21E-03	0.00E+00	3.21E-03	5.60E-04
1761	500703.2	3732876	3.18E-03	0.00E+00	3.18E-03	5.54E-04
1762	500705	3732886	3.14E-03	0.00E+00	3.14E-03	5.47E-04
1763	500706.7	3732895	3.10E-03	0.00E+00	3.10E-03	5.41E-04
1764	500708.4	3732905	3.07E-03	0.00E+00	3.07E-03	5.34E-04
1765	500710.2	3732914	3.03E-03	0.00E+00	3.03E-03	5.28E-04
1766	500711.9	3732924	2.99E-03	0.00E+00	2.99E-03	5.21E-04
1767	500713.6	3732933	2.95E-03	0.00E+00	2.95E-03	5.14E-04
1768	500718.8	3732962	2.83E-03	0.00E+00	2.83E-03	4.94E-04
1769	500720.5	3732972	2.80E-03	0.00E+00	2.80E-03	4.87E-04
1770	500722.3	3732981	2.76E-03	0.00E+00	2.76E-03	4.80E-04
1771	500724	3732991	2.72E-03	0.00E+00	2.72E-03	4.74E-04
1772	500725.7	3733000	2.68E-03	0.00E+00	2.68E-03	4.67E-04
1773	500727.4	3733010	2.64E-03	0.00E+00	2.64E-03	4.60E-04
1774	500729.2	3733019	2.61E-03	0.00E+00	2.61E-03	4.54E-04
1775	500730.9	3733029	2.57E-03	0.00E+00	2.57E-03	4.47E-04
1776	500732.6	3733039	2.53E-03	0.00E+00	2.53E-03	4.41E-04
1777	500734.4	3733048	2.49E-03	0.00E+00	2.49E-03	4.35E-04
1778	500736.1	3733058	2.46E-03	0.00E+00	2.46E-03	4.28E-04
1779	500737.8	3733067	2.42E-03	0.00E+00	2.42E-03	4.22E-04

1780	500739.5	3733077	2.39E-03	0.00E+00	2.39E-03	4.16E-04
1781	500741.3	3733086	2.35E-03	0.00E+00	2.35E-03	4.10E-04
1782	500743	3733096	2.32E-03	0.00E+00	2.32E-03	4.04E-04
1783	500744.7	3733105	2.29E-03	0.00E+00	2.29E-03	3.99E-04
1784	500746.5	3733115	2.26E-03	0.00E+00	2.26E-03	3.93E-04
1785	500748.2	3733125	2.22E-03	0.00E+00	2.22E-03	3.88E-04
1786	500749.9	3733134	2.19E-03	0.00E+00	2.19E-03	3.82E-04
1787	500751.6	3733144	2.16E-03	0.00E+00	2.16E-03	3.77E-04
1788	500753.4	3733153	2.13E-03	0.00E+00	2.13E-03	3.72E-04
1789	500755.1	3733163	2.11E-03	0.00E+00	2.11E-03	3.67E-04
1790	500756.8	3733172	2.08E-03	0.00E+00	2.08E-03	3.62E-04
1791	500758.6	3733182	2.05E-03	0.00E+00	2.05E-03	3.57E-04
1792	500409.6	3732567	5.95E-03	0.00E+00	5.95E-03	1.04E-03
1793	500400.5	3732563	5.99E-03	0.00E+00	5.99E-03	1.04E-03
1794	500391.4	3732559	6.02E-03	0.00E+00	6.02E-03	1.05E-03
1795	500382.3	3732556	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1796	500373.1	3732552	6.07E-03	0.00E+00	6.07E-03	1.06E-03
1797	500364	3732548	6.09E-03	0.00E+00	6.09E-03	1.06E-03
1798	500354.9	3732544	6.10E-03	0.00E+00	6.10E-03	1.06E-03
1799	500345.8	3732540	6.11E-03	0.00E+00	6.11E-03	1.06E-03
1800	500336.6	3732537	6.11E-03	0.00E+00	6.11E-03	1.06E-03
1801	500327.5	3732533	6.11E-03	0.00E+00	6.11E-03	1.06E-03
1802	500318.4	3732529	6.10E-03	0.00E+00	6.10E-03	1.06E-03
1803	500309.2	3732525	6.09E-03	0.00E+00	6.09E-03	1.06E-03
1804	500300.1	3732522	6.07E-03	0.00E+00	6.07E-03	1.06E-03
1805	500291	3732518	6.05E-03	0.00E+00	6.05E-03	1.05E-03
1806	500281.9	3732514	6.02E-03	0.00E+00	6.02E-03	1.05E-03
1807	500272.7	3732510	5.99E-03	0.00E+00	5.99E-03	1.04E-03
1808	500263.6	3732506	5.95E-03	0.00E+00	5.95E-03	1.04E-03
1809	500254.5	3732503	5.90E-03	0.00E+00	5.90E-03	1.03E-03
1810	500245.4	3732499	5.86E-03	0.00E+00	5.86E-03	1.02E-03
1811	500236.2	3732495	5.80E-03	0.00E+00	5.80E-03	1.01E-03
1812	500190.6	3732476	5.48E-03	0.00E+00	5.48E-03	9.55E-04
1813	500181.5	3732472	5.41E-03	0.00E+00	5.41E-03	9.42E-04
1814	500172.4	3732468	5.33E-03	0.00E+00	5.33E-03	9.29E-04
1815	500163.2	3732465	5.25E-03	0.00E+00	5.25E-03	9.15E-04
1816	500154.1	3732461	5.17E-03	0.00E+00	5.17E-03	9.01E-04
1817	500145	3732457	5.09E-03	0.00E+00	5.09E-03	8.86E-04
1818	500135.8	3732453	5.00E-03	0.00E+00	5.00E-03	8.71E-04
1819	500126.7	3732449	4.91E-03	0.00E+00	4.91E-03	8.56E-04
1820	500117.6	3732446	4.82E-03	0.00E+00	4.82E-03	8.40E-04
1821	500108.5	3732442	4.73E-03	0.00E+00	4.73E-03	8.25E-04
1822	500099.3	3732438	4.64E-03	0.00E+00	4.64E-03	8.09E-04
1823	500090.2	3732434	4.55E-03	0.00E+00	4.55E-03	7.93E-04
1824	500081.1	3732431	4.46E-03	0.00E+00	4.46E-03	7.77E-04
1825	500072	3732427	4.37E-03	0.00E+00	4.37E-03	7.61E-04
1826	500432.4	3732537	5.52E-03	0.00E+00	5.52E-03	9.61E-04

1827	500439.8	3732543	5.51E-03	0.00E+00	5.51E-03	9.60E-04
1828	500447.1	3732550	5.50E-03	0.00E+00	5.50E-03	9.59E-04
1829	500454.5	3732556	5.49E-03	0.00E+00	5.49E-03	9.56E-04
1830	500461.9	3732563	5.47E-03	0.00E+00	5.47E-03	9.53E-04
1831	500469.3	3732569	5.45E-03	0.00E+00	5.45E-03	9.49E-04
1832	500476.7	3732576	5.42E-03	0.00E+00	5.42E-03	9.44E-04
1833	500498.8	3732596	5.31E-03	0.00E+00	5.31E-03	9.26E-04
1834	500506.2	3732602	5.27E-03	0.00E+00	5.27E-03	9.19E-04
1835	500513.6	3732609	5.23E-03	0.00E+00	5.23E-03	9.10E-04
1836	500521	3732615	5.18E-03	0.00E+00	5.18E-03	9.02E-04
1837	500528.4	3732622	5.12E-03	0.00E+00	5.12E-03	8.93E-04
1838	500535.8	3732628	5.07E-03	0.00E+00	5.07E-03	8.83E-04
1839	500543.1	3732635	5.01E-03	0.00E+00	5.01E-03	8.72E-04
1840	500550.5	3732642	4.94E-03	0.00E+00	4.94E-03	8.62E-04
1841	500557.9	3732648	4.88E-03	0.00E+00	4.88E-03	8.50E-04
1842	500565.3	3732655	4.81E-03	0.00E+00	4.81E-03	8.38E-04
1843	500572.7	3732661	4.74E-03	0.00E+00	4.74E-03	8.26E-04
1844	500580.1	3732668	4.67E-03	0.00E+00	4.67E-03	8.14E-04
1845	500587.4	3732674	4.59E-03	0.00E+00	4.59E-03	8.01E-04
1846	500594.8	3732681	4.52E-03	0.00E+00	4.52E-03	7.87E-04
1847	500602.2	3732688	4.44E-03	0.00E+00	4.44E-03	7.74E-04
1848	500609.6	3732694	4.36E-03	0.00E+00	4.36E-03	7.60E-04
1849	500617	3732701	4.29E-03	0.00E+00	4.29E-03	7.47E-04
1850	500624.4	3732707	4.21E-03	0.00E+00	4.21E-03	7.33E-04
1851	500631.8	3732714	4.12E-03	0.00E+00	4.12E-03	7.19E-04
1852	500639.1	3732720	4.04E-03	0.00E+00	4.04E-03	7.05E-04
1853	500646.5	3732727	3.96E-03	0.00E+00	3.96E-03	6.90E-04
1854	500653.9	3732733	3.88E-03	0.00E+00	3.88E-03	6.76E-04
1855	500661.3	3732740	3.80E-03	0.00E+00	3.80E-03	6.62E-04
1856	500668.7	3732747	3.72E-03	0.00E+00	3.72E-03	6.48E-04
1857	500676.1	3732753	3.64E-03	0.00E+00	3.64E-03	6.34E-04
1858	500683.4	3732760	3.56E-03	0.00E+00	3.56E-03	6.20E-04
1859	500690.8	3732766	3.48E-03	0.00E+00	3.48E-03	6.06E-04
1860	500698.2	3732773	3.40E-03	0.00E+00	3.40E-03	5.92E-04
1861	500705.6	3732779	3.32E-03	0.00E+00	3.32E-03	5.78E-04
1862	500713	3732786	3.24E-03	0.00E+00	3.24E-03	5.65E-04
1863	500720.4	3732793	3.16E-03	0.00E+00	3.16E-03	5.51E-04
1864	500729.5	3732809	3.06E-03	0.00E+00	3.06E-03	5.33E-04
1865	500731.3	3732819	3.03E-03	0.00E+00	3.03E-03	5.27E-04
1866	500733	3732828	3.00E-03	0.00E+00	3.00E-03	5.22E-04
1867	500734.8	3732838	2.96E-03	0.00E+00	2.96E-03	5.16E-04
1868	500736.5	3732848	2.93E-03	0.00E+00	2.93E-03	5.11E-04
1869	500738.3	3732857	2.90E-03	0.00E+00	2.90E-03	5.05E-04
1870	500740.1	3732867	2.86E-03	0.00E+00	2.86E-03	4.99E-04
1871	500741.8	3732877	2.83E-03	0.00E+00	2.83E-03	4.93E-04
1872	500743.6	3732887	2.80E-03	0.00E+00	2.80E-03	4.87E-04
1873	500745.3	3732896	2.76E-03	0.00E+00	2.76E-03	4.81E-04

1874	500747.1	3732906	2.73E-03	0.00E+00	2.73E-03	4.75E-04
1875	500748.8	3732916	2.69E-03	0.00E+00	2.69E-03	4.69E-04
1876	500750.6	3732925	2.66E-03	0.00E+00	2.66E-03	4.63E-04
1877	500752.4	3732935	2.62E-03	0.00E+00	2.62E-03	4.57E-04
1878	500757.6	3732964	2.52E-03	0.00E+00	2.52E-03	4.39E-04
1879	500759.4	3732974	2.48E-03	0.00E+00	2.48E-03	4.33E-04
1880	500761.1	3732984	2.45E-03	0.00E+00	2.45E-03	4.27E-04
1881	500762.9	3732994	2.42E-03	0.00E+00	2.42E-03	4.21E-04
1882	500764.7	3733003	2.38E-03	0.00E+00	2.38E-03	4.15E-04
1883	500766.4	3733013	2.35E-03	0.00E+00	2.35E-03	4.09E-04
1884	500768.2	3733023	2.32E-03	0.00E+00	2.32E-03	4.03E-04
1885	500769.9	3733032	2.28E-03	0.00E+00	2.28E-03	3.98E-04
1886	500771.7	3733042	2.25E-03	0.00E+00	2.25E-03	3.92E-04
1887	500773.4	3733052	2.22E-03	0.00E+00	2.22E-03	3.87E-04
1888	500775.2	3733062	2.19E-03	0.00E+00	2.19E-03	3.81E-04
1889	500777	3733071	2.16E-03	0.00E+00	2.16E-03	3.76E-04
1890	500778.7	3733081	2.13E-03	0.00E+00	2.13E-03	3.71E-04
1891	500780.5	3733091	2.10E-03	0.00E+00	2.10E-03	3.66E-04
1892	500782.2	3733100	2.07E-03	0.00E+00	2.07E-03	3.60E-04
1893	500784	3733110	2.04E-03	0.00E+00	2.04E-03	3.56E-04
1894	500785.7	3733120	2.01E-03	0.00E+00	2.01E-03	3.51E-04
1895	500787.5	3733130	1.99E-03	0.00E+00	1.99E-03	3.46E-04
1896	500789.3	3733139	1.96E-03	0.00E+00	1.96E-03	3.42E-04
1897	500791	3733149	1.93E-03	0.00E+00	1.93E-03	3.37E-04
1898	500792.8	3733159	1.91E-03	0.00E+00	1.91E-03	3.33E-04
1899	500794.5	3733169	1.89E-03	0.00E+00	1.89E-03	3.29E-04
1900	500796.3	3733178	1.86E-03	0.00E+00	1.86E-03	3.24E-04
1901	500798	3733188	1.84E-03	0.00E+00	1.84E-03	3.21E-04
1902	500425	3732530	5.52E-03	0.00E+00	5.52E-03	9.62E-04
1903	500415.9	3732526	5.55E-03	0.00E+00	5.55E-03	9.67E-04
1904	500406.7	3732522	5.58E-03	0.00E+00	5.58E-03	9.72E-04
1905	500397.6	3732519	5.60E-03	0.00E+00	5.60E-03	9.76E-04
1906	500388.5	3732515	5.62E-03	0.00E+00	5.62E-03	9.79E-04
1907	500379.4	3732511	5.63E-03	0.00E+00	5.63E-03	9.81E-04
1908	500370.2	3732507	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1909	500361.1	3732504	5.65E-03	0.00E+00	5.65E-03	9.84E-04
1910	500352	3732500	5.65E-03	0.00E+00	5.65E-03	9.84E-04
1911	500342.8	3732496	5.64E-03	0.00E+00	5.64E-03	9.83E-04
1912	500333.7	3732492	5.64E-03	0.00E+00	5.64E-03	9.82E-04
1913	500324.6	3732488	5.62E-03	0.00E+00	5.62E-03	9.80E-04
1914	500315.5	3732485	5.61E-03	0.00E+00	5.61E-03	9.77E-04
1915	500306.3	3732481	5.58E-03	0.00E+00	5.58E-03	9.73E-04
1916	500297.2	3732477	5.56E-03	0.00E+00	5.56E-03	9.69E-04
1917	500288.1	3732473	5.53E-03	0.00E+00	5.53E-03	9.63E-04
1918	500279	3732469	5.50E-03	0.00E+00	5.50E-03	9.57E-04
1919	500269.8	3732466	5.46E-03	0.00E+00	5.46E-03	9.51E-04
1920	500260.7	3732462	5.41E-03	0.00E+00	5.41E-03	9.43E-04

1921	500251.6	3732458	5.37E-03	0.00E+00	5.37E-03	9.35E-04
1922	500242.5	3732454	5.32E-03	0.00E+00	5.32E-03	9.27E-04
1923	500233.3	3732450	5.26E-03	0.00E+00	5.26E-03	9.17E-04
1924	500196.8	3732435	5.02E-03	0.00E+00	5.02E-03	8.75E-04
1925	500187.7	3732431	4.95E-03	0.00E+00	4.95E-03	8.63E-04
1926	500178.6	3732428	4.89E-03	0.00E+00	4.89E-03	8.51E-04
1927	500169.4	3732424	4.81E-03	0.00E+00	4.81E-03	8.39E-04
1928	500160.3	3732420	4.74E-03	0.00E+00	4.74E-03	8.26E-04
1929	500151.2	3732416	4.66E-03	0.00E+00	4.66E-03	8.13E-04
1930	500142.1	3732413	4.59E-03	0.00E+00	4.59E-03	7.99E-04
1931	500132.9	3732409	4.51E-03	0.00E+00	4.51E-03	7.86E-04
1932	500123.8	3732405	4.43E-03	0.00E+00	4.43E-03	7.72E-04
1933	500114.7	3732401	4.35E-03	0.00E+00	4.35E-03	7.58E-04
1934	500105.6	3732397	4.27E-03	0.00E+00	4.27E-03	7.44E-04
1935	500096.4	3732394	4.19E-03	0.00E+00	4.19E-03	7.30E-04
1936	500087.3	3732390	4.11E-03	0.00E+00	4.11E-03	7.16E-04
1937	500447.7	3732500	5.14E-03	0.00E+00	5.14E-03	8.95E-04
1938	500455	3732506	5.13E-03	0.00E+00	5.13E-03	8.95E-04
1939	500462.3	3732513	5.13E-03	0.00E+00	5.13E-03	8.93E-04
1940	500469.6	3732519	5.12E-03	0.00E+00	5.12E-03	8.91E-04
1941	500477	3732526	5.10E-03	0.00E+00	5.10E-03	8.89E-04
1942	500484.3	3732532	5.09E-03	0.00E+00	5.09E-03	8.86E-04
1943	500491.6	3732539	5.06E-03	0.00E+00	5.06E-03	8.82E-04
1944	500498.9	3732545	5.04E-03	0.00E+00	5.04E-03	8.78E-04
1945	500506.3	3732552	5.01E-03	0.00E+00	5.01E-03	8.73E-04
1946	500513.6	3732558	4.98E-03	0.00E+00	4.98E-03	8.68E-04
1947	500520.9	3732565	4.95E-03	0.00E+00	4.95E-03	8.62E-04
1948	500528.2	3732571	4.91E-03	0.00E+00	4.91E-03	8.55E-04
1949	500550.2	3732591	4.78E-03	0.00E+00	4.78E-03	8.32E-04
1950	500557.5	3732597	4.73E-03	0.00E+00	4.73E-03	8.23E-04
1951	500564.9	3732604	4.67E-03	0.00E+00	4.67E-03	8.14E-04
1952	500572.2	3732610	4.62E-03	0.00E+00	4.62E-03	8.05E-04
1953	500579.5	3732617	4.56E-03	0.00E+00	4.56E-03	7.94E-04
1954	500586.8	3732623	4.50E-03	0.00E+00	4.50E-03	7.84E-04
1955	500594.2	3732630	4.44E-03	0.00E+00	4.44E-03	7.73E-04
1956	500601.5	3732636	4.37E-03	0.00E+00	4.37E-03	7.62E-04
1957	500608.8	3732643	4.31E-03	0.00E+00	4.31E-03	7.51E-04
1958	500616.1	3732649	4.24E-03	0.00E+00	4.24E-03	7.39E-04
1959	500623.5	3732656	4.18E-03	0.00E+00	4.18E-03	7.27E-04
1960	500630.8	3732662	4.11E-03	0.00E+00	4.11E-03	7.15E-04
1961	500638.1	3732669	4.04E-03	0.00E+00	4.04E-03	7.03E-04
1962	500645.4	3732675	3.97E-03	0.00E+00	3.97E-03	6.91E-04
1963	500652.8	3732682	3.89E-03	0.00E+00	3.89E-03	6.78E-04
1964	500660.1	3732688	3.82E-03	0.00E+00	3.82E-03	6.66E-04
1965	500667.4	3732695	3.75E-03	0.00E+00	3.75E-03	6.53E-04
1966	500674.7	3732701	3.68E-03	0.00E+00	3.68E-03	6.41E-04
1967	500682.1	3732708	3.60E-03	0.00E+00	3.60E-03	6.28E-04

1968	500689.4	3732714	3.53E-03	0.00E+00	3.53E-03	6.15E-04
1969	500696.7	3732721	3.46E-03	0.00E+00	3.46E-03	6.03E-04
1970	500704	3732727	3.39E-03	0.00E+00	3.39E-03	5.90E-04
1971	500711.4	3732734	3.31E-03	0.00E+00	3.31E-03	5.78E-04
1972	500718.7	3732740	3.24E-03	0.00E+00	3.24E-03	5.65E-04
1973	500726	3732747	3.17E-03	0.00E+00	3.17E-03	5.53E-04
1974	500733.3	3732753	3.10E-03	0.00E+00	3.10E-03	5.40E-04
1975	500740.7	3732760	3.03E-03	0.00E+00	3.03E-03	5.28E-04
1976	500748	3732766	2.96E-03	0.00E+00	2.96E-03	5.16E-04
1977	500755.3	3732773	2.90E-03	0.00E+00	2.90E-03	5.05E-04
1978	500764.4	3732789	2.80E-03	0.00E+00	2.80E-03	4.88E-04
1979	500766.1	3732799	2.77E-03	0.00E+00	2.77E-03	4.83E-04
1980	500767.9	3732808	2.75E-03	0.00E+00	2.75E-03	4.79E-04
1981	500769.6	3732818	2.72E-03	0.00E+00	2.72E-03	4.74E-04
1982	500771.4	3732828	2.69E-03	0.00E+00	2.69E-03	4.68E-04
1983	500773.1	3732837	2.66E-03	0.00E+00	2.66E-03	4.63E-04
1984	500774.8	3732847	2.63E-03	0.00E+00	2.63E-03	4.58E-04
1985	500776.6	3732857	2.60E-03	0.00E+00	2.60E-03	4.53E-04
1986	500778.3	3732866	2.57E-03	0.00E+00	2.57E-03	4.48E-04
1987	500780.1	3732876	2.54E-03	0.00E+00	2.54E-03	4.42E-04
1988	500781.8	3732886	2.51E-03	0.00E+00	2.51E-03	4.37E-04
1989	500783.6	3732895	2.48E-03	0.00E+00	2.48E-03	4.32E-04
1990	500785.3	3732905	2.45E-03	0.00E+00	2.45E-03	4.26E-04
1991	500787	3732915	2.42E-03	0.00E+00	2.42E-03	4.21E-04
1992	500788.8	3732924	2.39E-03	0.00E+00	2.39E-03	4.16E-04
1993	500790.5	3732934	2.35E-03	0.00E+00	2.35E-03	4.10E-04
1994	500797.5	3732972	2.23E-03	0.00E+00	2.23E-03	3.89E-04
1995	500799.2	3732982	2.20E-03	0.00E+00	2.20E-03	3.84E-04
1996	500801	3732992	2.17E-03	0.00E+00	2.17E-03	3.79E-04
1997	500802.7	3733001	2.15E-03	0.00E+00	2.15E-03	3.74E-04
1998	500804.5	3733011	2.12E-03	0.00E+00	2.12E-03	3.69E-04
1999	500806.2	3733021	2.09E-03	0.00E+00	2.09E-03	3.64E-04
2000	500808	3733030	2.06E-03	0.00E+00	2.06E-03	3.59E-04
2001	500809.7	3733040	2.03E-03	0.00E+00	2.03E-03	3.54E-04
2002	500811.4	3733050	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2003	500813.2	3733059	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2004	500814.9	3733069	1.95E-03	0.00E+00	1.95E-03	3.40E-04
2005	500816.7	3733078	1.93E-03	0.00E+00	1.93E-03	3.36E-04
2006	500818.4	3733088	1.90E-03	0.00E+00	1.90E-03	3.31E-04
2007	500820.2	3733098	1.88E-03	0.00E+00	1.88E-03	3.27E-04
2008	500821.9	3733107	1.85E-03	0.00E+00	1.85E-03	3.23E-04
2009	500823.6	3733117	1.83E-03	0.00E+00	1.83E-03	3.19E-04
2010	500825.4	3733127	1.81E-03	0.00E+00	1.81E-03	3.15E-04
2011	500827.1	3733136	1.78E-03	0.00E+00	1.78E-03	3.11E-04
2012	500828.9	3733146	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2013	500830.6	3733156	1.74E-03	0.00E+00	1.74E-03	3.03E-04
2014	500832.4	3733165	1.68E-03	0.00E+00	1.68E-03	2.92E-04

2015	500834.1	3733175	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2016	500835.8	3733185	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2017	500837.6	3733194	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2018	500440.3	3732493	5.14E-03	0.00E+00	5.14E-03	8.95E-04
2019	500431.2	3732489	5.16E-03	0.00E+00	5.16E-03	9.00E-04
2020	500422.1	3732486	5.18E-03	0.00E+00	5.18E-03	9.03E-04
2021	500412.9	3732482	5.20E-03	0.00E+00	5.20E-03	9.07E-04
2022	500403.8	3732478	5.22E-03	0.00E+00	5.22E-03	9.09E-04
2023	500394.7	3732474	5.23E-03	0.00E+00	5.23E-03	9.11E-04
2024	500385.6	3732470	5.24E-03	0.00E+00	5.24E-03	9.12E-04
2025	500376.4	3732467	5.24E-03	0.00E+00	5.24E-03	9.13E-04
2026	500367.3	3732463	5.24E-03	0.00E+00	5.24E-03	9.13E-04
2027	500358.2	3732459	5.23E-03	0.00E+00	5.23E-03	9.12E-04
2028	500349.1	3732455	5.23E-03	0.00E+00	5.23E-03	9.10E-04
2029	500339.9	3732451	5.21E-03	0.00E+00	5.21E-03	9.08E-04
2030	500330.8	3732448	5.20E-03	0.00E+00	5.20E-03	9.05E-04
2031	500321.7	3732444	5.18E-03	0.00E+00	5.18E-03	9.02E-04
2032	500312.6	3732440	5.15E-03	0.00E+00	5.15E-03	8.98E-04
2033	500303.4	3732436	5.13E-03	0.00E+00	5.13E-03	8.93E-04
2034	500294.3	3732432	5.10E-03	0.00E+00	5.10E-03	8.88E-04
2035	500285.2	3732429	5.06E-03	0.00E+00	5.06E-03	8.82E-04
2036	500276.1	3732425	5.02E-03	0.00E+00	5.02E-03	8.76E-04
2037	500266.9	3732421	4.98E-03	0.00E+00	4.98E-03	8.68E-04
2038	500230.4	3732406	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2039	500193.9	3732391	4.56E-03	0.00E+00	4.56E-03	7.94E-04
2040	500184.8	3732387	4.49E-03	0.00E+00	4.49E-03	7.83E-04
2041	500175.7	3732383	4.43E-03	0.00E+00	4.43E-03	7.72E-04
2042	500166.5	3732379	4.36E-03	0.00E+00	4.36E-03	7.60E-04
2043	500157.4	3732376	4.30E-03	0.00E+00	4.30E-03	7.49E-04
2044	500148.3	3732372	4.23E-03	0.00E+00	4.23E-03	7.37E-04
2045	500139.2	3732368	4.16E-03	0.00E+00	4.16E-03	7.24E-04
2046	500130	3732364	4.09E-03	0.00E+00	4.09E-03	7.12E-04
2047	500120.9	3732360	4.02E-03	0.00E+00	4.02E-03	7.00E-04
2048	500111.8	3732357	3.94E-03	0.00E+00	3.94E-03	6.87E-04
2049	500102.7	3732353	3.87E-03	0.00E+00	3.87E-03	6.75E-04
2050	500462.9	3732463	4.80E-03	0.00E+00	4.80E-03	8.36E-04
2051	500470.2	3732469	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2052	500477.5	3732476	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2053	500484.8	3732482	4.78E-03	0.00E+00	4.78E-03	8.34E-04
2054	500492	3732488	4.77E-03	0.00E+00	4.77E-03	8.32E-04
2055	500499.3	3732495	4.76E-03	0.00E+00	4.76E-03	8.30E-04
2056	500506.6	3732501	4.75E-03	0.00E+00	4.75E-03	8.27E-04
2057	500513.9	3732508	4.73E-03	0.00E+00	4.73E-03	8.23E-04
2058	500521.1	3732514	4.70E-03	0.00E+00	4.70E-03	8.19E-04
2059	500528.4	3732521	4.68E-03	0.00E+00	4.68E-03	8.15E-04
2060	500535.7	3732527	4.65E-03	0.00E+00	4.65E-03	8.10E-04
2061	500543	3732534	4.62E-03	0.00E+00	4.62E-03	8.05E-04

2062	500550.2	3732540	4.58E-03	0.00E+00	4.58E-03	7.99E-04
2063	500557.5	3732547	4.55E-03	0.00E+00	4.55E-03	7.92E-04
2064	500564.8	3732553	4.51E-03	0.00E+00	4.51E-03	7.85E-04
2065	500572	3732560	4.46E-03	0.00E+00	4.46E-03	7.78E-04
2066	500593.9	3732579	4.32E-03	0.00E+00	4.32E-03	7.53E-04
2067	500601.1	3732585	4.27E-03	0.00E+00	4.27E-03	7.44E-04
2068	500608.4	3732592	4.22E-03	0.00E+00	4.22E-03	7.35E-04
2069	500615.7	3732598	4.17E-03	0.00E+00	4.17E-03	7.26E-04
2070	500623	3732605	4.11E-03	0.00E+00	4.11E-03	7.16E-04
2071	500630.2	3732611	4.05E-03	0.00E+00	4.05E-03	7.06E-04
2072	500637.5	3732618	3.99E-03	0.00E+00	3.99E-03	6.96E-04
2073	500644.8	3732624	3.93E-03	0.00E+00	3.93E-03	6.85E-04
2074	500652	3732631	3.87E-03	0.00E+00	3.87E-03	6.74E-04
2075	500659.3	3732637	3.81E-03	0.00E+00	3.81E-03	6.64E-04
2076	500666.6	3732644	3.75E-03	0.00E+00	3.75E-03	6.53E-04
2077	500673.9	3732650	3.68E-03	0.00E+00	3.68E-03	6.41E-04
2078	500681.1	3732657	3.62E-03	0.00E+00	3.62E-03	6.30E-04
2079	500688.4	3732663	3.55E-03	0.00E+00	3.55E-03	6.19E-04
2080	500695.7	3732669	3.49E-03	0.00E+00	3.49E-03	6.08E-04
2081	500703	3732676	3.42E-03	0.00E+00	3.42E-03	5.96E-04
2082	500710.2	3732682	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2083	500717.5	3732689	3.29E-03	0.00E+00	3.29E-03	5.74E-04
2084	500724.8	3732695	3.23E-03	0.00E+00	3.23E-03	5.62E-04
2085	500732.1	3732702	3.16E-03	0.00E+00	3.16E-03	5.51E-04
2086	500739.3	3732708	3.10E-03	0.00E+00	3.10E-03	5.39E-04
2087	500746.6	3732715	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2088	500753.9	3732721	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2089	500761.1	3732728	2.91E-03	0.00E+00	2.91E-03	5.06E-04
2090	500768.4	3732734	2.84E-03	0.00E+00	2.84E-03	4.96E-04
2091	500775.7	3732741	2.78E-03	0.00E+00	2.78E-03	4.85E-04
2092	500783	3732747	2.72E-03	0.00E+00	2.72E-03	4.74E-04
2093	500790.2	3732753	2.66E-03	0.00E+00	2.66E-03	4.64E-04
2094	500799.2	3732770	2.58E-03	0.00E+00	2.58E-03	4.49E-04
2095	500801	3732779	2.55E-03	0.00E+00	2.55E-03	4.45E-04
2096	500802.7	3732789	2.53E-03	0.00E+00	2.53E-03	4.41E-04
2097	500804.4	3732798	2.50E-03	0.00E+00	2.50E-03	4.36E-04
2098	500806.2	3732808	2.48E-03	0.00E+00	2.48E-03	4.32E-04
2099	500807.9	3732817	2.45E-03	0.00E+00	2.45E-03	4.27E-04
2100	500809.6	3732827	2.42E-03	0.00E+00	2.42E-03	4.22E-04
2101	500811.4	3732837	2.40E-03	0.00E+00	2.40E-03	4.18E-04
2102	500813.1	3732846	2.37E-03	0.00E+00	2.37E-03	4.13E-04
2103	500814.8	3732856	2.34E-03	0.00E+00	2.34E-03	4.08E-04
2104	500816.6	3732865	2.32E-03	0.00E+00	2.32E-03	4.04E-04
2105	500818.3	3732875	2.29E-03	0.00E+00	2.29E-03	3.99E-04
2106	500820	3732884	2.26E-03	0.00E+00	2.26E-03	3.94E-04
2107	500821.7	3732894	2.23E-03	0.00E+00	2.23E-03	3.89E-04
2108	500823.5	3732904	2.21E-03	0.00E+00	2.21E-03	3.85E-04

2109	500825.2	3732913	2.18E-03	0.00E+00	2.18E-03	3.80E-04
2110	500826.9	3732923	2.15E-03	0.00E+00	2.15E-03	3.75E-04
2111	500828.7	3732932	2.13E-03	0.00E+00	2.13E-03	3.70E-04
2112	500835.6	3732971	1.97E-03	0.00E+00	1.97E-03	3.43E-04
2113	500837.3	3732980	1.94E-03	0.00E+00	1.94E-03	3.38E-04
2114	500839.1	3732990	1.92E-03	0.00E+00	1.92E-03	3.34E-04
2115	500840.8	3732999	1.89E-03	0.00E+00	1.89E-03	3.29E-04
2116	500842.5	3733009	1.86E-03	0.00E+00	1.86E-03	3.25E-04
2117	500844.2	3733018	1.84E-03	0.00E+00	1.84E-03	3.21E-04
2118	500846	3733028	1.82E-03	0.00E+00	1.82E-03	3.17E-04
2119	500847.7	3733038	1.79E-03	0.00E+00	1.79E-03	3.12E-04
2120	500849.4	3733047	1.77E-03	0.00E+00	1.77E-03	3.08E-04
2121	500851.2	3733057	1.75E-03	0.00E+00	1.75E-03	3.04E-04
2122	500852.9	3733066	1.72E-03	0.00E+00	1.72E-03	3.01E-04
2123	500854.6	3733076	1.70E-03	0.00E+00	1.70E-03	2.97E-04
2124	500856.4	3733085	1.68E-03	0.00E+00	1.68E-03	2.93E-04
2125	500858.1	3733095	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2126	500859.8	3733105	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2127	500861.6	3733114	1.62E-03	0.00E+00	1.62E-03	2.82E-04
2128	500863.3	3733124	1.60E-03	0.00E+00	1.60E-03	2.79E-04
2129	500865	3733133	1.58E-03	0.00E+00	1.58E-03	2.76E-04
2130	500866.7	3733143	1.57E-03	0.00E+00	1.57E-03	2.73E-04
2131	500868.5	3733152	1.55E-03	0.00E+00	1.55E-03	2.70E-04
2132	500870.2	3733162	1.53E-03	0.00E+00	1.53E-03	2.67E-04
2133	500871.9	3733172	1.52E-03	0.00E+00	1.52E-03	2.64E-04
2134	500873.7	3733181	1.50E-03	0.00E+00	1.50E-03	2.62E-04
2135	500875.4	3733191	1.49E-03	0.00E+00	1.49E-03	2.59E-04
2136	500877.1	3733200	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2137	500455.7	3732456	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2138	500446.5	3732452	4.82E-03	0.00E+00	4.82E-03	8.39E-04
2139	500437.4	3732449	4.83E-03	0.00E+00	4.83E-03	8.42E-04
2140	500428.3	3732445	4.85E-03	0.00E+00	4.85E-03	8.45E-04
2141	500419.2	3732441	4.86E-03	0.00E+00	4.86E-03	8.47E-04
2142	500410	3732437	4.87E-03	0.00E+00	4.87E-03	8.49E-04
2143	500400.9	3732433	4.88E-03	0.00E+00	4.88E-03	8.49E-04
2144	500391.8	3732430	4.88E-03	0.00E+00	4.88E-03	8.50E-04
2145	500382.7	3732426	4.88E-03	0.00E+00	4.88E-03	8.49E-04
2146	500373.5	3732422	4.87E-03	0.00E+00	4.87E-03	8.49E-04
2147	500327.9	3732403	4.79E-03	0.00E+00	4.79E-03	8.35E-04
2148	500318.8	3732399	4.77E-03	0.00E+00	4.77E-03	8.31E-04
2149	500309.7	3732396	4.74E-03	0.00E+00	4.74E-03	8.26E-04
2150	500300.5	3732392	4.71E-03	0.00E+00	4.71E-03	8.21E-04
2151	500291.4	3732388	4.68E-03	0.00E+00	4.68E-03	8.15E-04
2152	500282.3	3732384	4.64E-03	0.00E+00	4.64E-03	8.09E-04
2153	500273.1	3732380	4.60E-03	0.00E+00	4.60E-03	8.02E-04
2154	500264	3732377	4.56E-03	0.00E+00	4.56E-03	7.95E-04
2155	500254.9	3732373	4.52E-03	0.00E+00	4.52E-03	7.87E-04

2156	500245.8	3732369	4.47E-03	0.00E+00	4.47E-03	7.79E-04
2157	500236.6	3732365	4.42E-03	0.00E+00	4.42E-03	7.71E-04
2158	500227.5	3732361	4.37E-03	0.00E+00	4.37E-03	7.62E-04
2159	500191	3732346	4.15E-03	0.00E+00	4.15E-03	7.23E-04
2160	500181.9	3732342	4.09E-03	0.00E+00	4.09E-03	7.13E-04
2161	500172.8	3732339	4.03E-03	0.00E+00	4.03E-03	7.03E-04
2162	500163.6	3732335	3.97E-03	0.00E+00	3.97E-03	6.92E-04
2163	500154.5	3732331	3.91E-03	0.00E+00	3.91E-03	6.82E-04
2164	500145.4	3732327	3.85E-03	0.00E+00	3.85E-03	6.71E-04
2165	500136.3	3732323	3.79E-03	0.00E+00	3.79E-03	6.60E-04
2166	500127.1	3732320	3.72E-03	0.00E+00	3.72E-03	6.49E-04
2167	500118	3732316	3.66E-03	0.00E+00	3.66E-03	6.37E-04
2168	500478.4	3732426	4.49E-03	0.00E+00	4.49E-03	7.82E-04
2169	500485.8	3732432	4.49E-03	0.00E+00	4.49E-03	7.82E-04
2170	500493.1	3732439	4.49E-03	0.00E+00	4.49E-03	7.82E-04
2171	500500.5	3732445	4.48E-03	0.00E+00	4.48E-03	7.81E-04
2172	500507.9	3732452	4.48E-03	0.00E+00	4.48E-03	7.80E-04
2173	500515.3	3732459	4.47E-03	0.00E+00	4.47E-03	7.78E-04
2174	500522.6	3732465	4.45E-03	0.00E+00	4.45E-03	7.76E-04
2175	500530	3732472	4.44E-03	0.00E+00	4.44E-03	7.73E-04
2176	500537.4	3732478	4.42E-03	0.00E+00	4.42E-03	7.70E-04
2177	500544.8	3732485	4.40E-03	0.00E+00	4.40E-03	7.66E-04
2178	500552.1	3732491	4.37E-03	0.00E+00	4.37E-03	7.62E-04
2179	500559.5	3732498	4.35E-03	0.00E+00	4.35E-03	7.57E-04
2180	500566.9	3732504	4.32E-03	0.00E+00	4.32E-03	7.52E-04
2181	500574.3	3732511	4.28E-03	0.00E+00	4.28E-03	7.46E-04
2182	500581.6	3732518	4.25E-03	0.00E+00	4.25E-03	7.40E-04
2183	500589	3732524	4.21E-03	0.00E+00	4.21E-03	7.34E-04
2184	500596.4	3732531	4.17E-03	0.00E+00	4.17E-03	7.27E-04
2185	500603.8	3732537	4.13E-03	0.00E+00	4.13E-03	7.20E-04
2186	500611.1	3732544	4.09E-03	0.00E+00	4.09E-03	7.12E-04
2187	500618.5	3732550	4.04E-03	0.00E+00	4.04E-03	7.04E-04
2188	500648	3732577	3.84E-03	0.00E+00	3.84E-03	6.70E-04
2189	500655.4	3732583	3.79E-03	0.00E+00	3.79E-03	6.60E-04
2190	500662.8	3732590	3.74E-03	0.00E+00	3.74E-03	6.51E-04
2191	500670.1	3732596	3.68E-03	0.00E+00	3.68E-03	6.41E-04
2192	500677.5	3732603	3.62E-03	0.00E+00	3.62E-03	6.31E-04
2193	500684.9	3732609	3.57E-03	0.00E+00	3.57E-03	6.21E-04
2194	500692.3	3732616	3.51E-03	0.00E+00	3.51E-03	6.11E-04
2195	500699.6	3732622	3.45E-03	0.00E+00	3.45E-03	6.01E-04
2196	500707	3732629	3.39E-03	0.00E+00	3.39E-03	5.91E-04
2197	500714.4	3732635	3.33E-03	0.00E+00	3.33E-03	5.80E-04
2198	500721.8	3732642	3.27E-03	0.00E+00	3.27E-03	5.70E-04
2199	500729.1	3732649	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2200	500736.5	3732655	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2201	500743.9	3732662	3.09E-03	0.00E+00	3.09E-03	5.38E-04
2202	500751.3	3732668	3.03E-03	0.00E+00	3.03E-03	5.28E-04

2203	500758.6	3732675	2.97E-03	0.00E+00	2.97E-03	5.18E-04
2204	500766	3732681	2.91E-03	0.00E+00	2.91E-03	5.07E-04
2205	500773.4	3732688	2.85E-03	0.00E+00	2.85E-03	4.97E-04
2206	500780.8	3732694	2.79E-03	0.00E+00	2.79E-03	4.87E-04
2207	500788.1	3732701	2.74E-03	0.00E+00	2.74E-03	4.77E-04
2208	500795.5	3732708	2.68E-03	0.00E+00	2.68E-03	4.67E-04
2209	500802.9	3732714	2.62E-03	0.00E+00	2.62E-03	4.57E-04
2210	500810.3	3732721	2.57E-03	0.00E+00	2.57E-03	4.47E-04
2211	500817.6	3732727	2.51E-03	0.00E+00	2.51E-03	4.38E-04
2212	500825	3732734	2.46E-03	0.00E+00	2.46E-03	4.28E-04
2213	500834.1	3732750	2.34E-03	0.00E+00	2.34E-03	4.07E-04
2214	500835.9	3732760	2.31E-03	0.00E+00	2.31E-03	4.03E-04
2215	500837.7	3732769	2.29E-03	0.00E+00	2.29E-03	3.98E-04
2216	500839.4	3732779	2.26E-03	0.00E+00	2.26E-03	3.94E-04
2217	500841.2	3732789	2.24E-03	0.00E+00	2.24E-03	3.89E-04
2218	500842.9	3732799	2.21E-03	0.00E+00	2.21E-03	3.85E-04
2219	500844.7	3732808	2.18E-03	0.00E+00	2.18E-03	3.81E-04
2220	500846.4	3732818	2.16E-03	0.00E+00	2.16E-03	3.76E-04
2221	500848.2	3732828	2.13E-03	0.00E+00	2.13E-03	3.72E-04
2222	500849.9	3732837	2.11E-03	0.00E+00	2.11E-03	3.67E-04
2223	500851.7	3732847	2.08E-03	0.00E+00	2.08E-03	3.63E-04
2224	500853.5	3732857	2.06E-03	0.00E+00	2.06E-03	3.58E-04
2225	500855.2	3732867	2.03E-03	0.00E+00	2.03E-03	3.54E-04
2226	500857	3732876	2.01E-03	0.00E+00	2.01E-03	3.50E-04
2227	500858.7	3732886	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2228	500860.5	3732896	1.96E-03	0.00E+00	1.96E-03	3.41E-04
2229	500862.2	3732905	1.93E-03	0.00E+00	1.93E-03	3.37E-04
2230	500864	3732915	1.91E-03	0.00E+00	1.91E-03	3.32E-04
2231	500865.7	3732925	1.88E-03	0.00E+00	1.88E-03	3.28E-04
2232	500867.5	3732935	1.86E-03	0.00E+00	1.86E-03	3.24E-04
2233	500874.5	3732973	1.77E-03	0.00E+00	1.77E-03	3.08E-04
2234	500876.3	3732983	1.75E-03	0.00E+00	1.75E-03	3.04E-04
2235	500878	3732993	1.73E-03	0.00E+00	1.73E-03	3.01E-04
2236	500879.8	3733002	1.70E-03	0.00E+00	1.70E-03	2.97E-04
2237	500881.5	3733012	1.68E-03	0.00E+00	1.68E-03	2.93E-04
2238	500883.3	3733022	1.66E-03	0.00E+00	1.66E-03	2.90E-04
2239	500885	3733032	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2240	500886.8	3733041	1.62E-03	0.00E+00	1.62E-03	2.83E-04
2241	500888.6	3733051	1.60E-03	0.00E+00	1.60E-03	2.79E-04
2242	500890.3	3733061	1.58E-03	0.00E+00	1.58E-03	2.76E-04
2243	500892.1	3733070	1.56E-03	0.00E+00	1.56E-03	2.72E-04
2244	500893.8	3733080	1.54E-03	0.00E+00	1.54E-03	2.69E-04
2245	500895.6	3733090	1.53E-03	0.00E+00	1.53E-03	2.66E-04
2246	500897.3	3733100	1.51E-03	0.00E+00	1.51E-03	2.63E-04
2247	500899.1	3733109	1.49E-03	0.00E+00	1.49E-03	2.60E-04
2248	500900.8	3733119	1.47E-03	0.00E+00	1.47E-03	2.57E-04
2249	500902.6	3733129	1.46E-03	0.00E+00	1.46E-03	2.54E-04

2250	500904.3	3733138	1.44E-03	0.00E+00	1.44E-03	2.51E-04
2251	500906.1	3733148	1.43E-03	0.00E+00	1.43E-03	2.49E-04
2252	500907.9	3733158	1.41E-03	0.00E+00	1.41E-03	2.46E-04
2253	500909.6	3733168	1.40E-03	0.00E+00	1.40E-03	2.43E-04
2254	500911.4	3733177	1.38E-03	0.00E+00	1.38E-03	2.41E-04
2255	500913.1	3733187	1.37E-03	0.00E+00	1.37E-03	2.38E-04
2256	500914.9	3733197	1.35E-03	0.00E+00	1.35E-03	2.36E-04
2257	500916.6	3733206	1.34E-03	0.00E+00	1.34E-03	2.34E-04
2258	500434.5	3732404	4.54E-03	0.00E+00	4.54E-03	7.91E-04
2259	500425.4	3732400	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2260	500416.3	3732396	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2261	500407.1	3732393	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2262	500398	3732389	4.55E-03	0.00E+00	4.55E-03	7.93E-04
2263	500388.9	3732385	4.54E-03	0.00E+00	4.54E-03	7.92E-04
2264	500379.8	3732381	4.54E-03	0.00E+00	4.54E-03	7.90E-04
2265	500370.6	3732378	4.53E-03	0.00E+00	4.53E-03	7.88E-04
2266	500361.5	3732374	4.51E-03	0.00E+00	4.51E-03	7.86E-04
2267	500352.4	3732370	4.49E-03	0.00E+00	4.49E-03	7.83E-04
2268	500343.2	3732366	4.47E-03	0.00E+00	4.47E-03	7.80E-04
2269	500334.1	3732362	4.45E-03	0.00E+00	4.45E-03	7.76E-04
2270	500325	3732359	4.43E-03	0.00E+00	4.43E-03	7.71E-04
2271	500315.9	3732355	4.40E-03	0.00E+00	4.40E-03	7.67E-04
2272	500306.7	3732351	4.37E-03	0.00E+00	4.37E-03	7.61E-04
2273	500297.6	3732347	4.34E-03	0.00E+00	4.34E-03	7.56E-04
2274	500288.5	3732343	4.30E-03	0.00E+00	4.30E-03	7.50E-04
2275	500279.4	3732340	4.27E-03	0.00E+00	4.27E-03	7.43E-04
2276	500270.2	3732336	4.23E-03	0.00E+00	4.23E-03	7.36E-04
2277	500261.1	3732332	4.19E-03	0.00E+00	4.19E-03	7.29E-04
2278	500252	3732328	4.14E-03	0.00E+00	4.14E-03	7.22E-04
2279	500242.9	3732324	4.10E-03	0.00E+00	4.10E-03	7.14E-04
2280	500233.7	3732321	4.05E-03	0.00E+00	4.05E-03	7.06E-04
2281	500224.6	3732317	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2282	500197.2	3732306	3.85E-03	0.00E+00	3.85E-03	6.71E-04
2283	500188.1	3732302	3.80E-03	0.00E+00	3.80E-03	6.62E-04
2284	500179	3732298	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2285	500169.9	3732294	3.69E-03	0.00E+00	3.69E-03	6.43E-04
2286	500160.7	3732290	3.63E-03	0.00E+00	3.63E-03	6.33E-04
2287	500151.6	3732287	3.58E-03	0.00E+00	3.58E-03	6.23E-04
2288	500142.5	3732283	3.52E-03	0.00E+00	3.52E-03	6.13E-04
2289	500133.3	3732279	3.46E-03	0.00E+00	3.46E-03	6.03E-04
2290	500493.7	3732389	4.21E-03	0.00E+00	4.21E-03	7.34E-04
2291	500501	3732395	4.22E-03	0.00E+00	4.22E-03	7.35E-04
2292	500508.3	3732402	4.22E-03	0.00E+00	4.22E-03	7.34E-04
2293	500530.3	3732421	4.20E-03	0.00E+00	4.20E-03	7.32E-04
2294	500537.6	3732428	4.19E-03	0.00E+00	4.19E-03	7.30E-04
2295	500545	3732434	4.18E-03	0.00E+00	4.18E-03	7.28E-04
2296	500552.3	3732441	4.16E-03	0.00E+00	4.16E-03	7.25E-04

2297	500559.6	3732447	4.14E-03	0.00E+00	4.14E-03	7.22E-04
2298	500566.9	3732454	4.12E-03	0.00E+00	4.12E-03	7.19E-04
2299	500574.3	3732460	4.10E-03	0.00E+00	4.10E-03	7.15E-04
2300	500581.6	3732467	4.08E-03	0.00E+00	4.08E-03	7.11E-04
2301	500588.9	3732473	4.05E-03	0.00E+00	4.05E-03	7.06E-04
2302	500596.2	3732480	4.02E-03	0.00E+00	4.02E-03	7.01E-04
2303	500603.6	3732486	3.99E-03	0.00E+00	3.99E-03	6.95E-04
2304	500610.9	3732493	3.96E-03	0.00E+00	3.96E-03	6.89E-04
2305	500618.2	3732499	3.92E-03	0.00E+00	3.92E-03	6.83E-04
2306	500625.5	3732506	3.88E-03	0.00E+00	3.88E-03	6.77E-04
2307	500632.9	3732512	3.84E-03	0.00E+00	3.84E-03	6.70E-04
2308	500640.2	3732519	3.80E-03	0.00E+00	3.80E-03	6.63E-04
2309	500647.5	3732526	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2310	500654.8	3732532	3.72E-03	0.00E+00	3.72E-03	6.48E-04
2311	500662.2	3732539	3.67E-03	0.00E+00	3.67E-03	6.40E-04
2312	500669.5	3732545	3.63E-03	0.00E+00	3.63E-03	6.32E-04
2313	500691.5	3732565	3.48E-03	0.00E+00	3.48E-03	6.07E-04
2314	500698.8	3732571	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2315	500706.1	3732578	3.38E-03	0.00E+00	3.38E-03	5.89E-04
2316	500713.4	3732584	3.33E-03	0.00E+00	3.33E-03	5.80E-04
2317	500720.8	3732591	3.27E-03	0.00E+00	3.27E-03	5.70E-04
2318	500728.1	3732597	3.22E-03	0.00E+00	3.22E-03	5.61E-04
2319	500735.4	3732604	3.17E-03	0.00E+00	3.17E-03	5.52E-04
2320	500742.7	3732610	3.11E-03	0.00E+00	3.11E-03	5.42E-04
2321	500750.1	3732617	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2322	500757.4	3732623	3.00E-03	0.00E+00	3.00E-03	5.23E-04
2323	500764.7	3732630	2.95E-03	0.00E+00	2.95E-03	5.14E-04
2324	500772	3732636	2.90E-03	0.00E+00	2.90E-03	5.05E-04
2325	500779.4	3732643	2.84E-03	0.00E+00	2.84E-03	4.95E-04
2326	500786.7	3732649	2.79E-03	0.00E+00	2.79E-03	4.86E-04
2327	500794	3732656	2.73E-03	0.00E+00	2.73E-03	4.76E-04
2328	500801.3	3732662	2.68E-03	0.00E+00	2.68E-03	4.67E-04
2329	500808.7	3732669	2.63E-03	0.00E+00	2.63E-03	4.58E-04
2330	500816	3732675	2.58E-03	0.00E+00	2.58E-03	4.49E-04
2331	500823.3	3732682	2.52E-03	0.00E+00	2.52E-03	4.40E-04
2332	500830.6	3732688	2.47E-03	0.00E+00	2.47E-03	4.31E-04
2333	500838	3732695	2.42E-03	0.00E+00	2.42E-03	4.22E-04
2334	500845.3	3732701	2.37E-03	0.00E+00	2.37E-03	4.14E-04
2335	500852.6	3732708	2.28E-03	0.00E+00	2.28E-03	3.98E-04
2336	500859.9	3732714	2.23E-03	0.00E+00	2.23E-03	3.89E-04
2337	500869	3732730	2.16E-03	0.00E+00	2.16E-03	3.76E-04
2338	500870.8	3732740	2.13E-03	0.00E+00	2.13E-03	3.72E-04
2339	500872.5	3732750	2.11E-03	0.00E+00	2.11E-03	3.68E-04
2340	500874.2	3732759	2.09E-03	0.00E+00	2.09E-03	3.64E-04
2341	500876	3732769	2.07E-03	0.00E+00	2.07E-03	3.60E-04
2342	500877.7	3732779	2.04E-03	0.00E+00	2.04E-03	3.56E-04
2343	500879.5	3732788	2.02E-03	0.00E+00	2.02E-03	3.52E-04

2344	500881.2	3732798	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2345	500883	3732808	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2346	500884.7	3732817	1.96E-03	0.00E+00	1.96E-03	3.41E-04
2347	500886.4	3732827	1.93E-03	0.00E+00	1.93E-03	3.37E-04
2348	500888.2	3732836	1.91E-03	0.00E+00	1.91E-03	3.33E-04
2349	500889.9	3732846	1.89E-03	0.00E+00	1.89E-03	3.29E-04
2350	500891.7	3732856	1.87E-03	0.00E+00	1.87E-03	3.25E-04
2351	500893.4	3732865	1.85E-03	0.00E+00	1.85E-03	3.22E-04
2352	500895.2	3732875	1.82E-03	0.00E+00	1.82E-03	3.18E-04
2353	500896.9	3732885	1.80E-03	0.00E+00	1.80E-03	3.14E-04
2354	500898.6	3732894	1.78E-03	0.00E+00	1.78E-03	3.10E-04
2355	500900.4	3732904	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2356	500902.1	3732914	1.74E-03	0.00E+00	1.74E-03	3.03E-04
2357	500903.9	3732923	1.72E-03	0.00E+00	1.72E-03	2.99E-04
2358	500905.6	3732933	1.70E-03	0.00E+00	1.70E-03	2.96E-04
2359	500912.6	3732971	1.62E-03	0.00E+00	1.62E-03	2.82E-04
2360	500914.3	3732981	1.60E-03	0.00E+00	1.60E-03	2.78E-04
2361	500916.1	3732991	1.58E-03	0.00E+00	1.58E-03	2.75E-04
2362	500917.8	3733000	1.56E-03	0.00E+00	1.56E-03	2.72E-04
2363	500919.6	3733010	1.54E-03	0.00E+00	1.54E-03	2.69E-04
2364	500921.3	3733020	1.52E-03	0.00E+00	1.52E-03	2.65E-04
2365	500924.8	3733039	1.49E-03	0.00E+00	1.49E-03	2.59E-04
2366	500926.5	3733049	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2367	500928.3	3733058	1.45E-03	0.00E+00	1.45E-03	2.53E-04
2368	500930	3733068	1.44E-03	0.00E+00	1.44E-03	2.51E-04
2369	500931.8	3733078	1.42E-03	0.00E+00	1.42E-03	2.48E-04
2370	500933.5	3733087	1.41E-03	0.00E+00	1.41E-03	2.45E-04
2371	500935.3	3733097	1.39E-03	0.00E+00	1.39E-03	2.42E-04
2372	500937	3733106	1.38E-03	0.00E+00	1.38E-03	2.40E-04
2373	500938.7	3733116	1.36E-03	0.00E+00	1.36E-03	2.37E-04
2374	500940.5	3733126	1.35E-03	0.00E+00	1.35E-03	2.35E-04
2375	500942.2	3733135	1.33E-03	0.00E+00	1.33E-03	2.32E-04
2376	500944	3733145	1.32E-03	0.00E+00	1.32E-03	2.30E-04
2377	500945.7	3733155	1.31E-03	0.00E+00	1.31E-03	2.27E-04
2378	500947.5	3733164	1.29E-03	0.00E+00	1.29E-03	2.25E-04
2379	500949.2	3733174	1.28E-03	0.00E+00	1.28E-03	2.23E-04
2380	500950.9	3733184	1.27E-03	0.00E+00	1.27E-03	2.21E-04
2381	500952.7	3733193	1.26E-03	0.00E+00	1.26E-03	2.19E-04
2382	500954.4	3733203	1.24E-03	0.00E+00	1.24E-03	2.17E-04
2383	500956.2	3733213	1.23E-03	0.00E+00	1.23E-03	2.15E-04
2384	500486.4	3732382	4.21E-03	0.00E+00	4.21E-03	7.33E-04
2385	500477.2	3732379	4.22E-03	0.00E+00	4.22E-03	7.36E-04
2386	500468.1	3732375	4.24E-03	0.00E+00	4.24E-03	7.38E-04
2387	500459	3732371	4.25E-03	0.00E+00	4.25E-03	7.40E-04
2388	500449.9	3732367	4.25E-03	0.00E+00	4.25E-03	7.41E-04
2389	500440.7	3732363	4.26E-03	0.00E+00	4.26E-03	7.42E-04
2390	500431.6	3732360	4.26E-03	0.00E+00	4.26E-03	7.43E-04

2391	500422.5	3732356	4.26E-03	0.00E+00	4.26E-03	7.43E-04
2392	500413.4	3732352	4.26E-03	0.00E+00	4.26E-03	7.42E-04
2393	500404.2	3732348	4.25E-03	0.00E+00	4.25E-03	7.41E-04
2394	500395.1	3732344	4.25E-03	0.00E+00	4.25E-03	7.40E-04
2395	500386	3732341	4.23E-03	0.00E+00	4.23E-03	7.38E-04
2396	500376.8	3732337	4.22E-03	0.00E+00	4.22E-03	7.36E-04
2397	500367.7	3732333	4.21E-03	0.00E+00	4.21E-03	7.33E-04
2398	500358.6	3732329	4.19E-03	0.00E+00	4.19E-03	7.30E-04
2399	500349.5	3732325	4.17E-03	0.00E+00	4.17E-03	7.26E-04
2400	500340.3	3732322	4.14E-03	0.00E+00	4.14E-03	7.22E-04
2401	500331.2	3732318	4.12E-03	0.00E+00	4.12E-03	7.18E-04
2402	500322.1	3732314	4.09E-03	0.00E+00	4.09E-03	7.13E-04
2403	500313	3732310	4.06E-03	0.00E+00	4.06E-03	7.08E-04
2404	500303.8	3732306	4.03E-03	0.00E+00	4.03E-03	7.03E-04
2405	500294.7	3732303	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2406	500285.6	3732299	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2407	500276.5	3732295	3.93E-03	0.00E+00	3.93E-03	6.84E-04
2408	500267.3	3732291	3.89E-03	0.00E+00	3.89E-03	6.78E-04
2409	500258.2	3732288	3.85E-03	0.00E+00	3.85E-03	6.71E-04
2410	500249.1	3732284	3.81E-03	0.00E+00	3.81E-03	6.64E-04
2411	500240	3732280	3.77E-03	0.00E+00	3.77E-03	6.56E-04
2412	500230.8	3732276	3.72E-03	0.00E+00	3.72E-03	6.48E-04
2413	500194.3	3732261	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2414	500185.2	3732257	3.48E-03	0.00E+00	3.48E-03	6.07E-04
2415	500176.1	3732253	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2416	500166.9	3732250	3.38E-03	0.00E+00	3.38E-03	5.90E-04
2417	500157.8	3732246	3.33E-03	0.00E+00	3.33E-03	5.81E-04
2418	500148.7	3732242	3.28E-03	0.00E+00	3.28E-03	5.72E-04
2419	500509	3732352	3.96E-03	0.00E+00	3.96E-03	6.91E-04
2420	500516.3	3732358	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2421	500523.5	3732365	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2422	500530.8	3732371	3.97E-03	0.00E+00	3.97E-03	6.91E-04
2423	500538.1	3732378	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2424	500545.4	3732384	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2425	500567.2	3732404	3.93E-03	0.00E+00	3.93E-03	6.84E-04
2426	500589.1	3732423	3.88E-03	0.00E+00	3.88E-03	6.76E-04
2427	500596.4	3732429	3.86E-03	0.00E+00	3.86E-03	6.72E-04
2428	500603.6	3732436	3.84E-03	0.00E+00	3.84E-03	6.68E-04
2429	500610.9	3732442	3.81E-03	0.00E+00	3.81E-03	6.64E-04
2430	500618.2	3732449	3.78E-03	0.00E+00	3.78E-03	6.59E-04
2431	500625.5	3732455	3.76E-03	0.00E+00	3.76E-03	6.54E-04
2432	500632.8	3732462	3.73E-03	0.00E+00	3.73E-03	6.49E-04
2433	500640	3732468	3.69E-03	0.00E+00	3.69E-03	6.44E-04
2434	500647.3	3732475	3.66E-03	0.00E+00	3.66E-03	6.38E-04
2435	500654.6	3732481	3.63E-03	0.00E+00	3.63E-03	6.32E-04
2436	500661.9	3732488	3.59E-03	0.00E+00	3.59E-03	6.25E-04
2437	500669.2	3732494	3.55E-03	0.00E+00	3.55E-03	6.19E-04

2438	500676.4	3732501	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2439	500683.7	3732507	3.47E-03	0.00E+00	3.47E-03	6.05E-04
2440	500691	3732514	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2441	500698.3	3732520	3.39E-03	0.00E+00	3.39E-03	5.90E-04
2442	500705.6	3732527	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2443	500712.8	3732533	3.30E-03	0.00E+00	3.30E-03	5.75E-04
2444	500742	3732559	3.11E-03	0.00E+00	3.11E-03	5.42E-04
2445	500749.3	3732565	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2446	500756.5	3732572	3.01E-03	0.00E+00	3.01E-03	5.25E-04
2447	500763.8	3732578	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2448	500771.1	3732585	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2449	500778.4	3732591	2.87E-03	0.00E+00	2.87E-03	5.00E-04
2450	500785.7	3732598	2.82E-03	0.00E+00	2.82E-03	4.91E-04
2451	500792.9	3732604	2.77E-03	0.00E+00	2.77E-03	4.82E-04
2452	500800.2	3732611	2.72E-03	0.00E+00	2.72E-03	4.74E-04
2453	500807.5	3732617	2.67E-03	0.00E+00	2.67E-03	4.65E-04
2454	500814.8	3732624	2.62E-03	0.00E+00	2.62E-03	4.57E-04
2455	500822.1	3732630	2.57E-03	0.00E+00	2.57E-03	4.48E-04
2456	500829.3	3732636	2.53E-03	0.00E+00	2.53E-03	4.40E-04
2457	500836.6	3732643	2.48E-03	0.00E+00	2.48E-03	4.32E-04
2458	500843.9	3732649	2.43E-03	0.00E+00	2.43E-03	4.23E-04
2459	500851.2	3732656	2.38E-03	0.00E+00	2.38E-03	4.15E-04
2460	500858.5	3732662	2.34E-03	0.00E+00	2.34E-03	4.07E-04
2461	500865.7	3732669	2.25E-03	0.00E+00	2.25E-03	3.92E-04
2462	500873	3732675	2.20E-03	0.00E+00	2.20E-03	3.84E-04
2463	500880.3	3732682	2.16E-03	0.00E+00	2.16E-03	3.76E-04
2464	500887.6	3732688	2.11E-03	0.00E+00	2.11E-03	3.68E-04
2465	500894.9	3732695	2.07E-03	0.00E+00	2.07E-03	3.60E-04
2466	500903.9	3732711	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2467	500905.6	3732720	1.98E-03	0.00E+00	1.98E-03	3.46E-04
2468	500907.3	3732730	1.96E-03	0.00E+00	1.96E-03	3.42E-04
2469	500909.1	3732740	1.94E-03	0.00E+00	1.94E-03	3.39E-04
2470	500910.8	3732749	1.92E-03	0.00E+00	1.92E-03	3.35E-04
2471	500912.5	3732759	1.90E-03	0.00E+00	1.90E-03	3.32E-04
2472	500914.3	3732768	1.88E-03	0.00E+00	1.88E-03	3.28E-04
2473	500916	3732778	1.86E-03	0.00E+00	1.86E-03	3.25E-04
2474	500917.7	3732787	1.84E-03	0.00E+00	1.84E-03	3.21E-04
2475	500919.5	3732797	1.82E-03	0.00E+00	1.82E-03	3.18E-04
2476	500921.2	3732807	1.80E-03	0.00E+00	1.80E-03	3.14E-04
2477	500922.9	3732816	1.78E-03	0.00E+00	1.78E-03	3.11E-04
2478	500924.7	3732826	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2479	500926.4	3732835	1.74E-03	0.00E+00	1.74E-03	3.04E-04
2480	500928.1	3732845	1.72E-03	0.00E+00	1.72E-03	3.00E-04
2481	500929.9	3732855	1.70E-03	0.00E+00	1.70E-03	2.97E-04
2482	500931.6	3732864	1.69E-03	0.00E+00	1.69E-03	2.94E-04
2483	500933.3	3732874	1.67E-03	0.00E+00	1.67E-03	2.90E-04
2484	500935.1	3732883	1.65E-03	0.00E+00	1.65E-03	2.87E-04

2485	500936.8	3732893	1.63E-03	0.00E+00	1.63E-03	2.84E-04
2486	500938.5	3732902	1.61E-03	0.00E+00	1.61E-03	2.80E-04
2487	500940.3	3732912	1.59E-03	0.00E+00	1.59E-03	2.77E-04
2488	500942	3732922	1.57E-03	0.00E+00	1.57E-03	2.74E-04
2489	500943.7	3732931	1.55E-03	0.00E+00	1.55E-03	2.71E-04
2490	500950.7	3732970	1.48E-03	0.00E+00	1.48E-03	2.59E-04
2491	500952.4	3732979	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2492	500954.1	3732989	1.45E-03	0.00E+00	1.45E-03	2.53E-04
2493	500955.9	3732998	1.43E-03	0.00E+00	1.43E-03	2.50E-04
2494	500957.6	3733008	1.42E-03	0.00E+00	1.42E-03	2.47E-04
2495	500959.3	3733017	1.40E-03	0.00E+00	1.40E-03	2.44E-04
2496	500961.1	3733027	1.39E-03	0.00E+00	1.39E-03	2.42E-04
2497	500964.5	3733046	1.36E-03	0.00E+00	1.36E-03	2.36E-04
2498	500966.3	3733056	1.34E-03	0.00E+00	1.34E-03	2.34E-04
2499	500968	3733065	1.33E-03	0.00E+00	1.33E-03	2.31E-04
2500	500969.7	3733075	1.31E-03	0.00E+00	1.31E-03	2.29E-04
2501	500971.5	3733085	1.30E-03	0.00E+00	1.30E-03	2.26E-04
2502	500973.2	3733094	1.29E-03	0.00E+00	1.29E-03	2.24E-04
2503	500974.9	3733104	1.27E-03	0.00E+00	1.27E-03	2.22E-04
2504	500976.7	3733113	1.26E-03	0.00E+00	1.26E-03	2.20E-04
2505	500978.4	3733123	1.25E-03	0.00E+00	1.25E-03	2.17E-04
2506	500980.1	3733132	1.24E-03	0.00E+00	1.24E-03	2.15E-04
2507	500981.8	3733142	1.22E-03	0.00E+00	1.22E-03	2.13E-04
2508	500983.6	3733152	1.21E-03	0.00E+00	1.21E-03	2.11E-04
2509	500985.3	3733161	1.20E-03	0.00E+00	1.20E-03	2.09E-04
2510	500987	3733171	1.19E-03	0.00E+00	1.19E-03	2.07E-04
2511	500988.8	3733180	1.18E-03	0.00E+00	1.18E-03	2.05E-04
2512	500990.5	3733190	1.17E-03	0.00E+00	1.17E-03	2.03E-04
2513	500992.2	3733200	1.16E-03	0.00E+00	1.16E-03	2.02E-04
2514	500994	3733209	1.15E-03	0.00E+00	1.15E-03	2.00E-04
2515	500995.7	3733219	1.14E-03	0.00E+00	1.14E-03	1.98E-04
2516	500501.7	3732345	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2517	500492.6	3732342	3.97E-03	0.00E+00	3.97E-03	6.92E-04
2518	500483.5	3732338	3.98E-03	0.00E+00	3.98E-03	6.94E-04
2519	500474.3	3732334	3.99E-03	0.00E+00	3.99E-03	6.95E-04
2520	500465.2	3732330	3.99E-03	0.00E+00	3.99E-03	6.96E-04
2521	500456.1	3732326	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2522	500446.9	3732323	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2523	500437.8	3732319	4.00E-03	0.00E+00	4.00E-03	6.97E-04
2524	500428.7	3732315	4.00E-03	0.00E+00	4.00E-03	6.96E-04
2525	500419.6	3732311	3.99E-03	0.00E+00	3.99E-03	6.95E-04
2526	500410.4	3732307	3.98E-03	0.00E+00	3.98E-03	6.94E-04
2527	500401.3	3732304	3.97E-03	0.00E+00	3.97E-03	6.92E-04
2528	500392.2	3732300	3.96E-03	0.00E+00	3.96E-03	6.90E-04
2529	500383.1	3732296	3.95E-03	0.00E+00	3.95E-03	6.88E-04
2530	500373.9	3732292	3.93E-03	0.00E+00	3.93E-03	6.85E-04
2531	500364.8	3732288	3.91E-03	0.00E+00	3.91E-03	6.82E-04

2532	500355.7	3732285	3.89E-03	0.00E+00	3.89E-03	6.78E-04
2533	500346.6	3732281	3.87E-03	0.00E+00	3.87E-03	6.74E-04
2534	500337.4	3732277	3.84E-03	0.00E+00	3.84E-03	6.70E-04
2535	500328.3	3732273	3.82E-03	0.00E+00	3.82E-03	6.65E-04
2536	500319.2	3732270	3.79E-03	0.00E+00	3.79E-03	6.60E-04
2537	500310.1	3732266	3.76E-03	0.00E+00	3.76E-03	6.55E-04
2538	500300.9	3732262	3.73E-03	0.00E+00	3.73E-03	6.50E-04
2539	500291.8	3732258	3.70E-03	0.00E+00	3.70E-03	6.44E-04
2540	500282.7	3732254	3.66E-03	0.00E+00	3.66E-03	6.38E-04
2541	500273.6	3732251	3.63E-03	0.00E+00	3.63E-03	6.32E-04
2542	500264.4	3732247	3.59E-03	0.00E+00	3.59E-03	6.25E-04
2543	500255.3	3732243	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2544	500246.2	3732239	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2545	500237	3732235	3.47E-03	0.00E+00	3.47E-03	6.04E-04
2546	500227.9	3732232	3.43E-03	0.00E+00	3.43E-03	5.97E-04
2547	500191.4	3732216	3.25E-03	0.00E+00	3.25E-03	5.67E-04
2548	500182.3	3732213	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2549	500173.2	3732209	3.16E-03	0.00E+00	3.16E-03	5.51E-04
2550	500164	3732205	3.12E-03	0.00E+00	3.12E-03	5.43E-04
2551	500524.4	3732315	3.74E-03	0.00E+00	3.74E-03	6.51E-04
2552	500531.8	3732322	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2553	500539.2	3732328	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2554	500546.5	3732335	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2555	500568.6	3732354	3.73E-03	0.00E+00	3.73E-03	6.50E-04
2556	500576	3732361	3.72E-03	0.00E+00	3.72E-03	6.48E-04
2557	500583.4	3732367	3.71E-03	0.00E+00	3.71E-03	6.47E-04
2558	500590.7	3732374	3.70E-03	0.00E+00	3.70E-03	6.45E-04
2559	500598.1	3732380	3.69E-03	0.00E+00	3.69E-03	6.42E-04
2560	500605.5	3732387	3.67E-03	0.00E+00	3.67E-03	6.39E-04
2561	500612.8	3732394	3.65E-03	0.00E+00	3.65E-03	6.36E-04
2562	500620.2	3732400	3.63E-03	0.00E+00	3.63E-03	6.33E-04
2563	500649.7	3732426	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2564	500657	3732433	3.51E-03	0.00E+00	3.51E-03	6.11E-04
2565	500664.4	3732439	3.48E-03	0.00E+00	3.48E-03	6.06E-04
2566	500671.8	3732446	3.45E-03	0.00E+00	3.45E-03	6.00E-04
2567	500679.1	3732452	3.41E-03	0.00E+00	3.41E-03	5.95E-04
2568	500686.5	3732459	3.38E-03	0.00E+00	3.38E-03	5.89E-04
2569	500693.9	3732466	3.34E-03	0.00E+00	3.34E-03	5.83E-04
2570	500701.3	3732472	3.31E-03	0.00E+00	3.31E-03	5.76E-04
2571	500708.6	3732479	3.27E-03	0.00E+00	3.27E-03	5.70E-04
2572	500716	3732485	3.23E-03	0.00E+00	3.23E-03	5.63E-04
2573	500723.4	3732492	3.19E-03	0.00E+00	3.19E-03	5.56E-04
2574	500730.7	3732498	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2575	500738.1	3732505	3.11E-03	0.00E+00	3.11E-03	5.41E-04
2576	500745.5	3732511	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2577	500752.8	3732518	3.02E-03	0.00E+00	3.02E-03	5.26E-04
2578	500760.2	3732524	2.98E-03	0.00E+00	2.98E-03	5.19E-04

2579	500767.6	3732531	2.93E-03	0.00E+00	2.93E-03	5.11E-04
2580	500789.7	3732551	2.80E-03	0.00E+00	2.80E-03	4.88E-04
2581	500797	3732557	2.75E-03	0.00E+00	2.75E-03	4.80E-04
2582	500804.4	3732564	2.71E-03	0.00E+00	2.71E-03	4.72E-04
2583	500811.8	3732570	2.66E-03	0.00E+00	2.66E-03	4.64E-04
2584	500819.1	3732577	2.62E-03	0.00E+00	2.62E-03	4.56E-04
2585	500826.5	3732583	2.57E-03	0.00E+00	2.57E-03	4.48E-04
2586	500833.9	3732590	2.53E-03	0.00E+00	2.53E-03	4.40E-04
2587	500841.2	3732596	2.48E-03	0.00E+00	2.48E-03	4.32E-04
2588	500848.6	3732603	2.44E-03	0.00E+00	2.44E-03	4.25E-04
2589	500856	3732610	2.39E-03	0.00E+00	2.39E-03	4.17E-04
2590	500863.3	3732616	2.32E-03	0.00E+00	2.32E-03	4.04E-04
2591	500870.7	3732623	2.27E-03	0.00E+00	2.27E-03	3.95E-04
2592	500878.1	3732629	2.22E-03	0.00E+00	2.22E-03	3.87E-04
2593	500885.5	3732636	2.18E-03	0.00E+00	2.18E-03	3.79E-04
2594	500892.8	3732642	2.13E-03	0.00E+00	2.13E-03	3.71E-04
2595	500900.2	3732649	2.09E-03	0.00E+00	2.09E-03	3.64E-04
2596	500907.6	3732655	2.05E-03	0.00E+00	2.05E-03	3.57E-04
2597	500914.9	3732662	2.00E-03	0.00E+00	2.00E-03	3.49E-04
2598	500922.3	3732669	1.96E-03	0.00E+00	1.96E-03	3.42E-04
2599	500929.7	3732675	1.92E-03	0.00E+00	1.92E-03	3.35E-04
2600	500938.8	3732691	1.87E-03	0.00E+00	1.87E-03	3.25E-04
2601	500940.5	3732701	1.85E-03	0.00E+00	1.85E-03	3.22E-04
2602	500942.3	3732711	1.83E-03	0.00E+00	1.83E-03	3.19E-04
2603	500944	3732720	1.81E-03	0.00E+00	1.81E-03	3.16E-04
2604	500945.8	3732730	1.79E-03	0.00E+00	1.79E-03	3.12E-04
2605	500947.5	3732740	1.77E-03	0.00E+00	1.77E-03	3.09E-04
2606	500949.3	3732750	1.76E-03	0.00E+00	1.76E-03	3.06E-04
2607	500951.1	3732759	1.74E-03	0.00E+00	1.74E-03	3.03E-04
2608	500952.8	3732769	1.72E-03	0.00E+00	1.72E-03	3.00E-04
2609	500954.6	3732779	1.70E-03	0.00E+00	1.70E-03	2.96E-04
2610	500956.3	3732788	1.68E-03	0.00E+00	1.68E-03	2.93E-04
2611	500958.1	3732798	1.66E-03	0.00E+00	1.66E-03	2.90E-04
2612	500959.8	3732808	1.65E-03	0.00E+00	1.65E-03	2.87E-04
2613	500961.6	3732817	1.63E-03	0.00E+00	1.63E-03	2.84E-04
2614	500963.3	3732827	1.61E-03	0.00E+00	1.61E-03	2.81E-04
2615	500965.1	3732837	1.59E-03	0.00E+00	1.59E-03	2.77E-04
2616	500966.8	3732846	1.57E-03	0.00E+00	1.57E-03	2.74E-04
2617	500968.6	3732856	1.56E-03	0.00E+00	1.56E-03	2.71E-04
2618	500970.3	3732866	1.54E-03	0.00E+00	1.54E-03	2.68E-04
2619	500972.1	3732876	1.52E-03	0.00E+00	1.52E-03	2.65E-04
2620	500973.8	3732885	1.51E-03	0.00E+00	1.51E-03	2.62E-04
2621	500975.6	3732895	1.49E-03	0.00E+00	1.49E-03	2.59E-04
2622	500977.4	3732905	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2623	500979.1	3732914	1.45E-03	0.00E+00	1.45E-03	2.52E-04
2624	500980.9	3732924	1.43E-03	0.00E+00	1.43E-03	2.49E-04
2625	500982.6	3732934	1.41E-03	0.00E+00	1.41E-03	2.47E-04

2626	500989.6	3732973	1.36E-03	0.00E+00	1.36E-03	2.37E-04
2627	500991.4	3732982	1.34E-03	0.00E+00	1.34E-03	2.34E-04
2628	500993.1	3732992	1.33E-03	0.00E+00	1.33E-03	2.31E-04
2629	500994.9	3733002	1.31E-03	0.00E+00	1.31E-03	2.29E-04
2630	501000.1	3733031	1.27E-03	0.00E+00	1.27E-03	2.21E-04
2631	501001.9	3733040	1.26E-03	0.00E+00	1.26E-03	2.19E-04
2632	501003.7	3733050	1.24E-03	0.00E+00	1.24E-03	2.17E-04
2633	501024.7	3733167	1.11E-03	0.00E+00	1.11E-03	1.93E-04
2634	501028.2	3733186	1.09E-03	0.00E+00	1.09E-03	1.89E-04
2635	501030	3733196	1.08E-03	0.00E+00	1.08E-03	1.88E-04
2636	501031.7	3733205	1.07E-03	0.00E+00	1.07E-03	1.87E-04
2637	501033.5	3733215	1.06E-03	0.00E+00	1.06E-03	1.85E-04
2638	501035.2	3733225	1.05E-03	0.00E+00	1.05E-03	1.84E-04
2639	500517.1	3732308	3.73E-03	0.00E+00	3.73E-03	6.50E-04
2640	500507.9	3732305	3.74E-03	0.00E+00	3.74E-03	6.52E-04
2641	500498.8	3732301	3.75E-03	0.00E+00	3.75E-03	6.53E-04
2642	500489.7	3732297	3.76E-03	0.00E+00	3.76E-03	6.54E-04
2643	500480.5	3732293	3.76E-03	0.00E+00	3.76E-03	6.55E-04
2644	500471.4	3732289	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2645	500462.3	3732286	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2646	500453.2	3732282	3.76E-03	0.00E+00	3.76E-03	6.56E-04
2647	500444	3732278	3.76E-03	0.00E+00	3.76E-03	6.55E-04
2648	500434.9	3732274	3.75E-03	0.00E+00	3.75E-03	6.54E-04
2649	500425.8	3732271	3.75E-03	0.00E+00	3.75E-03	6.53E-04
2650	500416.7	3732267	3.74E-03	0.00E+00	3.74E-03	6.51E-04
2651	500407.5	3732263	3.73E-03	0.00E+00	3.73E-03	6.49E-04
2652	500398.4	3732259	3.71E-03	0.00E+00	3.71E-03	6.47E-04
2653	500389.3	3732255	3.70E-03	0.00E+00	3.70E-03	6.44E-04
2654	500380.2	3732252	3.68E-03	0.00E+00	3.68E-03	6.41E-04
2655	500371	3732248	3.66E-03	0.00E+00	3.66E-03	6.38E-04
2656	500361.9	3732244	3.64E-03	0.00E+00	3.64E-03	6.34E-04
2657	500352.8	3732240	3.62E-03	0.00E+00	3.62E-03	6.30E-04
2658	500343.7	3732236	3.59E-03	0.00E+00	3.59E-03	6.26E-04
2659	500334.5	3732233	3.57E-03	0.00E+00	3.57E-03	6.22E-04
2660	500325.4	3732229	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2661	500316.3	3732225	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2662	500307.1	3732221	3.48E-03	0.00E+00	3.48E-03	6.07E-04
2663	500298	3732217	3.45E-03	0.00E+00	3.45E-03	6.02E-04
2664	500288.9	3732214	3.42E-03	0.00E+00	3.42E-03	5.96E-04
2665	500279.8	3732210	3.39E-03	0.00E+00	3.39E-03	5.90E-04
2666	500270.6	3732206	3.35E-03	0.00E+00	3.35E-03	5.84E-04
2667	500261.5	3732202	3.32E-03	0.00E+00	3.32E-03	5.78E-04
2668	500252.4	3732198	3.28E-03	0.00E+00	3.28E-03	5.72E-04
2669	500243.3	3732195	3.24E-03	0.00E+00	3.24E-03	5.65E-04
2670	500234.1	3732191	3.21E-03	0.00E+00	3.21E-03	5.58E-04
2671	500225	3732187	3.17E-03	0.00E+00	3.17E-03	5.52E-04
2672	500539.7	3732278	3.53E-03	0.00E+00	3.53E-03	6.15E-04

2673	500547	3732285	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2674	500569	3732304	3.54E-03	0.00E+00	3.54E-03	6.16E-04
2675	500576.3	3732311	3.53E-03	0.00E+00	3.53E-03	6.16E-04
2676	500583.7	3732317	3.53E-03	0.00E+00	3.53E-03	6.15E-04
2677	500591	3732324	3.52E-03	0.00E+00	3.52E-03	6.14E-04
2678	500598.3	3732330	3.51E-03	0.00E+00	3.51E-03	6.12E-04
2679	500605.6	3732337	3.50E-03	0.00E+00	3.50E-03	6.11E-04
2680	500613	3732343	3.49E-03	0.00E+00	3.49E-03	6.08E-04
2681	500620.3	3732350	3.48E-03	0.00E+00	3.48E-03	6.06E-04
2682	500627.6	3732356	3.46E-03	0.00E+00	3.46E-03	6.04E-04
2683	500634.9	3732363	3.45E-03	0.00E+00	3.45E-03	6.01E-04
2684	500642.3	3732369	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2685	500649.6	3732376	3.41E-03	0.00E+00	3.41E-03	5.94E-04
2686	500656.9	3732382	3.39E-03	0.00E+00	3.39E-03	5.90E-04
2687	500664.2	3732389	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2688	500671.6	3732395	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2689	500678.9	3732402	3.32E-03	0.00E+00	3.32E-03	5.78E-04
2690	500700.9	3732421	3.23E-03	0.00E+00	3.23E-03	5.63E-04
2691	500708.2	3732428	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2692	500715.5	3732434	3.17E-03	0.00E+00	3.17E-03	5.52E-04
2693	500722.9	3732441	3.13E-03	0.00E+00	3.13E-03	5.46E-04
2694	500730.2	3732447	3.10E-03	0.00E+00	3.10E-03	5.40E-04
2695	500737.5	3732454	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2696	500744.8	3732460	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2697	500752.2	3732467	2.99E-03	0.00E+00	2.99E-03	5.21E-04
2698	500759.5	3732473	2.95E-03	0.00E+00	2.95E-03	5.15E-04
2699	500766.8	3732480	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2700	500774.1	3732486	2.88E-03	0.00E+00	2.88E-03	5.01E-04
2701	500781.5	3732493	2.84E-03	0.00E+00	2.84E-03	4.94E-04
2702	500788.8	3732499	2.80E-03	0.00E+00	2.80E-03	4.87E-04
2703	500818.1	3732525	2.63E-03	0.00E+00	2.63E-03	4.59E-04
2704	500847.4	3732551	2.47E-03	0.00E+00	2.47E-03	4.30E-04
2705	500854.7	3732558	2.43E-03	0.00E+00	2.43E-03	4.23E-04
2706	500862	3732564	2.36E-03	0.00E+00	2.36E-03	4.11E-04
2707	500869.4	3732571	2.32E-03	0.00E+00	2.32E-03	4.04E-04
2708	500876.7	3732577	2.27E-03	0.00E+00	2.27E-03	3.96E-04
2709	500884	3732584	2.23E-03	0.00E+00	2.23E-03	3.88E-04
2710	500891.3	3732590	2.19E-03	0.00E+00	2.19E-03	3.81E-04
2711	500898.7	3732597	2.14E-03	0.00E+00	2.14E-03	3.74E-04
2712	500906	3732603	2.10E-03	0.00E+00	2.10E-03	3.66E-04
2713	500913.3	3732610	2.06E-03	0.00E+00	2.06E-03	3.59E-04
2714	500920.6	3732616	2.02E-03	0.00E+00	2.02E-03	3.52E-04
2715	500928	3732623	1.98E-03	0.00E+00	1.98E-03	3.46E-04
2716	500935.3	3732629	1.94E-03	0.00E+00	1.94E-03	3.39E-04
2717	500942.6	3732636	1.91E-03	0.00E+00	1.91E-03	3.32E-04
2718	500949.9	3732642	1.87E-03	0.00E+00	1.87E-03	3.26E-04
2719	500957.3	3732649	1.83E-03	0.00E+00	1.83E-03	3.19E-04

2720	500964.6	3732656	1.80E-03	0.00E+00	1.80E-03	3.13E-04
2721	500973.7	3732672	1.74E-03	0.00E+00	1.74E-03	3.04E-04
2722	500975.4	3732681	1.73E-03	0.00E+00	1.73E-03	3.01E-04
2723	500977.1	3732691	1.71E-03	0.00E+00	1.71E-03	2.98E-04
2724	500978.9	3732701	1.69E-03	0.00E+00	1.69E-03	2.95E-04
2725	500980.6	3732710	1.68E-03	0.00E+00	1.68E-03	2.92E-04
2726	500982.4	3732720	1.66E-03	0.00E+00	1.66E-03	2.89E-04
2727	500984.1	3732730	1.64E-03	0.00E+00	1.64E-03	2.86E-04
2728	500985.9	3732739	1.63E-03	0.00E+00	1.63E-03	2.83E-04
2729	500987.6	3732749	1.61E-03	0.00E+00	1.61E-03	2.80E-04
2730	500989.3	3732758	1.59E-03	0.00E+00	1.59E-03	2.78E-04
2731	500991.1	3732768	1.58E-03	0.00E+00	1.58E-03	2.75E-04
2732	500992.8	3732778	1.56E-03	0.00E+00	1.56E-03	2.72E-04
2733	500994.6	3732787	1.54E-03	0.00E+00	1.54E-03	2.69E-04
2734	500996.3	3732797	1.52E-03	0.00E+00	1.52E-03	2.66E-04
2735	500998.1	3732807	1.51E-03	0.00E+00	1.51E-03	2.63E-04
2736	500999.8	3732816	1.49E-03	0.00E+00	1.49E-03	2.60E-04
2737	501001.5	3732826	1.47E-03	0.00E+00	1.47E-03	2.57E-04
2738	501003.3	3732836	1.46E-03	0.00E+00	1.46E-03	2.54E-04
2739	501020.7	3732932	1.31E-03	0.00E+00	1.31E-03	2.28E-04
2740	501029.4	3732980	1.24E-03	0.00E+00	1.24E-03	2.16E-04
2741	501031.2	3732990	1.23E-03	0.00E+00	1.23E-03	2.14E-04
2742	501039.9	3733038	1.17E-03	0.00E+00	1.17E-03	2.03E-04
2743	501041.6	3733048	1.15E-03	0.00E+00	1.15E-03	2.01E-04
2744	501046.9	3733077	1.12E-03	0.00E+00	1.12E-03	1.95E-04
2745	501048.6	3733086	1.11E-03	0.00E+00	1.11E-03	1.93E-04
2746	501050.3	3733096	1.10E-03	0.00E+00	1.10E-03	1.92E-04
2747	501052.1	3733106	1.09E-03	0.00E+00	1.09E-03	1.90E-04
2748	501053.8	3733115	1.08E-03	0.00E+00	1.08E-03	1.88E-04
2749	501055.6	3733125	1.07E-03	0.00E+00	1.07E-03	1.86E-04
2750	501057.3	3733135	1.06E-03	0.00E+00	1.06E-03	1.85E-04
2751	501059.1	3733144	1.05E-03	0.00E+00	1.05E-03	1.83E-04
2752	501060.8	3733154	1.04E-03	0.00E+00	1.04E-03	1.81E-04
2753	501062.6	3733163	1.03E-03	0.00E+00	1.03E-03	1.80E-04
2754	500532.4	3732271	3.52E-03	0.00E+00	3.52E-03	6.14E-04
2755	500523.3	3732268	3.53E-03	0.00E+00	3.53E-03	6.15E-04
2756	500514.1	3732264	3.54E-03	0.00E+00	3.54E-03	6.16E-04
2757	500505	3732260	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2758	500495.9	3732256	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2759	500486.8	3732253	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2760	500477.6	3732249	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2761	500468.5	3732245	3.55E-03	0.00E+00	3.55E-03	6.18E-04
2762	500459.4	3732241	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2763	500450.3	3732237	3.54E-03	0.00E+00	3.54E-03	6.17E-04
2764	500441.1	3732234	3.53E-03	0.00E+00	3.53E-03	6.15E-04
2765	500432	3732230	3.52E-03	0.00E+00	3.52E-03	6.14E-04
2766	500422.9	3732226	3.51E-03	0.00E+00	3.51E-03	6.12E-04

2767	500413.8	3732222	3.50E-03	0.00E+00	3.50E-03	6.10E-04
2768	500404.6	3732218	3.49E-03	0.00E+00	3.49E-03	6.07E-04
2769	500395.5	3732215	3.47E-03	0.00E+00	3.47E-03	6.05E-04
2770	500386.4	3732211	3.45E-03	0.00E+00	3.45E-03	6.02E-04
2771	500377.2	3732207	3.43E-03	0.00E+00	3.43E-03	5.98E-04
2772	500368.1	3732203	3.41E-03	0.00E+00	3.41E-03	5.95E-04
2773	500359	3732199	3.39E-03	0.00E+00	3.39E-03	5.91E-04
2774	500349.9	3732196	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2775	500340.7	3732192	3.34E-03	0.00E+00	3.34E-03	5.83E-04
2776	500331.6	3732188	3.32E-03	0.00E+00	3.32E-03	5.78E-04
2777	500322.5	3732184	3.29E-03	0.00E+00	3.29E-03	5.74E-04
2778	500194.7	3732131	2.82E-03	0.00E+00	2.82E-03	4.91E-04
2779	500568.2	3732258	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2780	500575.6	3732265	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2781	500582.9	3732271	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2782	500590.3	3732278	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2783	500597.7	3732284	3.36E-03	0.00E+00	3.36E-03	5.86E-04
2784	500605.1	3732291	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2785	500612.4	3732297	3.35E-03	0.00E+00	3.35E-03	5.84E-04
2786	500619.8	3732304	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2787	500627.2	3732311	3.33E-03	0.00E+00	3.33E-03	5.81E-04
2788	500634.5	3732317	3.32E-03	0.00E+00	3.32E-03	5.79E-04
2789	500641.9	3732324	3.31E-03	0.00E+00	3.31E-03	5.76E-04
2790	500649.3	3732330	3.29E-03	0.00E+00	3.29E-03	5.74E-04
2791	500656.6	3732337	3.28E-03	0.00E+00	3.28E-03	5.71E-04
2792	500664	3732343	3.26E-03	0.00E+00	3.26E-03	5.68E-04
2793	500671.4	3732350	3.24E-03	0.00E+00	3.24E-03	5.65E-04
2794	500678.8	3732356	3.22E-03	0.00E+00	3.22E-03	5.61E-04
2795	500686.1	3732363	3.20E-03	0.00E+00	3.20E-03	5.57E-04
2796	500693.5	3732369	3.18E-03	0.00E+00	3.18E-03	5.53E-04
2797	500700.9	3732376	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2798	500708.2	3732383	3.13E-03	0.00E+00	3.13E-03	5.45E-04
2799	500715.6	3732389	3.10E-03	0.00E+00	3.10E-03	5.40E-04
2800	500723	3732396	3.07E-03	0.00E+00	3.07E-03	5.35E-04
2801	500730.4	3732402	3.04E-03	0.00E+00	3.04E-03	5.30E-04
2802	500752.5	3732422	2.95E-03	0.00E+00	2.95E-03	5.14E-04
2803	500759.8	3732428	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2804	500767.2	3732435	2.88E-03	0.00E+00	2.88E-03	5.02E-04
2805	500774.6	3732442	2.85E-03	0.00E+00	2.85E-03	4.96E-04
2806	500781.9	3732448	2.81E-03	0.00E+00	2.81E-03	4.90E-04
2807	500789.3	3732455	2.78E-03	0.00E+00	2.78E-03	4.84E-04
2808	500818.8	3732481	2.63E-03	0.00E+00	2.63E-03	4.58E-04
2809	500826.2	3732487	2.59E-03	0.00E+00	2.59E-03	4.51E-04
2810	500833.5	3732494	2.55E-03	0.00E+00	2.55E-03	4.44E-04
2811	500840.9	3732500	2.51E-03	0.00E+00	2.51E-03	4.38E-04
2812	500848.3	3732507	2.47E-03	0.00E+00	2.47E-03	4.31E-04
2813	500855.6	3732514	2.43E-03	0.00E+00	2.43E-03	4.24E-04

2814	500863	3732520	2.38E-03	0.00E+00	2.38E-03	4.14E-04
2815	500870.4	3732527	2.34E-03	0.00E+00	2.34E-03	4.07E-04
2816	500899.9	3732553	2.17E-03	0.00E+00	2.17E-03	3.78E-04
2817	500907.2	3732559	2.13E-03	0.00E+00	2.13E-03	3.71E-04
2818	500914.6	3732566	2.09E-03	0.00E+00	2.09E-03	3.65E-04
2819	500922	3732572	2.05E-03	0.00E+00	2.05E-03	3.58E-04
2820	500929.3	3732579	2.02E-03	0.00E+00	2.02E-03	3.51E-04
2821	500936.7	3732586	1.98E-03	0.00E+00	1.98E-03	3.45E-04
2822	500944.1	3732592	1.94E-03	0.00E+00	1.94E-03	3.38E-04
2823	500951.5	3732599	1.90E-03	0.00E+00	1.90E-03	3.32E-04
2824	500958.8	3732605	1.87E-03	0.00E+00	1.87E-03	3.25E-04
2825	500966.2	3732612	1.83E-03	0.00E+00	1.83E-03	3.19E-04
2826	500973.6	3732618	1.80E-03	0.00E+00	1.80E-03	3.13E-04
2827	500980.9	3732625	1.76E-03	0.00E+00	1.76E-03	3.07E-04
2828	500988.3	3732631	1.73E-03	0.00E+00	1.73E-03	3.01E-04
2829	500995.7	3732638	1.69E-03	0.00E+00	1.69E-03	2.95E-04
2830	501022.3	3732751	1.48E-03	0.00E+00	1.48E-03	2.58E-04
2831	501024.1	3732761	1.47E-03	0.00E+00	1.47E-03	2.56E-04
2832	501025.9	3732771	1.45E-03	0.00E+00	1.45E-03	2.53E-04
2833	501027.6	3732780	1.44E-03	0.00E+00	1.44E-03	2.51E-04
2834	501029.4	3732790	1.42E-03	0.00E+00	1.42E-03	2.48E-04
2835	501031.1	3732800	1.41E-03	0.00E+00	1.41E-03	2.45E-04
2836	501032.9	3732809	1.39E-03	0.00E+00	1.39E-03	2.43E-04
2837	501034.6	3732819	1.38E-03	0.00E+00	1.38E-03	2.40E-04
2838	501036.4	3732829	1.36E-03	0.00E+00	1.36E-03	2.38E-04
2839	501038.1	3732839	1.35E-03	0.00E+00	1.35E-03	2.35E-04
2840	501039.9	3732848	1.34E-03	0.00E+00	1.34E-03	2.33E-04
2841	501041.6	3732858	1.32E-03	0.00E+00	1.32E-03	2.30E-04
2842	501043.4	3732868	1.31E-03	0.00E+00	1.31E-03	2.28E-04
2843	501045.1	3732877	1.29E-03	0.00E+00	1.29E-03	2.25E-04
2844	501046.9	3732887	1.28E-03	0.00E+00	1.28E-03	2.23E-04
2845	501092.5	3733139	9.92E-04	0.00E+00	9.92E-04	1.73E-04
2846	501103	3733198	9.45E-04	0.00E+00	9.45E-04	1.65E-04
2847	501104.8	3733207	9.38E-04	0.00E+00	9.38E-04	1.63E-04
2848	501106.5	3733217	9.31E-04	0.00E+00	9.31E-04	1.62E-04
2849	500546.1	3732239	3.35E-03	0.00E+00	3.35E-03	5.84E-04
2850	500537	3732235	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2851	500527.8	3732231	3.37E-03	0.00E+00	3.37E-03	5.86E-04
2852	500518.7	3732227	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2853	500509.6	3732223	3.37E-03	0.00E+00	3.37E-03	5.88E-04
2854	500500.5	3732220	3.37E-03	0.00E+00	3.37E-03	5.88E-04
2855	500491.3	3732216	3.37E-03	0.00E+00	3.37E-03	5.88E-04
2856	500482.2	3732212	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2857	500473.1	3732208	3.37E-03	0.00E+00	3.37E-03	5.87E-04
2858	500464	3732204	3.36E-03	0.00E+00	3.36E-03	5.86E-04
2859	500454.8	3732201	3.36E-03	0.00E+00	3.36E-03	5.85E-04
2860	500445.7	3732197	3.35E-03	0.00E+00	3.35E-03	5.83E-04

2861	500436.6	3732193	3.34E-03	0.00E+00	3.34E-03	5.82E-04
2862	500427.5	3732189	3.33E-03	0.00E+00	3.33E-03	5.80E-04
2863	500418.3	3732185	3.31E-03	0.00E+00	3.31E-03	5.77E-04
2864	500409.2	3732182	3.30E-03	0.00E+00	3.30E-03	5.75E-04
2865	500290.6	3732132	3.00E-03	0.00E+00	3.00E-03	5.22E-04
2866	500281.4	3732129	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2867	500272.3	3732125	2.94E-03	0.00E+00	2.94E-03	5.12E-04
2868	500263.2	3732121	2.90E-03	0.00E+00	2.90E-03	5.06E-04
2869	500567.1	3732212	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2870	500574.4	3732218	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2871	500581.7	3732225	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2872	500589	3732231	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2873	500596.3	3732238	3.21E-03	0.00E+00	3.21E-03	5.60E-04
2874	500603.6	3732244	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2875	500610.9	3732251	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2876	500618.2	3732257	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2877	500625.5	3732264	3.20E-03	0.00E+00	3.20E-03	5.57E-04
2878	500632.8	3732270	3.19E-03	0.00E+00	3.19E-03	5.56E-04
2879	500640.1	3732277	3.18E-03	0.00E+00	3.18E-03	5.55E-04
2880	500647.4	3732283	3.18E-03	0.00E+00	3.18E-03	5.53E-04
2881	500654.7	3732290	3.16E-03	0.00E+00	3.16E-03	5.51E-04
2882	500662	3732296	3.15E-03	0.00E+00	3.15E-03	5.49E-04
2883	500669.3	3732303	3.14E-03	0.00E+00	3.14E-03	5.47E-04
2884	500676.6	3732309	3.12E-03	0.00E+00	3.12E-03	5.44E-04
2885	500683.9	3732316	3.11E-03	0.00E+00	3.11E-03	5.41E-04
2886	500691.2	3732322	3.09E-03	0.00E+00	3.09E-03	5.38E-04
2887	500698.5	3732329	3.07E-03	0.00E+00	3.07E-03	5.35E-04
2888	500705.8	3732335	3.05E-03	0.00E+00	3.05E-03	5.32E-04
2889	500713.1	3732342	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2890	500720.4	3732348	3.01E-03	0.00E+00	3.01E-03	5.24E-04
2891	500727.7	3732355	2.98E-03	0.00E+00	2.98E-03	5.20E-04
2892	500735	3732361	2.96E-03	0.00E+00	2.96E-03	5.16E-04
2893	500742.3	3732368	2.93E-03	0.00E+00	2.93E-03	5.11E-04
2894	500749.6	3732374	2.91E-03	0.00E+00	2.91E-03	5.06E-04
2895	500756.9	3732381	2.88E-03	0.00E+00	2.88E-03	5.02E-04
2896	500764.2	3732387	2.85E-03	0.00E+00	2.85E-03	4.97E-04
2897	500771.5	3732394	2.82E-03	0.00E+00	2.82E-03	4.91E-04
2898	500778.7	3732400	2.79E-03	0.00E+00	2.79E-03	4.86E-04
2899	500786	3732407	2.76E-03	0.00E+00	2.76E-03	4.81E-04
2900	500815.2	3732432	2.63E-03	0.00E+00	2.63E-03	4.58E-04
2901	500822.5	3732439	2.60E-03	0.00E+00	2.60E-03	4.52E-04
2902	500829.8	3732445	2.56E-03	0.00E+00	2.56E-03	4.46E-04
2903	500837.1	3732452	2.53E-03	0.00E+00	2.53E-03	4.40E-04
2904	500844.4	3732458	2.49E-03	0.00E+00	2.49E-03	4.34E-04
2905	500851.7	3732465	2.46E-03	0.00E+00	2.46E-03	4.28E-04
2906	500859	3732471	2.42E-03	0.00E+00	2.42E-03	4.22E-04
2907	500866.3	3732478	2.39E-03	0.00E+00	2.39E-03	4.16E-04

2908	500873.6	3732484	2.35E-03	0.00E+00	2.35E-03	4.10E-04
2909	500880.9	3732491	2.31E-03	0.00E+00	2.31E-03	4.03E-04
2910	500888.2	3732497	2.26E-03	0.00E+00	2.26E-03	3.94E-04
2911	500895.5	3732504	2.22E-03	0.00E+00	2.22E-03	3.87E-04
2912	500902.8	3732510	2.18E-03	0.00E+00	2.18E-03	3.81E-04
2913	500910.1	3732517	2.15E-03	0.00E+00	2.15E-03	3.74E-04
2914	500917.4	3732523	2.11E-03	0.00E+00	2.11E-03	3.67E-04
2915	500924.7	3732530	2.07E-03	0.00E+00	2.07E-03	3.61E-04
2916	500946.6	3732549	1.96E-03	0.00E+00	1.96E-03	3.42E-04
2917	500953.9	3732556	1.93E-03	0.00E+00	1.93E-03	3.36E-04
2918	500961.2	3732562	1.89E-03	0.00E+00	1.89E-03	3.30E-04
2919	500968.5	3732569	1.86E-03	0.00E+00	1.86E-03	3.24E-04
2920	500975.8	3732575	1.82E-03	0.00E+00	1.82E-03	3.18E-04
2921	500983.1	3732582	1.79E-03	0.00E+00	1.79E-03	3.12E-04
2922	500990.4	3732588	1.76E-03	0.00E+00	1.76E-03	3.06E-04
2923	500997.7	3732595	1.72E-03	0.00E+00	1.72E-03	3.00E-04
2924	501026.9	3732621	1.60E-03	0.00E+00	1.60E-03	2.78E-04
2925	501035.9	3732637	1.55E-03	0.00E+00	1.55E-03	2.70E-04
2926	501037.7	3732646	1.54E-03	0.00E+00	1.54E-03	2.67E-04
2927	501039.4	3732656	1.52E-03	0.00E+00	1.52E-03	2.65E-04
2928	501041.1	3732665	1.51E-03	0.00E+00	1.51E-03	2.62E-04
2929	501042.9	3732675	1.49E-03	0.00E+00	1.49E-03	2.60E-04
2930	501044.6	3732685	1.48E-03	0.00E+00	1.48E-03	2.57E-04
2931	501046.3	3732694	1.46E-03	0.00E+00	1.46E-03	2.55E-04
2932	501048.1	3732704	1.45E-03	0.00E+00	1.45E-03	2.52E-04
2933	501049.8	3732714	1.44E-03	0.00E+00	1.44E-03	2.50E-04
2934	501051.6	3732723	1.42E-03	0.00E+00	1.42E-03	2.48E-04
2935	501053.3	3732733	1.41E-03	0.00E+00	1.41E-03	2.45E-04
2936	501055	3732742	1.39E-03	0.00E+00	1.39E-03	2.43E-04
2937	501056.8	3732752	1.38E-03	0.00E+00	1.38E-03	2.40E-04
2938	501058.5	3732762	1.37E-03	0.00E+00	1.37E-03	2.38E-04
2939	501060.2	3732771	1.35E-03	0.00E+00	1.35E-03	2.35E-04
2940	501062	3732781	1.34E-03	0.00E+00	1.34E-03	2.33E-04
2941	501063.7	3732790	1.32E-03	0.00E+00	1.32E-03	2.31E-04
2942	501065.5	3732800	1.31E-03	0.00E+00	1.31E-03	2.28E-04
2943	501067.2	3732810	1.30E-03	0.00E+00	1.30E-03	2.26E-04
2944	501068.9	3732819	1.28E-03	0.00E+00	1.28E-03	2.24E-04
2945	501070.7	3732829	1.27E-03	0.00E+00	1.27E-03	2.22E-04
2946	501072.4	3732838	1.26E-03	0.00E+00	1.26E-03	2.19E-04
2947	501074.1	3732848	1.25E-03	0.00E+00	1.25E-03	2.17E-04
2948	501075.9	3732858	1.23E-03	0.00E+00	1.23E-03	2.15E-04
2949	501077.6	3732867	1.22E-03	0.00E+00	1.22E-03	2.13E-04
2950	501079.3	3732877	1.21E-03	0.00E+00	1.21E-03	2.10E-04
2951	501138.4	3733204	8.89E-04	0.00E+00	8.89E-04	1.55E-04
2952	501140.1	3733213	8.82E-04	0.00E+00	8.82E-04	1.54E-04
2953	501141.9	3733223	8.76E-04	0.00E+00	8.76E-04	1.53E-04
2954	501145.3	3733242	8.64E-04	0.00E+00	8.64E-04	1.51E-04

2955	500559.8	3732206	3.19E-03	0.00E+00	3.19E-03	5.57E-04
2956	500550.7	3732202	3.20E-03	0.00E+00	3.20E-03	5.58E-04
2957	500541.5	3732198	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2958	500532.4	3732194	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2959	500523.3	3732190	3.21E-03	0.00E+00	3.21E-03	5.60E-04
2960	500514.2	3732187	3.21E-03	0.00E+00	3.21E-03	5.60E-04
2961	500505	3732183	3.21E-03	0.00E+00	3.21E-03	5.59E-04
2962	500386.4	3732133	3.07E-03	0.00E+00	3.07E-03	5.36E-04
2963	500377.3	3732130	3.05E-03	0.00E+00	3.05E-03	5.32E-04
2964	500368.1	3732126	3.03E-03	0.00E+00	3.03E-03	5.29E-04
2965	500359	3732122	3.01E-03	0.00E+00	3.01E-03	5.25E-04
2966	500349.9	3732118	2.99E-03	0.00E+00	2.99E-03	5.21E-04
2967	500340.8	3732115	2.97E-03	0.00E+00	2.97E-03	5.17E-04
2968	500331.6	3732111	2.94E-03	0.00E+00	2.94E-03	5.13E-04
2969	500322.5	3732107	2.92E-03	0.00E+00	2.92E-03	5.08E-04
2970	500313.4	3732103	2.89E-03	0.00E+00	2.89E-03	5.04E-04
2971	500304.3	3732099	2.86E-03	0.00E+00	2.86E-03	4.99E-04
2972	500295.1	3732096	2.84E-03	0.00E+00	2.84E-03	4.94E-04
2973	500286	3732092	2.81E-03	0.00E+00	2.81E-03	4.89E-04
2974	500276.9	3732088	2.78E-03	0.00E+00	2.78E-03	4.84E-04
2975	500267.8	3732084	2.75E-03	0.00E+00	2.75E-03	4.79E-04
2976	500258.6	3732080	2.72E-03	0.00E+00	2.72E-03	4.74E-04
2977	500588.2	3732186	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2978	500595.5	3732192	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2979	500602.9	3732199	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2980	500610.2	3732205	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2981	500617.5	3732212	3.07E-03	0.00E+00	3.07E-03	5.34E-04
2982	500624.9	3732218	3.06E-03	0.00E+00	3.06E-03	5.34E-04
2983	500632.2	3732225	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2984	500639.6	3732231	3.06E-03	0.00E+00	3.06E-03	5.33E-04
2985	500646.9	3732238	3.05E-03	0.00E+00	3.05E-03	5.32E-04
2986	500654.2	3732244	3.05E-03	0.00E+00	3.05E-03	5.31E-04
2987	500661.6	3732251	3.04E-03	0.00E+00	3.04E-03	5.29E-04
2988	500668.9	3732257	3.03E-03	0.00E+00	3.03E-03	5.28E-04
2989	500676.3	3732264	3.02E-03	0.00E+00	3.02E-03	5.26E-04
2990	500683.6	3732270	3.01E-03	0.00E+00	3.01E-03	5.24E-04
2991	500691	3732277	2.99E-03	0.00E+00	2.99E-03	5.21E-04
2992	500698.3	3732283	2.98E-03	0.00E+00	2.98E-03	5.19E-04
2993	500705.6	3732290	2.96E-03	0.00E+00	2.96E-03	5.16E-04
2994	500713	3732296	2.95E-03	0.00E+00	2.95E-03	5.13E-04
2995	500720.3	3732303	2.93E-03	0.00E+00	2.93E-03	5.10E-04
2996	500727.7	3732310	2.91E-03	0.00E+00	2.91E-03	5.07E-04
2997	500735	3732316	2.89E-03	0.00E+00	2.89E-03	5.03E-04
2998	500742.3	3732323	2.87E-03	0.00E+00	2.87E-03	4.99E-04
2999	500749.7	3732329	2.84E-03	0.00E+00	2.84E-03	4.96E-04
3000	500757	3732336	2.82E-03	0.00E+00	2.82E-03	4.91E-04
3001	500764.4	3732342	2.80E-03	0.00E+00	2.80E-03	4.87E-04

3002	500771.7	3732349	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3003	500779	3732355	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3004	500786.4	3732362	2.72E-03	0.00E+00	2.72E-03	4.73E-04
3005	500793.7	3732368	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3006	500815.7	3732388	2.60E-03	0.00E+00	2.60E-03	4.54E-04
3007	500823.1	3732394	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3008	500830.4	3732401	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3009	500837.8	3732407	2.51E-03	0.00E+00	2.51E-03	4.37E-04
3010	500845.1	3732414	2.48E-03	0.00E+00	2.48E-03	4.32E-04
3011	500852.4	3732420	2.45E-03	0.00E+00	2.45E-03	4.26E-04
3012	500859.8	3732427	2.41E-03	0.00E+00	2.41E-03	4.21E-04
3013	500867.1	3732433	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3014	500874.5	3732440	2.35E-03	0.00E+00	2.35E-03	4.09E-04
3015	500881.8	3732446	2.32E-03	0.00E+00	2.32E-03	4.03E-04
3016	500889.2	3732453	2.28E-03	0.00E+00	2.28E-03	3.98E-04
3017	500896.5	3732460	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3018	500903.8	3732466	2.20E-03	0.00E+00	2.20E-03	3.83E-04
3019	500911.2	3732473	2.16E-03	0.00E+00	2.16E-03	3.77E-04
3020	500918.5	3732479	2.13E-03	0.00E+00	2.13E-03	3.70E-04
3021	500925.9	3732486	2.09E-03	0.00E+00	2.09E-03	3.64E-04
3022	500933.2	3732492	2.06E-03	0.00E+00	2.06E-03	3.58E-04
3023	500940.5	3732499	2.02E-03	0.00E+00	2.02E-03	3.52E-04
3024	500947.9	3732505	1.99E-03	0.00E+00	1.99E-03	3.46E-04
3025	500955.2	3732512	1.95E-03	0.00E+00	1.95E-03	3.40E-04
3026	500962.6	3732518	1.92E-03	0.00E+00	1.92E-03	3.34E-04
3027	500969.9	3732525	1.88E-03	0.00E+00	1.88E-03	3.28E-04
3028	500977.2	3732531	1.85E-03	0.00E+00	1.85E-03	3.23E-04
3029	500991.9	3732544	1.79E-03	0.00E+00	1.79E-03	3.11E-04
3030	500999.3	3732551	1.75E-03	0.00E+00	1.75E-03	3.06E-04
3031	501028.6	3732577	1.63E-03	0.00E+00	1.63E-03	2.84E-04
3032	501036	3732583	1.60E-03	0.00E+00	1.60E-03	2.79E-04
3033	501043.3	3732590	1.57E-03	0.00E+00	1.57E-03	2.73E-04
3034	501050.7	3732597	1.54E-03	0.00E+00	1.54E-03	2.68E-04
3035	501058	3732603	1.51E-03	0.00E+00	1.51E-03	2.63E-04
3036	501067.1	3732619	1.47E-03	0.00E+00	1.47E-03	2.55E-04
3037	501068.8	3732629	1.45E-03	0.00E+00	1.45E-03	2.53E-04
3038	501070.6	3732639	1.44E-03	0.00E+00	1.44E-03	2.51E-04
3039	501072.3	3732648	1.43E-03	0.00E+00	1.43E-03	2.49E-04
3040	501074.1	3732658	1.41E-03	0.00E+00	1.41E-03	2.46E-04
3041	501075.8	3732668	1.40E-03	0.00E+00	1.40E-03	2.44E-04
3042	501077.6	3732677	1.39E-03	0.00E+00	1.39E-03	2.42E-04
3043	501079.3	3732687	1.37E-03	0.00E+00	1.37E-03	2.39E-04
3044	501081.1	3732697	1.36E-03	0.00E+00	1.36E-03	2.37E-04
3045	501082.8	3732706	1.35E-03	0.00E+00	1.35E-03	2.35E-04
3046	501084.5	3732716	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3047	501086.3	3732726	1.32E-03	0.00E+00	1.32E-03	2.30E-04
3048	501088	3732735	1.31E-03	0.00E+00	1.31E-03	2.28E-04

3049	501089.8	3732745	1.30E-03	0.00E+00	1.30E-03	2.26E-04
3050	501091.5	3732755	1.28E-03	0.00E+00	1.28E-03	2.23E-04
3051	501093.3	3732764	1.27E-03	0.00E+00	1.27E-03	2.21E-04
3052	501095	3732774	1.26E-03	0.00E+00	1.26E-03	2.19E-04
3053	501096.8	3732784	1.24E-03	0.00E+00	1.24E-03	2.17E-04
3054	501098.5	3732793	1.23E-03	0.00E+00	1.23E-03	2.15E-04
3055	501100.3	3732803	1.22E-03	0.00E+00	1.22E-03	2.13E-04
3056	501102	3732813	1.21E-03	0.00E+00	1.21E-03	2.11E-04
3057	501103.8	3732822	1.20E-03	0.00E+00	1.20E-03	2.08E-04
3058	501105.5	3732832	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3059	501107.3	3732841	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3060	501109	3732851	1.16E-03	0.00E+00	1.16E-03	2.02E-04
3061	501110.8	3732861	1.15E-03	0.00E+00	1.15E-03	2.00E-04
3062	500482.2	3732135	3.04E-03	0.00E+00	3.04E-03	5.30E-04
3063	500473.1	3732131	3.04E-03	0.00E+00	3.04E-03	5.29E-04
3064	500464	3732127	3.03E-03	0.00E+00	3.03E-03	5.28E-04
3065	500454.9	3732123	3.02E-03	0.00E+00	3.02E-03	5.26E-04
3066	500445.7	3732119	3.01E-03	0.00E+00	3.01E-03	5.24E-04
3067	500436.6	3732116	2.99E-03	0.00E+00	2.99E-03	5.22E-04
3068	500427.5	3732112	2.98E-03	0.00E+00	2.98E-03	5.19E-04
3069	500418.4	3732108	2.97E-03	0.00E+00	2.97E-03	5.17E-04
3070	500409.2	3732104	2.95E-03	0.00E+00	2.95E-03	5.14E-04
3071	500400.1	3732101	2.93E-03	0.00E+00	2.93E-03	5.11E-04
3072	500391	3732097	2.92E-03	0.00E+00	2.92E-03	5.08E-04
3073	500381.8	3732093	2.90E-03	0.00E+00	2.90E-03	5.05E-04
3074	500372.7	3732089	2.88E-03	0.00E+00	2.88E-03	5.01E-04
3075	500363.6	3732085	2.86E-03	0.00E+00	2.86E-03	4.97E-04
3076	500354.5	3732082	2.83E-03	0.00E+00	2.83E-03	4.94E-04
3077	500345.3	3732078	2.81E-03	0.00E+00	2.81E-03	4.90E-04
3078	500336.2	3732074	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3079	500327.1	3732070	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3080	500318	3732066	2.74E-03	0.00E+00	2.74E-03	4.77E-04
3081	500308.8	3732063	2.71E-03	0.00E+00	2.71E-03	4.73E-04
3082	500299.7	3732059	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3083	500290.6	3732055	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3084	500281.5	3732051	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3085	500272.3	3732047	2.61E-03	0.00E+00	2.61E-03	4.54E-04
3086	500638.9	3732185	2.93E-03	0.00E+00	2.93E-03	5.11E-04
3087	500646.2	3732192	2.93E-03	0.00E+00	2.93E-03	5.10E-04
3088	500653.6	3732199	2.93E-03	0.00E+00	2.93E-03	5.10E-04
3089	500661	3732205	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3090	500668.4	3732212	2.92E-03	0.00E+00	2.92E-03	5.08E-04
3091	500675.8	3732218	2.91E-03	0.00E+00	2.91E-03	5.07E-04
3092	500683.1	3732225	2.90E-03	0.00E+00	2.90E-03	5.05E-04
3093	500690.5	3732231	2.89E-03	0.00E+00	2.89E-03	5.04E-04
3094	500697.9	3732238	2.88E-03	0.00E+00	2.88E-03	5.02E-04
3095	500705.3	3732244	2.87E-03	0.00E+00	2.87E-03	5.00E-04

3096	500712.7	3732251	2.86E-03	0.00E+00	2.86E-03	4.98E-04
3097	500720.1	3732258	2.84E-03	0.00E+00	2.84E-03	4.95E-04
3098	500727.4	3732264	2.83E-03	0.00E+00	2.83E-03	4.93E-04
3099	500734.8	3732271	2.81E-03	0.00E+00	2.81E-03	4.90E-04
3100	500742.2	3732277	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3101	500749.6	3732284	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3102	500757	3732290	2.76E-03	0.00E+00	2.76E-03	4.80E-04
3103	500764.3	3732297	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3104	500771.7	3732304	2.71E-03	0.00E+00	2.71E-03	4.73E-04
3105	500779.1	3732310	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3106	500786.5	3732317	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3107	500793.9	3732323	2.64E-03	0.00E+00	2.64E-03	4.61E-04
3108	500816	3732343	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3109	500823.4	3732349	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3110	500830.8	3732356	2.51E-03	0.00E+00	2.51E-03	4.38E-04
3111	500838.1	3732363	2.49E-03	0.00E+00	2.49E-03	4.33E-04
3112	500845.5	3732369	2.46E-03	0.00E+00	2.46E-03	4.28E-04
3113	500852.9	3732376	2.43E-03	0.00E+00	2.43E-03	4.23E-04
3114	500860.3	3732382	2.40E-03	0.00E+00	2.40E-03	4.18E-04
3115	500867.7	3732389	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3116	500875.1	3732395	2.34E-03	0.00E+00	2.34E-03	4.08E-04
3117	500882.4	3732402	2.31E-03	0.00E+00	2.31E-03	4.02E-04
3118	500889.8	3732408	2.28E-03	0.00E+00	2.28E-03	3.97E-04
3119	500897.2	3732415	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3120	500904.6	3732422	2.21E-03	0.00E+00	2.21E-03	3.84E-04
3121	500912	3732428	2.17E-03	0.00E+00	2.17E-03	3.79E-04
3122	500919.3	3732435	2.14E-03	0.00E+00	2.14E-03	3.73E-04
3123	500926.7	3732441	2.10E-03	0.00E+00	2.10E-03	3.67E-04
3124	500934.1	3732448	2.07E-03	0.00E+00	2.07E-03	3.61E-04
3125	500941.5	3732454	2.04E-03	0.00E+00	2.04E-03	3.55E-04
3126	500948.9	3732461	2.01E-03	0.00E+00	2.01E-03	3.49E-04
3127	500956.2	3732467	1.97E-03	0.00E+00	1.97E-03	3.44E-04
3128	500963.6	3732474	1.94E-03	0.00E+00	1.94E-03	3.38E-04
3129	500971	3732481	1.91E-03	0.00E+00	1.91E-03	3.32E-04
3130	500978.4	3732487	1.87E-03	0.00E+00	1.87E-03	3.27E-04
3131	500985.8	3732494	1.84E-03	0.00E+00	1.84E-03	3.21E-04
3132	500993.1	3732500	1.81E-03	0.00E+00	1.81E-03	3.16E-04
3133	501000.5	3732507	1.78E-03	0.00E+00	1.78E-03	3.10E-04
3134	501007.9	3732513	1.75E-03	0.00E+00	1.75E-03	3.05E-04
3135	501015.3	3732520	1.72E-03	0.00E+00	1.72E-03	2.99E-04
3136	501022.7	3732527	1.69E-03	0.00E+00	1.69E-03	2.94E-04
3137	501052.2	3732553	1.57E-03	0.00E+00	1.57E-03	2.73E-04
3138	501059.6	3732559	1.54E-03	0.00E+00	1.54E-03	2.68E-04
3139	501067	3732566	1.51E-03	0.00E+00	1.51E-03	2.63E-04
3140	501074.3	3732572	1.48E-03	0.00E+00	1.48E-03	2.58E-04
3141	501081.7	3732579	1.46E-03	0.00E+00	1.46E-03	2.54E-04
3142	501089.1	3732586	1.43E-03	0.00E+00	1.43E-03	2.49E-04

3143	501098.2	3732602	1.39E-03	0.00E+00	1.39E-03	2.42E-04
3144	501100	3732612	1.38E-03	0.00E+00	1.38E-03	2.40E-04
3145	501101.7	3732621	1.37E-03	0.00E+00	1.37E-03	2.38E-04
3146	501103.5	3732631	1.35E-03	0.00E+00	1.35E-03	2.36E-04
3147	501105.3	3732641	1.34E-03	0.00E+00	1.34E-03	2.34E-04
3148	501107	3732650	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3149	501108.8	3732660	1.32E-03	0.00E+00	1.32E-03	2.29E-04
3150	501110.5	3732670	1.30E-03	0.00E+00	1.30E-03	2.27E-04
3151	501112.3	3732680	1.29E-03	0.00E+00	1.29E-03	2.25E-04
3152	501114	3732689	1.28E-03	0.00E+00	1.28E-03	2.23E-04
3153	501115.8	3732699	1.27E-03	0.00E+00	1.27E-03	2.21E-04
3154	501117.6	3732709	1.26E-03	0.00E+00	1.26E-03	2.19E-04
3155	501119.3	3732718	1.24E-03	0.00E+00	1.24E-03	2.17E-04
3156	501121.1	3732728	1.23E-03	0.00E+00	1.23E-03	2.15E-04
3157	501122.8	3732738	1.22E-03	0.00E+00	1.22E-03	2.12E-04
3158	501124.6	3732748	1.21E-03	0.00E+00	1.21E-03	2.10E-04
3159	501126.3	3732757	1.20E-03	0.00E+00	1.20E-03	2.08E-04
3160	501128.1	3732767	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3161	501129.8	3732777	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3162	501131.6	3732786	1.16E-03	0.00E+00	1.16E-03	2.02E-04
3163	501133.4	3732796	1.15E-03	0.00E+00	1.15E-03	2.00E-04
3164	501135.1	3732806	1.14E-03	0.00E+00	1.14E-03	1.98E-04
3165	501136.9	3732816	1.13E-03	0.00E+00	1.13E-03	1.96E-04
3166	501138.6	3732825	1.12E-03	0.00E+00	1.12E-03	1.94E-04
3167	501140.4	3732835	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3168	501142.1	3732845	1.09E-03	0.00E+00	1.09E-03	1.90E-04
3169	501143.9	3732854	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3170	501207.1	3733204	7.94E-04	0.00E+00	7.94E-04	1.38E-04
3171	501208.9	3733214	7.88E-04	0.00E+00	7.88E-04	1.37E-04
3172	501210.6	3733224	7.83E-04	0.00E+00	7.83E-04	1.36E-04
3173	501212.4	3733233	7.78E-04	0.00E+00	7.78E-04	1.35E-04
3174	501214.2	3733243	7.73E-04	0.00E+00	7.73E-04	1.35E-04
3175	501215.9	3733253	7.68E-04	0.00E+00	7.68E-04	1.34E-04
3176	500568.9	3732132	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3177	500559.8	3732128	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3178	500550.7	3732124	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3179	500541.6	3732121	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3180	500532.4	3732117	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3181	500523.3	3732113	2.92E-03	0.00E+00	2.92E-03	5.09E-04
3182	500514.2	3732109	2.92E-03	0.00E+00	2.92E-03	5.08E-04
3183	500505.1	3732105	2.91E-03	0.00E+00	2.91E-03	5.07E-04
3184	500495.9	3732102	2.91E-03	0.00E+00	2.91E-03	5.06E-04
3185	500486.8	3732098	2.90E-03	0.00E+00	2.90E-03	5.05E-04
3186	500477.7	3732094	2.89E-03	0.00E+00	2.89E-03	5.03E-04
3187	500468.6	3732090	2.88E-03	0.00E+00	2.88E-03	5.02E-04
3188	500459.4	3732086	2.87E-03	0.00E+00	2.87E-03	5.00E-04
3189	500450.3	3732083	2.86E-03	0.00E+00	2.86E-03	4.98E-04

3190	500441.2	3732079	2.85E-03	0.00E+00	2.85E-03	4.96E-04
3191	500432.1	3732075	2.83E-03	0.00E+00	2.83E-03	4.94E-04
3192	500422.9	3732071	2.82E-03	0.00E+00	2.82E-03	4.91E-04
3193	500413.8	3732068	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3194	500404.7	3732064	2.79E-03	0.00E+00	2.79E-03	4.85E-04
3195	500395.5	3732060	2.77E-03	0.00E+00	2.77E-03	4.82E-04
3196	500386.4	3732056	2.75E-03	0.00E+00	2.75E-03	4.79E-04
3197	500377.3	3732052	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3198	500368.2	3732049	2.71E-03	0.00E+00	2.71E-03	4.72E-04
3199	500359	3732045	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3200	500349.9	3732041	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3201	500340.8	3732037	2.65E-03	0.00E+00	2.65E-03	4.61E-04
3202	500331.7	3732033	2.62E-03	0.00E+00	2.62E-03	4.57E-04
3203	500322.5	3732030	2.60E-03	0.00E+00	2.60E-03	4.53E-04
3204	500313.4	3732026	2.57E-03	0.00E+00	2.57E-03	4.49E-04
3205	500304.3	3732022	2.55E-03	0.00E+00	2.55E-03	4.44E-04
3206	500295.2	3732018	2.53E-03	0.00E+00	2.53E-03	4.40E-04
3207	500286	3732014	2.50E-03	0.00E+00	2.50E-03	4.36E-04
3208	500608.2	3732113	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3209	500615.5	3732120	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3210	500622.8	3732126	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3211	500630.2	3732133	2.80E-03	0.00E+00	2.80E-03	4.89E-04
3212	500688.7	3732185	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3213	500696	3732191	2.78E-03	0.00E+00	2.78E-03	4.85E-04
3214	500703.3	3732198	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3215	500710.6	3732204	2.77E-03	0.00E+00	2.77E-03	4.82E-04
3216	500717.9	3732211	2.76E-03	0.00E+00	2.76E-03	4.80E-04
3217	500725.3	3732217	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3218	500732.6	3732224	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3219	500739.9	3732230	2.72E-03	0.00E+00	2.72E-03	4.74E-04
3220	500747.2	3732237	2.71E-03	0.00E+00	2.71E-03	4.71E-04
3221	500754.5	3732243	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3222	500761.8	3732250	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3223	500769.2	3732256	2.66E-03	0.00E+00	2.66E-03	4.63E-04
3224	500776.5	3732263	2.64E-03	0.00E+00	2.64E-03	4.60E-04
3225	500783.8	3732269	2.62E-03	0.00E+00	2.62E-03	4.56E-04
3226	500791.1	3732276	2.60E-03	0.00E+00	2.60E-03	4.53E-04
3227	500820.4	3732302	2.51E-03	0.00E+00	2.51E-03	4.38E-04
3228	500827.7	3732308	2.49E-03	0.00E+00	2.49E-03	4.34E-04
3229	500835	3732315	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3230	500842.3	3732321	2.44E-03	0.00E+00	2.44E-03	4.25E-04
3231	500849.6	3732328	2.42E-03	0.00E+00	2.42E-03	4.21E-04
3232	500856.9	3732334	2.39E-03	0.00E+00	2.39E-03	4.17E-04
3233	500864.3	3732341	2.36E-03	0.00E+00	2.36E-03	4.12E-04
3234	500871.6	3732347	2.34E-03	0.00E+00	2.34E-03	4.07E-04
3235	500878.9	3732354	2.31E-03	0.00E+00	2.31E-03	4.03E-04
3236	500886.2	3732360	2.28E-03	0.00E+00	2.28E-03	3.98E-04

3237	500893.5	3732367	2.26E-03	0.00E+00	2.26E-03	3.93E-04
3238	500900.8	3732373	2.23E-03	0.00E+00	2.23E-03	3.88E-04
3239	500908.2	3732380	2.19E-03	0.00E+00	2.19E-03	3.82E-04
3240	500915.5	3732386	2.16E-03	0.00E+00	2.16E-03	3.77E-04
3241	500922.8	3732393	2.13E-03	0.00E+00	2.13E-03	3.72E-04
3242	500930.1	3732399	2.10E-03	0.00E+00	2.10E-03	3.66E-04
3243	500937.4	3732406	2.07E-03	0.00E+00	2.07E-03	3.61E-04
3244	500944.7	3732412	2.04E-03	0.00E+00	2.04E-03	3.55E-04
3245	500952	3732419	2.01E-03	0.00E+00	2.01E-03	3.50E-04
3246	500959.4	3732425	1.98E-03	0.00E+00	1.98E-03	3.45E-04
3247	500966.7	3732432	1.95E-03	0.00E+00	1.95E-03	3.39E-04
3248	500974	3732438	1.92E-03	0.00E+00	1.92E-03	3.34E-04
3249	500981.3	3732445	1.89E-03	0.00E+00	1.89E-03	3.29E-04
3250	500988.6	3732451	1.86E-03	0.00E+00	1.86E-03	3.23E-04
3251	500995.9	3732458	1.83E-03	0.00E+00	1.83E-03	3.18E-04
3252	501003.3	3732464	1.80E-03	0.00E+00	1.80E-03	3.13E-04
3253	501010.6	3732471	1.77E-03	0.00E+00	1.77E-03	3.08E-04
3254	501017.9	3732477	1.74E-03	0.00E+00	1.74E-03	3.03E-04
3255	501025.2	3732484	1.71E-03	0.00E+00	1.71E-03	2.97E-04
3256	501032.5	3732490	1.68E-03	0.00E+00	1.68E-03	2.92E-04
3257	501039.8	3732497	1.65E-03	0.00E+00	1.65E-03	2.88E-04
3258	501047.1	3732503	1.62E-03	0.00E+00	1.62E-03	2.82E-04
3259	501054.5	3732510	1.59E-03	0.00E+00	1.59E-03	2.77E-04
3260	501061.8	3732516	1.56E-03	0.00E+00	1.56E-03	2.72E-04
3261	501069.1	3732523	1.53E-03	0.00E+00	1.53E-03	2.67E-04
3262	501076.4	3732529	1.51E-03	0.00E+00	1.51E-03	2.63E-04
3263	501083.7	3732536	1.48E-03	0.00E+00	1.48E-03	2.58E-04
3264	501120.3	3732568	1.36E-03	0.00E+00	1.36E-03	2.36E-04
3265	501129.4	3732584	1.32E-03	0.00E+00	1.32E-03	2.30E-04
3266	501131.1	3732594	1.31E-03	0.00E+00	1.31E-03	2.28E-04
3267	501132.8	3732603	1.30E-03	0.00E+00	1.30E-03	2.26E-04
3268	501134.6	3732613	1.29E-03	0.00E+00	1.29E-03	2.24E-04
3269	501136.3	3732623	1.27E-03	0.00E+00	1.27E-03	2.22E-04
3270	501138.1	3732632	1.26E-03	0.00E+00	1.26E-03	2.20E-04
3271	501139.8	3732642	1.25E-03	0.00E+00	1.25E-03	2.18E-04
3272	501141.5	3732652	1.24E-03	0.00E+00	1.24E-03	2.16E-04
3273	501143.3	3732661	1.23E-03	0.00E+00	1.23E-03	2.14E-04
3274	501145	3732671	1.22E-03	0.00E+00	1.22E-03	2.12E-04
3275	501146.8	3732681	1.20E-03	0.00E+00	1.20E-03	2.10E-04
3276	501148.5	3732690	1.19E-03	0.00E+00	1.19E-03	2.08E-04
3277	501150.2	3732700	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3278	501152	3732709	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3279	501153.7	3732719	1.16E-03	0.00E+00	1.16E-03	2.02E-04
3280	501155.5	3732729	1.15E-03	0.00E+00	1.15E-03	2.00E-04
3281	501157.2	3732738	1.14E-03	0.00E+00	1.14E-03	1.98E-04
3282	501159	3732748	1.12E-03	0.00E+00	1.12E-03	1.96E-04
3283	501160.7	3732758	1.11E-03	0.00E+00	1.11E-03	1.94E-04

3284	501162.4	3732767	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3285	501164.2	3732777	1.09E-03	0.00E+00	1.09E-03	1.90E-04
3286	501165.9	3732786	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3287	501167.7	3732796	1.07E-03	0.00E+00	1.07E-03	1.87E-04
3288	501169.4	3732806	1.06E-03	0.00E+00	1.06E-03	1.85E-04
3289	501171.1	3732815	1.05E-03	0.00E+00	1.05E-03	1.83E-04
3290	501172.9	3732825	1.04E-03	0.00E+00	1.04E-03	1.82E-04
3291	501174.6	3732835	1.03E-03	0.00E+00	1.03E-03	1.80E-04
3292	501176.4	3732844	1.02E-03	0.00E+00	1.02E-03	1.78E-04
3293	501246	3733229	7.41E-04	0.00E+00	7.41E-04	1.29E-04
3294	501247.7	3733239	7.37E-04	0.00E+00	7.37E-04	1.28E-04
3295	501249.5	3733249	7.32E-04	0.00E+00	7.32E-04	1.28E-04
3296	501251.2	3733258	7.27E-04	0.00E+00	7.27E-04	1.27E-04
3297	500600.9	3732107	2.79E-03	0.00E+00	2.79E-03	4.85E-04
3298	500591.8	3732103	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3299	500582.6	3732099	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3300	500573.5	3732095	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3301	500564.4	3732091	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3302	500555.3	3732088	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3303	500546.1	3732084	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3304	500537	3732080	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3305	500527.9	3732076	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3306	500518.8	3732072	2.78E-03	0.00E+00	2.78E-03	4.85E-04
3307	500509.6	3732069	2.78E-03	0.00E+00	2.78E-03	4.84E-04
3308	500500.5	3732065	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3309	500491.4	3732061	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3310	500482.3	3732057	2.75E-03	0.00E+00	2.75E-03	4.80E-04
3311	500473.1	3732054	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3312	500464	3732050	2.73E-03	0.00E+00	2.73E-03	4.76E-04
3313	500454.9	3732046	2.72E-03	0.00E+00	2.72E-03	4.74E-04
3314	500445.8	3732042	2.71E-03	0.00E+00	2.71E-03	4.72E-04
3315	500436.6	3732038	2.69E-03	0.00E+00	2.69E-03	4.70E-04
3316	500427.5	3732035	2.68E-03	0.00E+00	2.68E-03	4.67E-04
3317	500418.4	3732031	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3318	500409.2	3732027	2.65E-03	0.00E+00	2.65E-03	4.61E-04
3319	500400.1	3732023	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3320	500391	3732019	2.61E-03	0.00E+00	2.61E-03	4.55E-04
3321	500381.9	3732016	2.60E-03	0.00E+00	2.60E-03	4.52E-04
3322	500372.7	3732012	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3323	500363.6	3732008	2.56E-03	0.00E+00	2.56E-03	4.45E-04
3324	500354.5	3732004	2.54E-03	0.00E+00	2.54E-03	4.42E-04
3325	500345.4	3732000	2.51E-03	0.00E+00	2.51E-03	4.38E-04
3326	500336.2	3731997	2.49E-03	0.00E+00	2.49E-03	4.34E-04
3327	500327.1	3731993	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3328	500318	3731989	2.45E-03	0.00E+00	2.45E-03	4.26E-04
3329	500308.9	3731985	2.42E-03	0.00E+00	2.42E-03	4.22E-04
3330	500299.7	3731981	2.40E-03	0.00E+00	2.40E-03	4.18E-04

3331	500622	3732080	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3332	500629.3	3732087	2.68E-03	0.00E+00	2.68E-03	4.67E-04
3333	500636.7	3732093	2.68E-03	0.00E+00	2.68E-03	4.67E-04
3334	500644	3732100	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3335	500651.4	3732106	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3336	500658.7	3732113	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3337	500666.1	3732119	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3338	500673.4	3732126	2.69E-03	0.00E+00	2.69E-03	4.69E-04
3339	500680.8	3732132	2.69E-03	0.00E+00	2.69E-03	4.68E-04
3340	500739.6	3732185	2.64E-03	0.00E+00	2.64E-03	4.59E-04
3341	500747	3732191	2.63E-03	0.00E+00	2.63E-03	4.58E-04
3342	500754.3	3732198	2.61E-03	0.00E+00	2.61E-03	4.55E-04
3343	500761.7	3732204	2.60E-03	0.00E+00	2.60E-03	4.53E-04
3344	500769	3732211	2.59E-03	0.00E+00	2.59E-03	4.51E-04
3345	500776.4	3732217	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3346	500783.7	3732224	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3347	500791.1	3732230	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3348	500820.5	3732257	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3349	500827.9	3732263	2.45E-03	0.00E+00	2.45E-03	4.27E-04
3350	500835.2	3732270	2.43E-03	0.00E+00	2.43E-03	4.23E-04
3351	500842.6	3732276	2.41E-03	0.00E+00	2.41E-03	4.19E-04
3352	500849.9	3732283	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3353	500857.3	3732289	2.36E-03	0.00E+00	2.36E-03	4.11E-04
3354	500864.6	3732296	2.34E-03	0.00E+00	2.34E-03	4.07E-04
3355	500872	3732302	2.31E-03	0.00E+00	2.31E-03	4.03E-04
3356	500879.3	3732309	2.29E-03	0.00E+00	2.29E-03	3.99E-04
3357	500886.7	3732315	2.26E-03	0.00E+00	2.26E-03	3.95E-04
3358	500894	3732322	2.25E-03	0.00E+00	2.25E-03	3.91E-04
3359	500901.4	3732328	2.22E-03	0.00E+00	2.22E-03	3.86E-04
3360	500908.7	3732335	2.19E-03	0.00E+00	2.19E-03	3.82E-04
3361	500916.1	3732341	2.16E-03	0.00E+00	2.16E-03	3.77E-04
3362	500923.4	3732348	2.13E-03	0.00E+00	2.13E-03	3.71E-04
3363	500930.8	3732355	2.10E-03	0.00E+00	2.10E-03	3.66E-04
3364	500938.2	3732361	2.07E-03	0.00E+00	2.07E-03	3.61E-04
3365	500945.5	3732368	2.05E-03	0.00E+00	2.05E-03	3.56E-04
3366	500952.9	3732374	2.02E-03	0.00E+00	2.02E-03	3.51E-04
3367	500960.2	3732381	1.99E-03	0.00E+00	1.99E-03	3.46E-04
3368	500967.6	3732387	1.96E-03	0.00E+00	1.96E-03	3.41E-04
3369	500974.9	3732394	1.93E-03	0.00E+00	1.93E-03	3.36E-04
3370	500982.3	3732400	1.90E-03	0.00E+00	1.90E-03	3.31E-04
3371	500989.6	3732407	1.87E-03	0.00E+00	1.87E-03	3.26E-04
3372	500997	3732413	1.84E-03	0.00E+00	1.84E-03	3.21E-04
3373	501004.3	3732420	1.81E-03	0.00E+00	1.81E-03	3.16E-04
3374	501011.7	3732426	1.78E-03	0.00E+00	1.78E-03	3.11E-04
3375	501019	3732433	1.76E-03	0.00E+00	1.76E-03	3.06E-04
3376	501026.4	3732440	1.73E-03	0.00E+00	1.73E-03	3.01E-04
3377	501033.7	3732446	1.70E-03	0.00E+00	1.70E-03	2.96E-04

3378	501041.1	3732453	1.67E-03	0.00E+00	1.67E-03	2.91E-04
3379	501048.5	3732459	1.64E-03	0.00E+00	1.64E-03	2.86E-04
3380	501055.8	3732466	1.61E-03	0.00E+00	1.61E-03	2.81E-04
3381	501063.2	3732472	1.59E-03	0.00E+00	1.59E-03	2.76E-04
3382	501070.5	3732479	1.56E-03	0.00E+00	1.56E-03	2.72E-04
3383	501077.9	3732485	1.53E-03	0.00E+00	1.53E-03	2.67E-04
3384	501085.2	3732492	1.51E-03	0.00E+00	1.51E-03	2.62E-04
3385	501092.6	3732498	1.48E-03	0.00E+00	1.48E-03	2.58E-04
3386	501099.9	3732505	1.46E-03	0.00E+00	1.46E-03	2.54E-04
3387	501107.3	3732511	1.43E-03	0.00E+00	1.43E-03	2.49E-04
3388	501114.6	3732518	1.41E-03	0.00E+00	1.41E-03	2.45E-04
3389	501122	3732524	1.38E-03	0.00E+00	1.38E-03	2.41E-04
3390	501129.3	3732531	1.36E-03	0.00E+00	1.36E-03	2.37E-04
3391	501136.7	3732538	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3392	501144.1	3732544	1.31E-03	0.00E+00	1.31E-03	2.28E-04
3393	501151.4	3732551	1.29E-03	0.00E+00	1.29E-03	2.24E-04
3394	501164	3732586	1.23E-03	0.00E+00	1.23E-03	2.14E-04
3395	501165.8	3732596	1.22E-03	0.00E+00	1.22E-03	2.12E-04
3396	501167.5	3732606	1.21E-03	0.00E+00	1.21E-03	2.11E-04
3397	501169.3	3732615	1.20E-03	0.00E+00	1.20E-03	2.09E-04
3398	501171	3732625	1.19E-03	0.00E+00	1.19E-03	2.07E-04
3399	501172.8	3732635	1.18E-03	0.00E+00	1.18E-03	2.05E-04
3400	501174.5	3732644	1.17E-03	0.00E+00	1.17E-03	2.03E-04
3401	501176.3	3732654	1.16E-03	0.00E+00	1.16E-03	2.01E-04
3402	501178	3732664	1.14E-03	0.00E+00	1.14E-03	1.99E-04
3403	501179.8	3732673	1.13E-03	0.00E+00	1.13E-03	1.98E-04
3404	501181.5	3732683	1.12E-03	0.00E+00	1.12E-03	1.96E-04
3405	501183.3	3732693	1.11E-03	0.00E+00	1.11E-03	1.94E-04
3406	501185	3732702	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3407	501186.8	3732712	1.09E-03	0.00E+00	1.09E-03	1.90E-04
3408	501188.5	3732722	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3409	501190.3	3732731	1.07E-03	0.00E+00	1.07E-03	1.87E-04
3410	501192	3732741	1.06E-03	0.00E+00	1.06E-03	1.85E-04
3411	501193.8	3732751	1.05E-03	0.00E+00	1.05E-03	1.83E-04
3412	501195.5	3732760	1.04E-03	0.00E+00	1.04E-03	1.82E-04
3413	501197.3	3732770	1.03E-03	0.00E+00	1.03E-03	1.80E-04
3414	501199	3732780	1.02E-03	0.00E+00	1.02E-03	1.78E-04
3415	501200.8	3732789	1.01E-03	0.00E+00	1.01E-03	1.77E-04
3416	501202.5	3732799	1.01E-03	0.00E+00	1.01E-03	1.75E-04
3417	501204.3	3732809	9.96E-04	0.00E+00	9.96E-04	1.74E-04
3418	501206	3732818	9.87E-04	0.00E+00	9.87E-04	1.72E-04
3419	501207.8	3732828	9.78E-04	0.00E+00	9.78E-04	1.70E-04
3420	501276	3733206	7.17E-04	0.00E+00	7.17E-04	1.25E-04
3421	501277.7	3733215	7.12E-04	0.00E+00	7.12E-04	1.24E-04
3422	501279.5	3733225	7.08E-04	0.00E+00	7.08E-04	1.23E-04
3423	501281.2	3733235	7.03E-04	0.00E+00	7.03E-04	1.23E-04
3424	501283	3733244	6.99E-04	0.00E+00	6.99E-04	1.22E-04

3425	501284.7	3733254	6.94E-04	0.00E+00	6.94E-04	1.21E-04
3426	501286.5	3733264	6.90E-04	0.00E+00	6.90E-04	1.20E-04
3427	500614.6	3732074	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3428	500605.5	3732070	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3429	500596.3	3732066	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3430	500587.2	3732062	2.68E-03	0.00E+00	2.68E-03	4.66E-04
3431	500578.1	3732058	2.68E-03	0.00E+00	2.68E-03	4.66E-04
3432	500569	3732055	2.68E-03	0.00E+00	2.68E-03	4.66E-04
3433	500559.8	3732051	2.67E-03	0.00E+00	2.67E-03	4.66E-04
3434	500550.7	3732047	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3435	500541.6	3732043	2.67E-03	0.00E+00	2.67E-03	4.65E-04
3436	500532.5	3732039	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3437	500523.3	3732036	2.66E-03	0.00E+00	2.66E-03	4.63E-04
3438	500514.2	3732032	2.65E-03	0.00E+00	2.65E-03	4.62E-04
3439	500505.1	3732028	2.64E-03	0.00E+00	2.64E-03	4.61E-04
3440	500496	3732024	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3441	500486.8	3732021	2.63E-03	0.00E+00	2.63E-03	4.57E-04
3442	500477.7	3732017	2.62E-03	0.00E+00	2.62E-03	4.56E-04
3443	500468.6	3732013	2.60E-03	0.00E+00	2.60E-03	4.54E-04
3444	500459.5	3732009	2.59E-03	0.00E+00	2.59E-03	4.52E-04
3445	500450.3	3732005	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3446	500441.2	3732002	2.57E-03	0.00E+00	2.57E-03	4.47E-04
3447	500432.1	3731998	2.55E-03	0.00E+00	2.55E-03	4.45E-04
3448	500422.9	3731994	2.54E-03	0.00E+00	2.54E-03	4.42E-04
3449	500413.8	3731990	2.52E-03	0.00E+00	2.52E-03	4.39E-04
3450	500404.7	3731986	2.51E-03	0.00E+00	2.51E-03	4.36E-04
3451	500395.6	3731983	2.49E-03	0.00E+00	2.49E-03	4.34E-04
3452	500386.4	3731979	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3453	500377.3	3731975	2.45E-03	0.00E+00	2.45E-03	4.27E-04
3454	500368.2	3731971	2.43E-03	0.00E+00	2.43E-03	4.24E-04
3455	500359.1	3731967	2.41E-03	0.00E+00	2.41E-03	4.20E-04
3456	500349.9	3731964	2.39E-03	0.00E+00	2.39E-03	4.17E-04
3457	500340.8	3731960	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3458	500331.7	3731956	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3459	500322.6	3731952	2.33E-03	0.00E+00	2.33E-03	4.06E-04
3460	500313.4	3731948	2.31E-03	0.00E+00	2.31E-03	4.02E-04
3461	500304.3	3731945	2.29E-03	0.00E+00	2.29E-03	3.98E-04
3462	500295.2	3731941	2.26E-03	0.00E+00	2.26E-03	3.94E-04
3463	500286.1	3731937	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3464	500635.6	3732047	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3465	500642.9	3732054	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3466	500650.2	3732060	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3467	500657.5	3732067	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3468	500664.8	3732073	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3469	500672.1	3732079	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3470	500679.4	3732086	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3471	500686.6	3732092	2.58E-03	0.00E+00	2.58E-03	4.50E-04

3472	500693.9	3732099	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3473	500701.2	3732105	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3474	500708.5	3732112	2.57E-03	0.00E+00	2.57E-03	4.49E-04
3475	500715.8	3732118	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3476	500723.1	3732125	2.57E-03	0.00E+00	2.57E-03	4.47E-04
3477	500730.4	3732131	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3478	500788.8	3732183	2.48E-03	0.00E+00	2.48E-03	4.32E-04
3479	500796.1	3732190	2.47E-03	0.00E+00	2.47E-03	4.30E-04
3480	500803.3	3732196	2.45E-03	0.00E+00	2.45E-03	4.28E-04
3481	500810.6	3732203	2.44E-03	0.00E+00	2.44E-03	4.25E-04
3482	500817.9	3732209	2.42E-03	0.00E+00	2.42E-03	4.22E-04
3483	500825.2	3732216	2.41E-03	0.00E+00	2.41E-03	4.19E-04
3484	500832.5	3732222	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3485	500839.8	3732229	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3486	500847.1	3732235	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3487	500854.4	3732242	2.33E-03	0.00E+00	2.33E-03	4.06E-04
3488	500861.7	3732248	2.31E-03	0.00E+00	2.31E-03	4.03E-04
3489	500869	3732254	2.29E-03	0.00E+00	2.29E-03	3.99E-04
3490	500876.3	3732261	2.27E-03	0.00E+00	2.27E-03	3.96E-04
3491	500883.6	3732267	2.25E-03	0.00E+00	2.25E-03	3.92E-04
3492	500890.9	3732274	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3493	500898.2	3732280	2.22E-03	0.00E+00	2.22E-03	3.86E-04
3494	500905.5	3732287	2.19E-03	0.00E+00	2.19E-03	3.82E-04
3495	500912.7	3732293	2.17E-03	0.00E+00	2.17E-03	3.77E-04
3496	500920	3732300	2.14E-03	0.00E+00	2.14E-03	3.73E-04
3497	500927.3	3732306	2.11E-03	0.00E+00	2.11E-03	3.68E-04
3498	500934.6	3732313	2.09E-03	0.00E+00	2.09E-03	3.64E-04
3499	500941.9	3732319	2.06E-03	0.00E+00	2.06E-03	3.59E-04
3500	500949.2	3732326	2.03E-03	0.00E+00	2.03E-03	3.54E-04
3501	500956.5	3732332	2.01E-03	0.00E+00	2.01E-03	3.50E-04
3502	500963.8	3732339	1.98E-03	0.00E+00	1.98E-03	3.45E-04
3503	500971.1	3732345	1.95E-03	0.00E+00	1.95E-03	3.40E-04
3504	500978.4	3732352	1.93E-03	0.00E+00	1.93E-03	3.36E-04
3505	500985.7	3732358	1.90E-03	0.00E+00	1.90E-03	3.31E-04
3506	500993	3732365	1.87E-03	0.00E+00	1.87E-03	3.26E-04
3507	501000.3	3732371	1.84E-03	0.00E+00	1.84E-03	3.21E-04
3508	501007.6	3732378	1.82E-03	0.00E+00	1.82E-03	3.17E-04
3509	501014.9	3732384	1.79E-03	0.00E+00	1.79E-03	3.12E-04
3510	501022.2	3732391	1.76E-03	0.00E+00	1.76E-03	3.07E-04
3511	501029.4	3732397	1.74E-03	0.00E+00	1.74E-03	3.03E-04
3512	501036.7	3732404	1.71E-03	0.00E+00	1.71E-03	2.98E-04
3513	501044	3732410	1.68E-03	0.00E+00	1.68E-03	2.93E-04
3514	501051.3	3732416	1.66E-03	0.00E+00	1.66E-03	2.89E-04
3515	501058.6	3732423	1.63E-03	0.00E+00	1.63E-03	2.84E-04
3516	501065.9	3732429	1.60E-03	0.00E+00	1.60E-03	2.79E-04
3517	501073.2	3732436	1.58E-03	0.00E+00	1.58E-03	2.75E-04
3518	501080.5	3732442	1.55E-03	0.00E+00	1.55E-03	2.70E-04

3519	501087.8	3732449	1.53E-03	0.00E+00	1.53E-03	2.66E-04
3520	501095.1	3732455	1.50E-03	0.00E+00	1.50E-03	2.61E-04
3521	501102.4	3732462	1.48E-03	0.00E+00	1.48E-03	2.57E-04
3522	501109.7	3732468	1.45E-03	0.00E+00	1.45E-03	2.53E-04
3523	501117	3732475	1.43E-03	0.00E+00	1.43E-03	2.49E-04
3524	501124.3	3732481	1.40E-03	0.00E+00	1.40E-03	2.45E-04
3525	501131.6	3732488	1.38E-03	0.00E+00	1.38E-03	2.41E-04
3526	501138.8	3732494	1.36E-03	0.00E+00	1.36E-03	2.36E-04
3527	501146.1	3732501	1.33E-03	0.00E+00	1.33E-03	2.32E-04
3528	501153.4	3732507	1.31E-03	0.00E+00	1.31E-03	2.28E-04
3529	501160.7	3732514	1.29E-03	0.00E+00	1.29E-03	2.24E-04
3530	501168	3732520	1.26E-03	0.00E+00	1.26E-03	2.20E-04
3531	501175.3	3732527	1.24E-03	0.00E+00	1.24E-03	2.17E-04
3532	501182.6	3732533	1.22E-03	0.00E+00	1.22E-03	2.13E-04
3533	501191.6	3732549	1.19E-03	0.00E+00	1.19E-03	2.08E-04
3534	501193.4	3732559	1.18E-03	0.00E+00	1.18E-03	2.06E-04
3535	501195.1	3732568	1.17E-03	0.00E+00	1.17E-03	2.04E-04
3536	501198.6	3732588	1.15E-03	0.00E+00	1.15E-03	2.01E-04
3537	501200.3	3732597	1.14E-03	0.00E+00	1.14E-03	1.99E-04
3538	501202	3732607	1.13E-03	0.00E+00	1.13E-03	1.97E-04
3539	501203.8	3732616	1.12E-03	0.00E+00	1.12E-03	1.96E-04
3540	501205.5	3732626	1.11E-03	0.00E+00	1.11E-03	1.94E-04
3541	501207.3	3732636	1.10E-03	0.00E+00	1.10E-03	1.92E-04
3542	501209	3732645	1.09E-03	0.00E+00	1.09E-03	1.91E-04
3543	501210.7	3732655	1.08E-03	0.00E+00	1.08E-03	1.89E-04
3544	501212.5	3732664	1.07E-03	0.00E+00	1.07E-03	1.87E-04
3545	501214.2	3732674	1.06E-03	0.00E+00	1.06E-03	1.86E-04
3546	501215.9	3732684	1.06E-03	0.00E+00	1.06E-03	1.84E-04
3547	501217.7	3732693	1.05E-03	0.00E+00	1.05E-03	1.82E-04
3548	501219.4	3732703	1.04E-03	0.00E+00	1.04E-03	1.81E-04
3549	501221.1	3732712	1.03E-03	0.00E+00	1.03E-03	1.79E-04
3550	501222.9	3732722	1.02E-03	0.00E+00	1.02E-03	1.77E-04
3551	501224.6	3732732	1.01E-03	0.00E+00	1.01E-03	1.76E-04
3552	501226.3	3732741	1.00E-03	0.00E+00	1.00E-03	1.74E-04
3553	501228.1	3732751	9.91E-04	0.00E+00	9.91E-04	1.73E-04
3554	501229.8	3732760	9.82E-04	0.00E+00	9.82E-04	1.71E-04
3555	501231.6	3732770	9.73E-04	0.00E+00	9.73E-04	1.70E-04
3556	501233.3	3732780	9.65E-04	0.00E+00	9.65E-04	1.68E-04
3557	501235	3732789	9.56E-04	0.00E+00	9.56E-04	1.67E-04
3558	501236.8	3732799	9.48E-04	0.00E+00	9.48E-04	1.65E-04
3559	501238.5	3732808	9.40E-04	0.00E+00	9.40E-04	1.64E-04
3560	501240.2	3732818	9.31E-04	0.00E+00	9.31E-04	1.62E-04
3561	501311.4	3733212	6.78E-04	0.00E+00	6.78E-04	1.18E-04
3562	501313.1	3733221	6.74E-04	0.00E+00	6.74E-04	1.17E-04
3563	501314.9	3733231	6.70E-04	0.00E+00	6.70E-04	1.17E-04
3564	501316.6	3733241	6.66E-04	0.00E+00	6.66E-04	1.16E-04
3565	501318.3	3733250	6.62E-04	0.00E+00	6.62E-04	1.15E-04

3566	501320.1	3733260	6.58E-04	0.00E+00	6.58E-04	1.15E-04
3567	501321.8	3733269	6.54E-04	0.00E+00	6.54E-04	1.14E-04
3568	500628.3	3732041	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3569	500619.2	3732037	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3570	500610	3732033	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3571	500600.9	3732029	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3572	500591.8	3732025	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3573	500582.7	3732022	2.56E-03	0.00E+00	2.56E-03	4.47E-04
3574	500573.5	3732018	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3575	500564.4	3732014	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3576	500555.3	3732010	2.56E-03	0.00E+00	2.56E-03	4.45E-04
3577	500546.2	3732006	2.55E-03	0.00E+00	2.55E-03	4.45E-04
3578	500537	3732003	2.55E-03	0.00E+00	2.55E-03	4.44E-04
3579	500527.9	3731999	2.54E-03	0.00E+00	2.54E-03	4.42E-04
3580	500518.8	3731995	2.53E-03	0.00E+00	2.53E-03	4.41E-04
3581	500509.7	3731991	2.52E-03	0.00E+00	2.52E-03	4.40E-04
3582	500500.5	3731988	2.52E-03	0.00E+00	2.52E-03	4.38E-04
3583	500491.4	3731984	2.51E-03	0.00E+00	2.51E-03	4.37E-04
3584	500482.3	3731980	2.50E-03	0.00E+00	2.50E-03	4.35E-04
3585	500473.2	3731976	2.48E-03	0.00E+00	2.48E-03	4.33E-04
3586	500464	3731972	2.47E-03	0.00E+00	2.47E-03	4.31E-04
3587	500454.9	3731969	2.46E-03	0.00E+00	2.46E-03	4.29E-04
3588	500445.8	3731965	2.45E-03	0.00E+00	2.45E-03	4.26E-04
3589	500436.7	3731961	2.43E-03	0.00E+00	2.43E-03	4.24E-04
3590	500427.5	3731957	2.42E-03	0.00E+00	2.42E-03	4.22E-04
3591	500418.4	3731953	2.40E-03	0.00E+00	2.40E-03	4.19E-04
3592	500409.3	3731950	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3593	500400.1	3731946	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3594	500391	3731942	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3595	500381.9	3731938	2.34E-03	0.00E+00	2.34E-03	4.07E-04
3596	500372.8	3731934	2.32E-03	0.00E+00	2.32E-03	4.04E-04
3597	500363.6	3731931	2.30E-03	0.00E+00	2.30E-03	4.01E-04
3598	500354.5	3731927	2.28E-03	0.00E+00	2.28E-03	3.97E-04
3599	500345.4	3731923	2.26E-03	0.00E+00	2.26E-03	3.94E-04
3600	500336.3	3731919	2.24E-03	0.00E+00	2.24E-03	3.90E-04
3601	500327.1	3731916	2.22E-03	0.00E+00	2.22E-03	3.87E-04
3602	500318	3731912	2.20E-03	0.00E+00	2.20E-03	3.83E-04
3603	500308.9	3731908	2.18E-03	0.00E+00	2.18E-03	3.80E-04
3604	500299.8	3731904	2.16E-03	0.00E+00	2.16E-03	3.76E-04
3605	500290.6	3731900	2.14E-03	0.00E+00	2.14E-03	3.72E-04
3606	499844.3	3732910	1.17E-02	0.00E+00	1.17E-02	2.05E-03
3607	499853.7	3732909	1.25E-02	0.00E+00	1.25E-02	2.18E-03
3608	499863.1	3732908	1.34E-02	0.00E+00	1.34E-02	2.33E-03
3609	499814.5	3732895	8.86E-03	0.00E+00	8.86E-03	1.54E-03
3610	499823.9	3732894	9.37E-03	0.00E+00	9.37E-03	1.63E-03
3611	499833.3	3732893	9.93E-03	0.00E+00	9.93E-03	1.73E-03
3612	499842.6	3732892	1.05E-02	0.00E+00	1.05E-02	1.83E-03

3613	499852	3732891	1.12E-02	0.00E+00	1.12E-02	1.94E-03
3614	499861.4	3732890	1.18E-02	0.00E+00	1.18E-02	2.06E-03
3615	499870.8	3732889	1.25E-02	0.00E+00	1.25E-02	2.18E-03
3616	499803.4	3732878	7.76E-03	0.00E+00	7.76E-03	1.35E-03
3617	499812.8	3732877	8.16E-03	0.00E+00	8.16E-03	1.42E-03
3618	499822.2	3732876	8.59E-03	0.00E+00	8.59E-03	1.50E-03
3619	499831.6	3732875	9.06E-03	0.00E+00	9.06E-03	1.58E-03
3620	499840.9	3732875	9.55E-03	0.00E+00	9.55E-03	1.66E-03
3621	499850.3	3732874	1.01E-02	0.00E+00	1.01E-02	1.75E-03
3622	499859.7	3732873	1.06E-02	0.00E+00	1.06E-02	1.85E-03
3623	499869.1	3732872	1.12E-02	0.00E+00	1.12E-02	1.94E-03
3624	499878.4	3732871	1.17E-02	0.00E+00	1.17E-02	2.04E-03
3625	499774	3732879	6.65E-03	0.00E+00	6.65E-03	1.16E-03
3626	499778.5	3732871	6.62E-03	0.00E+00	6.62E-03	1.15E-03
3627	499792.3	3732862	6.90E-03	0.00E+00	6.90E-03	1.20E-03
3628	499801.7	3732861	7.22E-03	0.00E+00	7.22E-03	1.26E-03
3629	499811.1	3732860	7.56E-03	0.00E+00	7.56E-03	1.32E-03
3630	499820.5	3732859	7.93E-03	0.00E+00	7.93E-03	1.38E-03
3631	499829.8	3732858	8.32E-03	0.00E+00	8.32E-03	1.45E-03
3632	499839.2	3732857	8.73E-03	0.00E+00	8.73E-03	1.52E-03
3633	499848.6	3732856	9.17E-03	0.00E+00	9.17E-03	1.60E-03
3634	499858	3732855	9.62E-03	0.00E+00	9.62E-03	1.68E-03
3635	499867.4	3732854	1.01E-02	0.00E+00	1.01E-02	1.76E-03
3636	499876.7	3732853	1.06E-02	0.00E+00	1.06E-02	1.84E-03
3637	499886.1	3732852	1.10E-02	0.00E+00	1.10E-02	1.92E-03
3638	499758.5	3732871	6.00E-03	0.00E+00	6.00E-03	1.05E-03
3639	499763	3732862	5.99E-03	0.00E+00	5.99E-03	1.04E-03
3640	499767.4	3732854	5.97E-03	0.00E+00	5.97E-03	1.04E-03
3641	499781.2	3732845	6.19E-03	0.00E+00	6.19E-03	1.08E-03
3642	499790.6	3732844	6.46E-03	0.00E+00	6.46E-03	1.13E-03
3643	499800	3732843	6.74E-03	0.00E+00	6.74E-03	1.17E-03
3644	499809.4	3732842	7.04E-03	0.00E+00	7.04E-03	1.23E-03
3645	499818.8	3732841	7.36E-03	0.00E+00	7.36E-03	1.28E-03
3646	499828.1	3732840	7.69E-03	0.00E+00	7.69E-03	1.34E-03
3647	499837.5	3732839	8.04E-03	0.00E+00	8.04E-03	1.40E-03
3648	499846.9	3732839	8.41E-03	0.00E+00	8.41E-03	1.47E-03
3649	499856.3	3732838	8.80E-03	0.00E+00	8.80E-03	1.53E-03
3650	499865.7	3732837	9.19E-03	0.00E+00	9.19E-03	1.60E-03
3651	499875	3732836	9.59E-03	0.00E+00	9.59E-03	1.67E-03
3652	499884.4	3732835	1.00E-02	0.00E+00	1.00E-02	1.74E-03
3653	499893.8	3732834	1.04E-02	0.00E+00	1.04E-02	1.81E-03
3654	499743	3732862	5.46E-03	0.00E+00	5.46E-03	9.52E-04
3655	499747.4	3732854	5.45E-03	0.00E+00	5.45E-03	9.50E-04
3656	499751.9	3732846	5.43E-03	0.00E+00	5.43E-03	9.47E-04
3657	499756.3	3732837	5.42E-03	0.00E+00	5.42E-03	9.44E-04
3658	499770.2	3732828	5.61E-03	0.00E+00	5.61E-03	9.77E-04
3659	499779.5	3732827	5.83E-03	0.00E+00	5.83E-03	1.02E-03

3660	499788.9	3732826	6.06E-03	0.00E+00	6.06E-03	1.06E-03
3661	499798.3	3732826	6.31E-03	0.00E+00	6.31E-03	1.10E-03
3662	499807.7	3732825	6.58E-03	0.00E+00	6.58E-03	1.15E-03
3663	499817.1	3732824	6.85E-03	0.00E+00	6.85E-03	1.19E-03
3664	499826.4	3732823	7.15E-03	0.00E+00	7.15E-03	1.25E-03
3665	499835.8	3732822	7.45E-03	0.00E+00	7.45E-03	1.30E-03
3666	499845.2	3732821	7.77E-03	0.00E+00	7.77E-03	1.35E-03
3667	499854.6	3732820	8.10E-03	0.00E+00	8.10E-03	1.41E-03
3668	499864	3732819	8.44E-03	0.00E+00	8.44E-03	1.47E-03
3669	499873.3	3732818	8.79E-03	0.00E+00	8.79E-03	1.53E-03
3670	499882.7	3732817	9.14E-03	0.00E+00	9.14E-03	1.59E-03
3671	499892.1	3732816	9.49E-03	0.00E+00	9.49E-03	1.65E-03
3672	499901.5	3732816	9.84E-03	0.00E+00	9.84E-03	1.72E-03
3673	499727.4	3732854	5.00E-03	0.00E+00	5.00E-03	8.72E-04
3674	499731.9	3732846	4.99E-03	0.00E+00	4.99E-03	8.70E-04
3675	499736.3	3732837	4.98E-03	0.00E+00	4.98E-03	8.68E-04
3676	499740.8	3732829	4.97E-03	0.00E+00	4.97E-03	8.66E-04
3677	499745.2	3732821	4.95E-03	0.00E+00	4.95E-03	8.63E-04
3678	499759.1	3732812	5.12E-03	0.00E+00	5.12E-03	8.91E-04
3679	499768.5	3732811	5.30E-03	0.00E+00	5.30E-03	9.24E-04
3680	499777.8	3732810	5.50E-03	0.00E+00	5.50E-03	9.59E-04
3681	499787.2	3732809	5.71E-03	0.00E+00	5.71E-03	9.95E-04
3682	499796.6	3732808	5.93E-03	0.00E+00	5.93E-03	1.03E-03
3683	499806	3732807	6.17E-03	0.00E+00	6.17E-03	1.07E-03
3684	499815.3	3732806	6.41E-03	0.00E+00	6.41E-03	1.12E-03
3685	499824.7	3732805	6.67E-03	0.00E+00	6.67E-03	1.16E-03
3686	499834.1	3732804	6.94E-03	0.00E+00	6.94E-03	1.21E-03
3687	499843.5	3732803	7.22E-03	0.00E+00	7.22E-03	1.26E-03
3688	499852.9	3732803	7.50E-03	0.00E+00	7.50E-03	1.31E-03
3689	499862.2	3732802	7.80E-03	0.00E+00	7.80E-03	1.36E-03
3690	499871.6	3732801	8.10E-03	0.00E+00	8.10E-03	1.41E-03
3691	499881	3732800	8.41E-03	0.00E+00	8.41E-03	1.47E-03
3692	499890.4	3732799	8.72E-03	0.00E+00	8.72E-03	1.52E-03
3693	499899.8	3732798	9.03E-03	0.00E+00	9.03E-03	1.57E-03
3694	499909.1	3732797	9.34E-03	0.00E+00	9.34E-03	1.63E-03
3695	499710.5	3732848	4.61E-03	0.00E+00	4.61E-03	8.03E-04
3696	499715.2	3732840	4.60E-03	0.00E+00	4.60E-03	8.02E-04
3697	499719.8	3732831	4.59E-03	0.00E+00	4.59E-03	8.00E-04
3698	499724.5	3732822	4.58E-03	0.00E+00	4.58E-03	7.98E-04
3699	499729.2	3732813	4.57E-03	0.00E+00	4.57E-03	7.96E-04
3700	499733.9	3732805	4.55E-03	0.00E+00	4.55E-03	7.94E-04
3701	499748.5	3732795	4.70E-03	0.00E+00	4.70E-03	8.19E-04
3702	499758.4	3732794	4.87E-03	0.00E+00	4.87E-03	8.49E-04
3703	499768.2	3732793	5.05E-03	0.00E+00	5.05E-03	8.80E-04
3704	499778.1	3732792	5.24E-03	0.00E+00	5.24E-03	9.14E-04
3705	499788	3732791	5.45E-03	0.00E+00	5.45E-03	9.49E-04
3706	499797.8	3732790	5.66E-03	0.00E+00	5.66E-03	9.86E-04

3707	499807.7	3732789	5.88E-03	0.00E+00	5.88E-03	1.02E-03
3708	499817.6	3732788	6.11E-03	0.00E+00	6.11E-03	1.07E-03
3709	499827.5	3732787	6.36E-03	0.00E+00	6.36E-03	1.11E-03
3710	499837.3	3732786	6.61E-03	0.00E+00	6.61E-03	1.15E-03
3711	499847.2	3732785	6.88E-03	0.00E+00	6.88E-03	1.20E-03
3712	499857.1	3732784	7.15E-03	0.00E+00	7.15E-03	1.25E-03
3713	499867	3732783	7.43E-03	0.00E+00	7.43E-03	1.29E-03
3714	499876.8	3732782	7.71E-03	0.00E+00	7.71E-03	1.34E-03
3715	499886.7	3732781	8.00E-03	0.00E+00	8.00E-03	1.39E-03
3716	499896.6	3732781	8.29E-03	0.00E+00	8.29E-03	1.44E-03
3717	499906.4	3732780	8.58E-03	0.00E+00	8.58E-03	1.49E-03
3718	499916.3	3732779	8.87E-03	0.00E+00	8.87E-03	1.54E-03
3719	499689.4	3732832	4.11E-03	0.00E+00	4.11E-03	7.15E-04
3720	499694	3732823	4.10E-03	0.00E+00	4.10E-03	7.14E-04
3721	499698.7	3732814	4.09E-03	0.00E+00	4.09E-03	7.13E-04
3722	499703.3	3732806	4.08E-03	0.00E+00	4.08E-03	7.11E-04
3723	499708	3732797	4.07E-03	0.00E+00	4.07E-03	7.10E-04
3724	499712.7	3732788	4.06E-03	0.00E+00	4.06E-03	7.08E-04
3725	499717.3	3732780	4.05E-03	0.00E+00	4.05E-03	7.06E-04
3726	499731.8	3732770	4.17E-03	0.00E+00	4.17E-03	7.27E-04
3727	499741.6	3732769	4.31E-03	0.00E+00	4.31E-03	7.51E-04
3728	499751.4	3732768	4.45E-03	0.00E+00	4.45E-03	7.76E-04
3729	499761.2	3732767	4.61E-03	0.00E+00	4.61E-03	8.02E-04
3730	499771	3732766	4.77E-03	0.00E+00	4.77E-03	8.30E-04
3731	499780.8	3732765	4.93E-03	0.00E+00	4.93E-03	8.60E-04
3732	499790.6	3732764	5.11E-03	0.00E+00	5.11E-03	8.90E-04
3733	499800.4	3732763	5.29E-03	0.00E+00	5.29E-03	9.22E-04
3734	499810.2	3732762	5.49E-03	0.00E+00	5.49E-03	9.56E-04
3735	499820	3732761	5.69E-03	0.00E+00	5.69E-03	9.91E-04
3736	499829.8	3732760	5.90E-03	0.00E+00	5.90E-03	1.03E-03
3737	499839.6	3732759	6.12E-03	0.00E+00	6.12E-03	1.07E-03
3738	499849.5	3732759	6.34E-03	0.00E+00	6.34E-03	1.10E-03
3739	499859.3	3732758	6.57E-03	0.00E+00	6.57E-03	1.14E-03
3740	499869.1	3732757	6.80E-03	0.00E+00	6.80E-03	1.19E-03
3741	499878.9	3732756	7.04E-03	0.00E+00	7.04E-03	1.23E-03
3742	499888.7	3732755	7.29E-03	0.00E+00	7.29E-03	1.27E-03
3743	499898.5	3732754	7.53E-03	0.00E+00	7.53E-03	1.31E-03
3744	499908.3	3732753	7.77E-03	0.00E+00	7.77E-03	1.35E-03
3745	499918.1	3732752	8.01E-03	0.00E+00	8.01E-03	1.40E-03
3746	499927.9	3732751	8.25E-03	0.00E+00	8.25E-03	1.44E-03
3747	499663.6	3732824	3.69E-03	0.00E+00	3.69E-03	6.44E-04
3748	499668.3	3732815	3.69E-03	0.00E+00	3.69E-03	6.43E-04
3749	499672.9	3732806	3.68E-03	0.00E+00	3.68E-03	6.42E-04
3750	499677.5	3732798	3.68E-03	0.00E+00	3.68E-03	6.41E-04
3751	499682.2	3732789	3.67E-03	0.00E+00	3.67E-03	6.40E-04
3752	499686.8	3732780	3.66E-03	0.00E+00	3.66E-03	6.38E-04
3753	499691.4	3732772	3.66E-03	0.00E+00	3.66E-03	6.37E-04

3754	499696.1	3732763	3.65E-03	0.00E+00	3.65E-03	6.35E-04
3755	499700.7	3732755	3.64E-03	0.00E+00	3.64E-03	6.34E-04
3756	499715.1	3732745	3.74E-03	0.00E+00	3.74E-03	6.51E-04
3757	499724.9	3732744	3.85E-03	0.00E+00	3.85E-03	6.71E-04
3758	499734.6	3732743	3.97E-03	0.00E+00	3.97E-03	6.91E-04
3759	499744.4	3732742	4.09E-03	0.00E+00	4.09E-03	7.13E-04
3760	499754.1	3732741	4.22E-03	0.00E+00	4.22E-03	7.36E-04
3761	499763.9	3732740	4.36E-03	0.00E+00	4.36E-03	7.59E-04
3762	499773.6	3732739	4.50E-03	0.00E+00	4.50E-03	7.84E-04
3763	499783.4	3732738	4.65E-03	0.00E+00	4.65E-03	8.10E-04
3764	499793.1	3732737	4.80E-03	0.00E+00	4.80E-03	8.37E-04
3765	499802.9	3732736	4.97E-03	0.00E+00	4.97E-03	8.65E-04
3766	499812.6	3732736	5.14E-03	0.00E+00	5.14E-03	8.95E-04
3767	499822.4	3732735	5.31E-03	0.00E+00	5.31E-03	9.25E-04
3768	499832.2	3732734	5.49E-03	0.00E+00	5.49E-03	9.57E-04
3769	499841.9	3732733	5.68E-03	0.00E+00	5.68E-03	9.90E-04
3770	499851.7	3732732	5.87E-03	0.00E+00	5.87E-03	1.02E-03
3771	499861.4	3732731	6.07E-03	0.00E+00	6.07E-03	1.06E-03
3772	499871.2	3732730	6.27E-03	0.00E+00	6.27E-03	1.09E-03
3773	499880.9	3732729	6.48E-03	0.00E+00	6.48E-03	1.13E-03
3774	499890.7	3732728	6.68E-03	0.00E+00	6.68E-03	1.16E-03
3775	499900.4	3732727	6.89E-03	0.00E+00	6.89E-03	1.20E-03
3776	499910.2	3732726	7.10E-03	0.00E+00	7.10E-03	1.24E-03
3777	499919.9	3732725	7.30E-03	0.00E+00	7.30E-03	1.27E-03
3778	499929.7	3732724	7.51E-03	0.00E+00	7.51E-03	1.31E-03
3779	499939.5	3732723	7.71E-03	0.00E+00	7.71E-03	1.34E-03
3780	499637.9	3732816	3.35E-03	0.00E+00	3.35E-03	5.83E-04
3781	499642.6	3732807	3.35E-03	0.00E+00	3.35E-03	5.83E-04
3782	499647.2	3732798	3.34E-03	0.00E+00	3.34E-03	5.82E-04
3783	499651.8	3732790	3.34E-03	0.00E+00	3.34E-03	5.81E-04
3784	499656.4	3732781	3.33E-03	0.00E+00	3.33E-03	5.81E-04
3785	499661	3732773	3.33E-03	0.00E+00	3.33E-03	5.80E-04
3786	499665.6	3732764	3.32E-03	0.00E+00	3.32E-03	5.78E-04
3787	499670.3	3732755	3.31E-03	0.00E+00	3.31E-03	5.77E-04
3788	499674.9	3732747	3.31E-03	0.00E+00	3.31E-03	5.76E-04
3789	499679.5	3732738	3.30E-03	0.00E+00	3.30E-03	5.75E-04
3790	499684.1	3732730	3.29E-03	0.00E+00	3.29E-03	5.73E-04
3791	499698.4	3732720	3.37E-03	0.00E+00	3.37E-03	5.88E-04
3792	499708.2	3732719	3.47E-03	0.00E+00	3.47E-03	6.04E-04
3793	499717.9	3732718	3.57E-03	0.00E+00	3.57E-03	6.21E-04
3794	499727.6	3732717	3.67E-03	0.00E+00	3.67E-03	6.39E-04
3795	499737.3	3732716	3.78E-03	0.00E+00	3.78E-03	6.58E-04
3796	499747	3732715	3.89E-03	0.00E+00	3.89E-03	6.78E-04
3797	499756.7	3732714	4.01E-03	0.00E+00	4.01E-03	6.98E-04
3798	499766.4	3732713	4.13E-03	0.00E+00	4.13E-03	7.19E-04
3799	499776.2	3732712	4.26E-03	0.00E+00	4.26E-03	7.42E-04
3800	499785.9	3732712	4.39E-03	0.00E+00	4.39E-03	7.65E-04

3801	499795.6	3732711	4.53E-03	0.00E+00	4.53E-03	7.89E-04
3802	499805.3	3732710	4.67E-03	0.00E+00	4.67E-03	8.14E-04
3803	499815	3732709	4.82E-03	0.00E+00	4.82E-03	8.40E-04
3804	499824.7	3732708	4.97E-03	0.00E+00	4.97E-03	8.67E-04
3805	499834.4	3732707	5.13E-03	0.00E+00	5.13E-03	8.94E-04
3806	499844.1	3732706	5.30E-03	0.00E+00	5.30E-03	9.23E-04
3807	499853.9	3732705	5.46E-03	0.00E+00	5.46E-03	9.52E-04
3808	499863.6	3732704	5.63E-03	0.00E+00	5.63E-03	9.82E-04
3809	499873.3	3732703	5.81E-03	0.00E+00	5.81E-03	1.01E-03
3810	499883	3732702	5.99E-03	0.00E+00	5.99E-03	1.04E-03
3811	499892.7	3732701	6.16E-03	0.00E+00	6.16E-03	1.07E-03
3812	499902.4	3732700	6.34E-03	0.00E+00	6.34E-03	1.11E-03
3813	499912.1	3732699	6.52E-03	0.00E+00	6.52E-03	1.14E-03
3814	499921.9	3732698	6.70E-03	0.00E+00	6.70E-03	1.17E-03
3815	499931.6	3732697	6.88E-03	0.00E+00	6.88E-03	1.20E-03
3816	499941.3	3732696	7.06E-03	0.00E+00	7.06E-03	1.23E-03
3817	499951	3732695	7.23E-03	0.00E+00	7.23E-03	1.26E-03
3818	499616.9	3732799	3.05E-03	0.00E+00	3.05E-03	5.32E-04
3819	499621.5	3732790	3.05E-03	0.00E+00	3.05E-03	5.31E-04
3820	499626.1	3732782	3.05E-03	0.00E+00	3.05E-03	5.31E-04
3821	499630.7	3732773	3.04E-03	0.00E+00	3.04E-03	5.30E-04
3822	499635.3	3732765	3.04E-03	0.00E+00	3.04E-03	5.29E-04
3823	499639.9	3732756	3.03E-03	0.00E+00	3.03E-03	5.28E-04
3824	499644.5	3732747	3.03E-03	0.00E+00	3.03E-03	5.27E-04
3825	499649.1	3732739	3.02E-03	0.00E+00	3.02E-03	5.26E-04
3826	499653.7	3732730	3.02E-03	0.00E+00	3.02E-03	5.25E-04
3827	499658.3	3732722	3.01E-03	0.00E+00	3.01E-03	5.24E-04
3828	499662.9	3732713	3.00E-03	0.00E+00	3.00E-03	5.23E-04
3829	499667.5	3732705	2.99E-03	0.00E+00	2.99E-03	5.22E-04
3830	499681.8	3732695	3.06E-03	0.00E+00	3.06E-03	5.34E-04
3831	499691.5	3732694	3.14E-03	0.00E+00	3.14E-03	5.48E-04
3832	499701.1	3732693	3.23E-03	0.00E+00	3.23E-03	5.62E-04
3833	499710.8	3732692	3.32E-03	0.00E+00	3.32E-03	5.78E-04
3834	499720.5	3732691	3.41E-03	0.00E+00	3.41E-03	5.93E-04
3835	499730.2	3732690	3.50E-03	0.00E+00	3.50E-03	6.10E-04
3836	499739.9	3732689	3.60E-03	0.00E+00	3.60E-03	6.27E-04
3837	499749.6	3732688	3.70E-03	0.00E+00	3.70E-03	6.45E-04
3838	499759.2	3732688	3.81E-03	0.00E+00	3.81E-03	6.63E-04
3839	499768.9	3732687	3.92E-03	0.00E+00	3.92E-03	6.83E-04
3840	499778.6	3732686	4.03E-03	0.00E+00	4.03E-03	7.03E-04
3841	499788.3	3732685	4.15E-03	0.00E+00	4.15E-03	7.23E-04
3842	499798	3732684	4.27E-03	0.00E+00	4.27E-03	7.45E-04
3843	499807.6	3732683	4.40E-03	0.00E+00	4.40E-03	7.67E-04
3844	499817.3	3732682	4.53E-03	0.00E+00	4.53E-03	7.90E-04
3845	499827	3732681	4.67E-03	0.00E+00	4.67E-03	8.14E-04
3846	499836.7	3732680	4.81E-03	0.00E+00	4.81E-03	8.38E-04
3847	499846.4	3732679	4.95E-03	0.00E+00	4.95E-03	8.63E-04

3848	499856	3732678	5.10E-03	0.00E+00	5.10E-03	8.89E-04
3849	499865.7	3732677	5.25E-03	0.00E+00	5.25E-03	9.15E-04
3850	499875.4	3732676	5.40E-03	0.00E+00	5.40E-03	9.42E-04
3851	499885.1	3732675	5.56E-03	0.00E+00	5.56E-03	9.68E-04
3852	499894.8	3732674	5.71E-03	0.00E+00	5.71E-03	9.96E-04
3853	499904.5	3732673	5.87E-03	0.00E+00	5.87E-03	1.02E-03
3854	499914.1	3732672	6.03E-03	0.00E+00	6.03E-03	1.05E-03
3855	499923.8	3732672	6.18E-03	0.00E+00	6.18E-03	1.08E-03
3856	499933.5	3732671	6.34E-03	0.00E+00	6.34E-03	1.10E-03
3857	499943.2	3732670	6.49E-03	0.00E+00	6.49E-03	1.13E-03
3858	499952.9	3732669	6.65E-03	0.00E+00	6.65E-03	1.16E-03
3859	499962.5	3732668	6.79E-03	0.00E+00	6.79E-03	1.18E-03
3860	499591.2	3732791	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3861	499595.8	3732782	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3862	499600.4	3732774	2.80E-03	0.00E+00	2.80E-03	4.87E-04
3863	499605	3732765	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3864	499609.6	3732757	2.79E-03	0.00E+00	2.79E-03	4.86E-04
3865	499614.2	3732748	2.79E-03	0.00E+00	2.79E-03	4.85E-04
3866	499618.8	3732739	2.78E-03	0.00E+00	2.78E-03	4.85E-04
3867	499623.4	3732731	2.78E-03	0.00E+00	2.78E-03	4.84E-04
3868	499627.9	3732722	2.77E-03	0.00E+00	2.77E-03	4.83E-04
3869	499632.5	3732714	2.77E-03	0.00E+00	2.77E-03	4.82E-04
3870	499637.1	3732705	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3871	499641.7	3732697	2.75E-03	0.00E+00	2.75E-03	4.80E-04
3872	499646.3	3732688	2.75E-03	0.00E+00	2.75E-03	4.79E-04
3873	499650.9	3732680	2.74E-03	0.00E+00	2.74E-03	4.78E-04
3874	499665.1	3732670	2.80E-03	0.00E+00	2.80E-03	4.88E-04
3875	499674.8	3732669	2.87E-03	0.00E+00	2.87E-03	5.00E-04
3876	499684.4	3732668	2.94E-03	0.00E+00	2.94E-03	5.13E-04
3877	499694.1	3732667	3.02E-03	0.00E+00	3.02E-03	5.25E-04
3878	499703.7	3732666	3.09E-03	0.00E+00	3.09E-03	5.39E-04
3879	499713.4	3732665	3.17E-03	0.00E+00	3.17E-03	5.53E-04
3880	499723.1	3732664	3.26E-03	0.00E+00	3.26E-03	5.67E-04
3881	499732.7	3732664	3.34E-03	0.00E+00	3.34E-03	5.82E-04
3882	499742.4	3732663	3.43E-03	0.00E+00	3.43E-03	5.98E-04
3883	499752	3732662	3.53E-03	0.00E+00	3.53E-03	6.14E-04
3884	499761.7	3732661	3.62E-03	0.00E+00	3.62E-03	6.31E-04
3885	499771.3	3732660	3.72E-03	0.00E+00	3.72E-03	6.49E-04
3886	499781	3732659	3.83E-03	0.00E+00	3.83E-03	6.67E-04
3887	499790.6	3732658	3.93E-03	0.00E+00	3.93E-03	6.85E-04
3888	499800.3	3732657	4.04E-03	0.00E+00	4.04E-03	7.05E-04
3889	499809.9	3732656	4.16E-03	0.00E+00	4.16E-03	7.25E-04
3890	499819.6	3732655	4.28E-03	0.00E+00	4.28E-03	7.45E-04
3891	499829.3	3732654	4.40E-03	0.00E+00	4.40E-03	7.66E-04
3892	499838.9	3732653	4.52E-03	0.00E+00	4.52E-03	7.88E-04
3893	499848.6	3732652	4.65E-03	0.00E+00	4.65E-03	8.10E-04
3894	499858.2	3732651	4.78E-03	0.00E+00	4.78E-03	8.33E-04

3895	499867.9	3732650	4.91E-03	0.00E+00	4.91E-03	8.56E-04
3896	499877.5	3732649	5.05E-03	0.00E+00	5.05E-03	8.79E-04
3897	499887.2	3732649	5.18E-03	0.00E+00	5.18E-03	9.03E-04
3898	499896.8	3732648	5.32E-03	0.00E+00	5.32E-03	9.27E-04
3899	499906.5	3732647	5.46E-03	0.00E+00	5.46E-03	9.51E-04
3900	499916.1	3732646	5.60E-03	0.00E+00	5.60E-03	9.75E-04
3901	499925.8	3732645	5.73E-03	0.00E+00	5.73E-03	9.99E-04
3902	499935.5	3732644	5.87E-03	0.00E+00	5.87E-03	1.02E-03
3903	499945.1	3732643	6.01E-03	0.00E+00	6.01E-03	1.05E-03
3904	499954.8	3732642	6.14E-03	0.00E+00	6.14E-03	1.07E-03
3905	499964.4	3732641	6.27E-03	0.00E+00	6.27E-03	1.09E-03
3906	499974.1	3732640	6.40E-03	0.00E+00	6.40E-03	1.12E-03
3907	499565.6	3732782	2.58E-03	0.00E+00	2.58E-03	4.50E-04
3908	499570.2	3732774	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3909	499574.8	3732765	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3910	499579.3	3732757	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3911	499583.9	3732748	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3912	499588.5	3732740	2.57E-03	0.00E+00	2.57E-03	4.48E-04
3913	499593.1	3732731	2.57E-03	0.00E+00	2.57E-03	4.47E-04
3914	499597.6	3732723	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3915	499602.2	3732714	2.56E-03	0.00E+00	2.56E-03	4.46E-04
3916	499606.8	3732706	2.55E-03	0.00E+00	2.55E-03	4.45E-04
3917	499611.4	3732697	2.55E-03	0.00E+00	2.55E-03	4.44E-04
3918	499616	3732689	2.55E-03	0.00E+00	2.55E-03	4.43E-04
3919	499620.5	3732680	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3920	499625.1	3732672	2.53E-03	0.00E+00	2.53E-03	4.42E-04
3921	499629.7	3732663	2.53E-03	0.00E+00	2.53E-03	4.41E-04
3922	499634.3	3732655	2.52E-03	0.00E+00	2.52E-03	4.40E-04
3923	499648.5	3732645	2.58E-03	0.00E+00	2.58E-03	4.49E-04
3924	499658.1	3732644	2.63E-03	0.00E+00	2.63E-03	4.59E-04
3925	499667.7	3732643	2.70E-03	0.00E+00	2.70E-03	4.70E-04
3926	499677.4	3732642	2.76E-03	0.00E+00	2.76E-03	4.81E-04
3927	499687	3732641	2.83E-03	0.00E+00	2.83E-03	4.92E-04
3928	499696.6	3732640	2.89E-03	0.00E+00	2.89E-03	5.04E-04
3929	499706.3	3732640	2.97E-03	0.00E+00	2.97E-03	5.17E-04
3930	499715.9	3732639	3.04E-03	0.00E+00	3.04E-03	5.30E-04
3931	499725.5	3732638	3.12E-03	0.00E+00	3.12E-03	5.43E-04
3932	499735.2	3732637	3.20E-03	0.00E+00	3.20E-03	5.57E-04
3933	499744.8	3732636	3.28E-03	0.00E+00	3.28E-03	5.71E-04
3934	499754.4	3732635	3.36E-03	0.00E+00	3.36E-03	5.86E-04
3935	499764.1	3732634	3.45E-03	0.00E+00	3.45E-03	6.01E-04
3936	499773.7	3732633	3.54E-03	0.00E+00	3.54E-03	6.17E-04
3937	499783.3	3732632	3.64E-03	0.00E+00	3.64E-03	6.33E-04
3938	499793	3732631	3.73E-03	0.00E+00	3.73E-03	6.50E-04
3939	499802.6	3732630	3.83E-03	0.00E+00	3.83E-03	6.68E-04
3940	499812.2	3732629	3.94E-03	0.00E+00	3.94E-03	6.86E-04
3941	499821.9	3732628	4.04E-03	0.00E+00	4.04E-03	7.04E-04

3942	499831.5	3732627	4.15E-03	0.00E+00	4.15E-03	7.23E-04
3943	499841.1	3732626	4.26E-03	0.00E+00	4.26E-03	7.43E-04
3944	499850.8	3732625	4.38E-03	0.00E+00	4.38E-03	7.62E-04
3945	499860.4	3732625	4.49E-03	0.00E+00	4.49E-03	7.83E-04
3946	499870	3732624	4.61E-03	0.00E+00	4.61E-03	8.03E-04
3947	499879.7	3732623	4.73E-03	0.00E+00	4.73E-03	8.24E-04
3948	499889.3	3732622	4.85E-03	0.00E+00	4.85E-03	8.45E-04
3949	499898.9	3732621	4.97E-03	0.00E+00	4.97E-03	8.66E-04
3950	499908.6	3732620	5.09E-03	0.00E+00	5.09E-03	8.88E-04
3951	499918.2	3732619	5.22E-03	0.00E+00	5.22E-03	9.09E-04
3952	499927.8	3732618	5.34E-03	0.00E+00	5.34E-03	9.30E-04
3953	499937.4	3732617	5.46E-03	0.00E+00	5.46E-03	9.51E-04
3954	499947.1	3732616	5.58E-03	0.00E+00	5.58E-03	9.72E-04
3955	499956.7	3732615	5.70E-03	0.00E+00	5.70E-03	9.93E-04
3956	499966.3	3732614	5.82E-03	0.00E+00	5.82E-03	1.01E-03
3957	499976	3732613	5.93E-03	0.00E+00	5.93E-03	1.03E-03
3958	499985.6	3732612	6.05E-03	0.00E+00	6.05E-03	1.05E-03
3959	499542.6	3732769	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3960	499547.2	3732761	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3961	499551.9	3732752	2.39E-03	0.00E+00	2.39E-03	4.16E-04
3962	499556.6	3732743	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3963	499561.3	3732735	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3964	499566	3732726	2.38E-03	0.00E+00	2.38E-03	4.14E-04
3965	499570.7	3732717	2.38E-03	0.00E+00	2.38E-03	4.14E-04
3966	499575.4	3732708	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3967	499580	3732700	2.37E-03	0.00E+00	2.37E-03	4.13E-04
3968	499584.7	3732691	2.37E-03	0.00E+00	2.37E-03	4.12E-04
3969	499589.4	3732682	2.36E-03	0.00E+00	2.36E-03	4.11E-04
3970	499594.1	3732673	2.36E-03	0.00E+00	2.36E-03	4.11E-04
3971	499598.8	3732665	2.35E-03	0.00E+00	2.35E-03	4.10E-04
3972	499603.5	3732656	2.35E-03	0.00E+00	2.35E-03	4.09E-04
3973	499608.2	3732647	2.34E-03	0.00E+00	2.34E-03	4.08E-04
3974	499612.8	3732639	2.34E-03	0.00E+00	2.34E-03	4.08E-04
3975	499617.5	3732630	2.33E-03	0.00E+00	2.33E-03	4.07E-04
3976	499632.1	3732620	2.38E-03	0.00E+00	2.38E-03	4.15E-04
3977	499641.9	3732619	2.43E-03	0.00E+00	2.43E-03	4.24E-04
3978	499651.8	3732618	2.49E-03	0.00E+00	2.49E-03	4.33E-04
3979	499661.7	3732617	2.54E-03	0.00E+00	2.54E-03	4.43E-04
3980	499671.5	3732616	2.60E-03	0.00E+00	2.60E-03	4.54E-04
3981	499681.4	3732615	2.66E-03	0.00E+00	2.66E-03	4.64E-04
3982	499691.2	3732614	2.73E-03	0.00E+00	2.73E-03	4.75E-04
3983	499701.1	3732613	2.79E-03	0.00E+00	2.79E-03	4.87E-04
3984	499711	3732612	2.86E-03	0.00E+00	2.86E-03	4.99E-04
3985	499720.8	3732612	2.93E-03	0.00E+00	2.93E-03	5.11E-04
3986	499730.7	3732611	3.01E-03	0.00E+00	3.01E-03	5.24E-04
3987	499740.5	3732610	3.08E-03	0.00E+00	3.08E-03	5.37E-04
3988	499750.4	3732609	3.16E-03	0.00E+00	3.16E-03	5.50E-04

3989	499760.3	3732608	3.24E-03	0.00E+00	3.24E-03	5.65E-04
3990	499770.1	3732607	3.32E-03	0.00E+00	3.32E-03	5.79E-04
3991	499780	3732606	3.41E-03	0.00E+00	3.41E-03	5.94E-04
3992	499789.8	3732605	3.50E-03	0.00E+00	3.50E-03	6.10E-04
3993	499799.7	3732604	3.59E-03	0.00E+00	3.59E-03	6.26E-04
3994	499809.6	3732603	3.68E-03	0.00E+00	3.68E-03	6.42E-04
3995	499819.4	3732602	3.78E-03	0.00E+00	3.78E-03	6.59E-04
3996	499829.3	3732601	3.88E-03	0.00E+00	3.88E-03	6.76E-04
3997	499839.1	3732600	3.98E-03	0.00E+00	3.98E-03	6.94E-04
3998	499849	3732599	4.09E-03	0.00E+00	4.09E-03	7.12E-04
3999	499858.9	3732598	4.19E-03	0.00E+00	4.19E-03	7.30E-04
4000	499868.7	3732597	4.30E-03	0.00E+00	4.30E-03	7.49E-04
4001	499878.6	3732596	4.41E-03	0.00E+00	4.41E-03	7.68E-04
4002	499888.4	3732595	4.52E-03	0.00E+00	4.52E-03	7.87E-04
4003	499898.3	3732594	4.63E-03	0.00E+00	4.63E-03	8.07E-04
4004	499908.2	3732593	4.74E-03	0.00E+00	4.74E-03	8.26E-04
4005	499918	3732592	4.85E-03	0.00E+00	4.85E-03	8.46E-04
4006	499927.9	3732591	4.97E-03	0.00E+00	4.97E-03	8.65E-04
4007	499937.7	3732590	5.08E-03	0.00E+00	5.08E-03	8.85E-04
4008	499947.6	3732589	5.19E-03	0.00E+00	5.19E-03	9.04E-04
4009	499957.5	3732589	5.30E-03	0.00E+00	5.30E-03	9.23E-04
4010	499967.3	3732588	5.41E-03	0.00E+00	5.41E-03	9.42E-04
4011	499977.2	3732587	5.51E-03	0.00E+00	5.51E-03	9.61E-04
4012	499987	3732586	5.62E-03	0.00E+00	5.62E-03	9.79E-04
4013	499996.9	3732585	5.72E-03	0.00E+00	5.72E-03	9.97E-04
4014	499516.9	3732761	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4015	499521.5	3732753	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4016	499526.2	3732744	2.22E-03	0.00E+00	2.22E-03	3.86E-04
4017	499530.9	3732735	2.22E-03	0.00E+00	2.22E-03	3.86E-04
4018	499535.5	3732727	2.21E-03	0.00E+00	2.21E-03	3.86E-04
4019	499540.2	3732718	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4020	499544.9	3732709	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4021	499549.6	3732700	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4022	499554.2	3732692	2.20E-03	0.00E+00	2.20E-03	3.84E-04
4023	499558.9	3732683	2.20E-03	0.00E+00	2.20E-03	3.84E-04
4024	499563.6	3732674	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4025	499568.2	3732666	2.19E-03	0.00E+00	2.19E-03	3.82E-04
4026	499572.9	3732657	2.19E-03	0.00E+00	2.19E-03	3.82E-04
4027	499577.6	3732648	2.19E-03	0.00E+00	2.19E-03	3.81E-04
4028	499582.2	3732640	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4029	499586.9	3732631	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4030	499591.6	3732622	2.17E-03	0.00E+00	2.17E-03	3.79E-04
4031	499596.2	3732614	2.17E-03	0.00E+00	2.17E-03	3.78E-04
4032	499600.9	3732605	2.17E-03	0.00E+00	2.17E-03	3.77E-04
4033	499615.4	3732595	2.21E-03	0.00E+00	2.21E-03	3.84E-04
4034	499625.2	3732594	2.25E-03	0.00E+00	2.25E-03	3.92E-04
4035	499635.1	3732593	2.30E-03	0.00E+00	2.30E-03	4.01E-04

4036	499644.9	3732592	2.35E-03	0.00E+00	2.35E-03	4.09E-04
4037	499654.7	3732591	2.40E-03	0.00E+00	2.40E-03	4.18E-04
4038	499664.5	3732590	2.45E-03	0.00E+00	2.45E-03	4.28E-04
4039	499674.4	3732589	2.51E-03	0.00E+00	2.51E-03	4.37E-04
4040	499684.2	3732588	2.57E-03	0.00E+00	2.57E-03	4.47E-04
4041	499694	3732588	2.63E-03	0.00E+00	2.63E-03	4.57E-04
4042	499703.8	3732587	2.69E-03	0.00E+00	2.69E-03	4.68E-04
4043	499713.7	3732586	2.75E-03	0.00E+00	2.75E-03	4.79E-04
4044	499723.5	3732585	2.82E-03	0.00E+00	2.82E-03	4.90E-04
4045	499733.3	3732584	2.88E-03	0.00E+00	2.88E-03	5.02E-04
4046	499743.1	3732583	2.95E-03	0.00E+00	2.95E-03	5.14E-04
4047	499753	3732582	3.02E-03	0.00E+00	3.02E-03	5.27E-04
4048	499762.8	3732581	3.10E-03	0.00E+00	3.10E-03	5.40E-04
4049	499772.6	3732580	3.17E-03	0.00E+00	3.17E-03	5.53E-04
4050	499782.4	3732579	3.25E-03	0.00E+00	3.25E-03	5.67E-04
4051	499792.3	3732578	3.33E-03	0.00E+00	3.33E-03	5.81E-04
4052	499802.1	3732577	3.42E-03	0.00E+00	3.42E-03	5.96E-04
4053	499811.9	3732576	3.50E-03	0.00E+00	3.50E-03	6.10E-04
4054	499821.7	3732575	3.59E-03	0.00E+00	3.59E-03	6.26E-04
4055	499831.6	3732574	3.68E-03	0.00E+00	3.68E-03	6.41E-04
4056	499841.4	3732573	3.77E-03	0.00E+00	3.77E-03	6.57E-04
4057	499851.2	3732572	3.87E-03	0.00E+00	3.87E-03	6.74E-04
4058	499861.1	3732571	3.96E-03	0.00E+00	3.96E-03	6.90E-04
4059	499870.9	3732570	4.06E-03	0.00E+00	4.06E-03	7.07E-04
4060	499880.7	3732569	4.16E-03	0.00E+00	4.16E-03	7.24E-04
4061	499890.5	3732568	4.25E-03	0.00E+00	4.25E-03	7.41E-04
4062	499900.4	3732567	4.35E-03	0.00E+00	4.35E-03	7.59E-04
4063	499910.2	3732567	4.45E-03	0.00E+00	4.45E-03	7.76E-04
4064	499920	3732566	4.56E-03	0.00E+00	4.56E-03	7.94E-04
4065	499929.8	3732565	4.66E-03	0.00E+00	4.66E-03	8.11E-04
4066	499939.7	3732564	4.76E-03	0.00E+00	4.76E-03	8.29E-04
4067	499949.5	3732563	4.86E-03	0.00E+00	4.86E-03	8.46E-04
4068	499959.3	3732562	4.95E-03	0.00E+00	4.95E-03	8.63E-04
4069	499969.1	3732561	5.05E-03	0.00E+00	5.05E-03	8.80E-04
4070	499979	3732560	5.15E-03	0.00E+00	5.15E-03	8.97E-04
4071	499988.8	3732559	5.24E-03	0.00E+00	5.24E-03	9.13E-04
4072	499998.6	3732558	5.33E-03	0.00E+00	5.33E-03	9.29E-04
4073	500008.4	3732557	5.42E-03	0.00E+00	5.42E-03	9.45E-04
4074	499491.2	3732753	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4075	499495.9	3732745	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4076	499500.5	3732736	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4077	499505.2	3732727	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4078	499509.8	3732719	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4079	499514.5	3732710	2.06E-03	0.00E+00	2.06E-03	3.60E-04
4080	499542.4	3732658	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4081	499547.1	3732649	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4082	499551.7	3732641	2.04E-03	0.00E+00	2.04E-03	3.56E-04

4083	499556.4	3732632	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4084	499561	3732623	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4085	499565.7	3732615	2.03E-03	0.00E+00	2.03E-03	3.54E-04
4086	499570.3	3732606	2.03E-03	0.00E+00	2.03E-03	3.54E-04
4087	499575	3732597	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4088	499579.6	3732588	2.02E-03	0.00E+00	2.02E-03	3.52E-04
4089	499584.3	3732580	2.02E-03	0.00E+00	2.02E-03	3.52E-04
4090	499598.8	3732570	2.05E-03	0.00E+00	2.05E-03	3.58E-04
4091	499608.5	3732569	2.09E-03	0.00E+00	2.09E-03	3.65E-04
4092	499618.3	3732568	2.14E-03	0.00E+00	2.14E-03	3.72E-04
4093	499628.1	3732567	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4094	499637.9	3732566	2.22E-03	0.00E+00	2.22E-03	3.88E-04
4095	499647.7	3732565	2.27E-03	0.00E+00	2.27E-03	3.96E-04
4096	499657.5	3732564	2.32E-03	0.00E+00	2.32E-03	4.04E-04
4097	499667.3	3732564	2.37E-03	0.00E+00	2.37E-03	4.13E-04
4098	499677.1	3732563	2.42E-03	0.00E+00	2.42E-03	4.22E-04
4099	499686.9	3732562	2.47E-03	0.00E+00	2.47E-03	4.31E-04
4100	499696.7	3732561	2.53E-03	0.00E+00	2.53E-03	4.41E-04
4101	499706.5	3732560	2.59E-03	0.00E+00	2.59E-03	4.50E-04
4102	499716.3	3732559	2.64E-03	0.00E+00	2.64E-03	4.61E-04
4103	499726.1	3732558	2.70E-03	0.00E+00	2.70E-03	4.71E-04
4104	499735.9	3732557	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4105	499745.7	3732556	2.83E-03	0.00E+00	2.83E-03	4.93E-04
4106	499755.5	3732555	2.90E-03	0.00E+00	2.90E-03	5.05E-04
4107	499765.3	3732554	2.97E-03	0.00E+00	2.97E-03	5.17E-04
4108	499775.1	3732553	3.04E-03	0.00E+00	3.04E-03	5.29E-04
4109	499784.9	3732552	3.11E-03	0.00E+00	3.11E-03	5.42E-04
4110	499794.7	3732551	3.18E-03	0.00E+00	3.18E-03	5.55E-04
4111	499804.5	3732550	3.26E-03	0.00E+00	3.26E-03	5.68E-04
4112	499814.3	3732549	3.34E-03	0.00E+00	3.34E-03	5.81E-04
4113	499824.1	3732548	3.42E-03	0.00E+00	3.42E-03	5.95E-04
4114	499833.9	3732547	3.50E-03	0.00E+00	3.50E-03	6.10E-04
4115	499843.6	3732546	3.58E-03	0.00E+00	3.58E-03	6.24E-04
4116	499853.4	3732545	3.67E-03	0.00E+00	3.67E-03	6.39E-04
4117	499863.2	3732544	3.75E-03	0.00E+00	3.75E-03	6.54E-04
4118	499873	3732544	3.84E-03	0.00E+00	3.84E-03	6.69E-04
4119	499882.8	3732543	3.93E-03	0.00E+00	3.93E-03	6.84E-04
4120	499892.6	3732542	4.02E-03	0.00E+00	4.02E-03	7.00E-04
4121	499902.4	3732541	4.11E-03	0.00E+00	4.11E-03	7.15E-04
4122	499912.2	3732540	4.20E-03	0.00E+00	4.20E-03	7.31E-04
4123	499922	3732539	4.29E-03	0.00E+00	4.29E-03	7.47E-04
4124	499931.8	3732538	4.38E-03	0.00E+00	4.38E-03	7.63E-04
4125	499941.6	3732537	4.47E-03	0.00E+00	4.47E-03	7.78E-04
4126	499951.4	3732536	4.56E-03	0.00E+00	4.56E-03	7.94E-04
4127	499961.2	3732535	4.65E-03	0.00E+00	4.65E-03	8.10E-04
4128	499971	3732534	4.73E-03	0.00E+00	4.73E-03	8.25E-04
4129	499980.8	3732533	4.82E-03	0.00E+00	4.82E-03	8.40E-04

4130	499990.6	3732532	4.91E-03	0.00E+00	4.91E-03	8.55E-04
4131	500000.4	3732531	4.99E-03	0.00E+00	4.99E-03	8.69E-04
4132	499354.1	3732953	1.88E-03	0.00E+00	1.88E-03	3.28E-04
4133	499358.8	3732944	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4134	499363.4	3732935	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4135	499470.2	3732736	1.94E-03	0.00E+00	1.94E-03	3.37E-04
4136	499474.8	3732728	1.94E-03	0.00E+00	1.94E-03	3.37E-04
4137	499479.5	3732719	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4138	499484.1	3732711	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4139	499488.8	3732702	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4140	499493.4	3732693	1.93E-03	0.00E+00	1.93E-03	3.36E-04
4141	499535.2	3732615	1.91E-03	0.00E+00	1.91E-03	3.33E-04
4142	499539.8	3732607	1.91E-03	0.00E+00	1.91E-03	3.32E-04
4143	499544.5	3732598	1.90E-03	0.00E+00	1.90E-03	3.32E-04
4144	499549.1	3732589	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4145	499553.8	3732581	1.90E-03	0.00E+00	1.90E-03	3.30E-04
4146	499558.4	3732572	1.89E-03	0.00E+00	1.89E-03	3.30E-04
4147	499563	3732563	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4148	499567.7	3732555	1.89E-03	0.00E+00	1.89E-03	3.28E-04
4149	499582.1	3732545	1.92E-03	0.00E+00	1.92E-03	3.34E-04
4150	499591.9	3732544	1.95E-03	0.00E+00	1.95E-03	3.40E-04
4151	499601.6	3732543	1.99E-03	0.00E+00	1.99E-03	3.47E-04
4152	499611.4	3732542	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4153	499621.2	3732541	2.07E-03	0.00E+00	2.07E-03	3.60E-04
4154	499630.9	3732540	2.11E-03	0.00E+00	2.11E-03	3.68E-04
4155	499640.7	3732540	2.15E-03	0.00E+00	2.15E-03	3.75E-04
4156	499650.5	3732539	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4157	499660.3	3732538	2.24E-03	0.00E+00	2.24E-03	3.90E-04
4158	499670	3732537	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4159	499679.8	3732536	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4160	499689.6	3732535	2.39E-03	0.00E+00	2.39E-03	4.16E-04
4161	499699.3	3732534	2.44E-03	0.00E+00	2.44E-03	4.25E-04
4162	499709.1	3732533	2.49E-03	0.00E+00	2.49E-03	4.34E-04
4163	499718.9	3732532	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4164	499728.6	3732531	2.60E-03	0.00E+00	2.60E-03	4.53E-04
4165	499738.4	3732530	2.66E-03	0.00E+00	2.66E-03	4.63E-04
4166	499748.2	3732529	2.72E-03	0.00E+00	2.72E-03	4.74E-04
4167	499758	3732528	2.78E-03	0.00E+00	2.78E-03	4.84E-04
4168	499767.7	3732527	2.84E-03	0.00E+00	2.84E-03	4.95E-04
4169	499777.5	3732526	2.91E-03	0.00E+00	2.91E-03	5.06E-04
4170	499787.3	3732525	2.97E-03	0.00E+00	2.97E-03	5.18E-04
4171	499797	3732524	3.04E-03	0.00E+00	3.04E-03	5.30E-04
4172	499806.8	3732523	3.11E-03	0.00E+00	3.11E-03	5.42E-04
4173	499816.6	3732522	3.18E-03	0.00E+00	3.18E-03	5.54E-04
4174	499826.3	3732521	3.26E-03	0.00E+00	3.26E-03	5.67E-04
4175	499836.1	3732521	3.33E-03	0.00E+00	3.33E-03	5.80E-04
4176	499845.9	3732520	3.41E-03	0.00E+00	3.41E-03	5.93E-04

4177	499855.7	3732519	3.48E-03	0.00E+00	3.48E-03	6.07E-04
4178	499865.4	3732518	3.56E-03	0.00E+00	3.56E-03	6.20E-04
4179	499875.2	3732517	3.64E-03	0.00E+00	3.64E-03	6.34E-04
4180	499885	3732516	3.72E-03	0.00E+00	3.72E-03	6.48E-04
4181	499894.7	3732515	3.80E-03	0.00E+00	3.80E-03	6.62E-04
4182	499904.5	3732514	3.88E-03	0.00E+00	3.88E-03	6.76E-04
4183	499914.3	3732513	3.96E-03	0.00E+00	3.96E-03	6.91E-04
4184	499924	3732512	4.04E-03	0.00E+00	4.04E-03	7.05E-04
4185	499933.8	3732511	4.13E-03	0.00E+00	4.13E-03	7.19E-04
4186	499943.6	3732510	4.21E-03	0.00E+00	4.21E-03	7.33E-04
4187	499953.3	3732509	4.29E-03	0.00E+00	4.29E-03	7.47E-04
4188	499963.1	3732508	4.37E-03	0.00E+00	4.37E-03	7.61E-04
4189	499972.9	3732507	4.45E-03	0.00E+00	4.45E-03	7.75E-04
4190	499982.7	3732506	4.53E-03	0.00E+00	4.53E-03	7.89E-04
4191	500012	3732503	4.76E-03	0.00E+00	4.76E-03	8.29E-04
4192	500021.7	3732503	4.83E-03	0.00E+00	4.83E-03	8.41E-04
4193	500031.5	3732502	4.90E-03	0.00E+00	4.90E-03	8.54E-04
4194	499349.5	3732961	1.88E-03	0.00E+00	1.88E-03	3.27E-04
4195	499349.4	3732971	1.90E-03	0.00E+00	1.90E-03	3.30E-04
4196	499349.4	3732981	1.91E-03	0.00E+00	1.91E-03	3.34E-04
4197	499349.4	3732991	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4198	499349.4	3733001	1.95E-03	0.00E+00	1.95E-03	3.40E-04
4199	499349.4	3733011	1.97E-03	0.00E+00	1.97E-03	3.43E-04
4200	499349.3	3733021	1.99E-03	0.00E+00	1.99E-03	3.46E-04
4201	499349.3	3733031	2.01E-03	0.00E+00	2.01E-03	3.50E-04
4202	499349.3	3733041	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4203	499349.3	3733051	2.05E-03	0.00E+00	2.05E-03	3.56E-04
4204	499349.3	3733061	2.06E-03	0.00E+00	2.06E-03	3.60E-04
4205	499349.2	3733070	2.08E-03	0.00E+00	2.08E-03	3.63E-04
4206	499349.2	3733080	2.10E-03	0.00E+00	2.10E-03	3.67E-04
4207	499349.2	3733090	2.12E-03	0.00E+00	2.12E-03	3.70E-04
4208	499349.2	3733100	2.14E-03	0.00E+00	2.14E-03	3.73E-04
4209	499349.2	3733110	2.16E-03	0.00E+00	2.16E-03	3.77E-04
4210	499349.1	3733120	2.18E-03	0.00E+00	2.18E-03	3.81E-04
4211	499349.1	3733130	2.20E-03	0.00E+00	2.20E-03	3.84E-04
4212	499349.1	3733140	2.23E-03	0.00E+00	2.23E-03	3.88E-04
4213	499349.1	3733150	2.25E-03	0.00E+00	2.25E-03	3.91E-04
4214	499349	3733160	2.27E-03	0.00E+00	2.27E-03	3.95E-04
4215	499349	3733170	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4216	499349	3733180	2.31E-03	0.00E+00	2.31E-03	4.02E-04
4217	499349	3733190	2.33E-03	0.00E+00	2.33E-03	4.06E-04
4218	499349	3733199	2.35E-03	0.00E+00	2.35E-03	4.10E-04
4219	499348.9	3733209	2.37E-03	0.00E+00	2.37E-03	4.14E-04
4220	499348.9	3733219	2.40E-03	0.00E+00	2.40E-03	4.17E-04
4221	499348.9	3733229	2.42E-03	0.00E+00	2.42E-03	4.21E-04
4222	499348.9	3733239	2.44E-03	0.00E+00	2.44E-03	4.25E-04
4223	499348.9	3733249	2.46E-03	0.00E+00	2.46E-03	4.29E-04

4224	499348.8	3733259	2.48E-03	0.00E+00	2.48E-03	4.33E-04
4225	499348.8	3733269	2.51E-03	0.00E+00	2.51E-03	4.37E-04
4226	499348.8	3733279	2.53E-03	0.00E+00	2.53E-03	4.41E-04
4227	499314.1	3732953	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4228	499318.7	3732944	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4229	499323.4	3732935	1.73E-03	0.00E+00	1.73E-03	3.02E-04
4230	499328	3732927	1.74E-03	0.00E+00	1.74E-03	3.02E-04
4231	499332.6	3732918	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4232	499337.2	3732909	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4233	499341.9	3732901	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4234	499346.5	3732892	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4235	499351.1	3732884	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4236	499355.8	3732875	1.75E-03	0.00E+00	1.75E-03	3.06E-04
4237	499439.1	3732720	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4238	499443.7	3732711	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4239	499448.3	3732703	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4240	499453	3732694	1.78E-03	0.00E+00	1.78E-03	3.09E-04
4241	499457.6	3732685	1.78E-03	0.00E+00	1.78E-03	3.09E-04
4242	499462.2	3732677	1.77E-03	0.00E+00	1.77E-03	3.09E-04
4243	499494.6	3732616	1.76E-03	0.00E+00	1.76E-03	3.07E-04
4244	499499.2	3732608	1.76E-03	0.00E+00	1.76E-03	3.07E-04
4245	499503.9	3732599	1.76E-03	0.00E+00	1.76E-03	3.06E-04
4246	499508.5	3732590	1.75E-03	0.00E+00	1.75E-03	3.06E-04
4247	499513.1	3732582	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4248	499517.8	3732573	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4249	499522.4	3732565	1.75E-03	0.00E+00	1.75E-03	3.04E-04
4250	499527	3732556	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4251	499531.6	3732547	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4252	499536.3	3732539	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4253	499540.9	3732530	1.73E-03	0.00E+00	1.73E-03	3.02E-04
4254	499545.5	3732522	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4255	499559.9	3732512	1.76E-03	0.00E+00	1.76E-03	3.06E-04
4256	499569.6	3732511	1.79E-03	0.00E+00	1.79E-03	3.12E-04
4257	499579.4	3732510	1.82E-03	0.00E+00	1.82E-03	3.17E-04
4258	499589.1	3732509	1.85E-03	0.00E+00	1.85E-03	3.23E-04
4259	499598.9	3732508	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4260	499608.6	3732507	1.92E-03	0.00E+00	1.92E-03	3.35E-04
4261	499618.3	3732506	1.96E-03	0.00E+00	1.96E-03	3.41E-04
4262	499628.1	3732505	2.00E-03	0.00E+00	2.00E-03	3.48E-04
4263	499637.8	3732504	2.03E-03	0.00E+00	2.03E-03	3.54E-04
4264	499647.6	3732503	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4265	499657.3	3732502	2.11E-03	0.00E+00	2.11E-03	3.68E-04
4266	499667	3732502	2.16E-03	0.00E+00	2.16E-03	3.76E-04
4267	499676.8	3732501	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4268	499686.5	3732500	2.24E-03	0.00E+00	2.24E-03	3.91E-04
4269	499696.3	3732499	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4270	499706	3732498	2.34E-03	0.00E+00	2.34E-03	4.07E-04

4271	499715.7	3732497	2.39E-03	0.00E+00	2.39E-03	4.16E-04
4272	499725.5	3732496	2.44E-03	0.00E+00	2.44E-03	4.25E-04
4273	499735.2	3732495	2.49E-03	0.00E+00	2.49E-03	4.34E-04
4274	499745	3732494	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4275	499754.7	3732493	2.60E-03	0.00E+00	2.60E-03	4.52E-04
4276	499764.4	3732492	2.65E-03	0.00E+00	2.65E-03	4.62E-04
4277	499774.2	3732491	2.71E-03	0.00E+00	2.71E-03	4.72E-04
4278	499783.9	3732490	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4279	499793.7	3732489	2.83E-03	0.00E+00	2.83E-03	4.93E-04
4280	499803.4	3732488	2.89E-03	0.00E+00	2.89E-03	5.03E-04
4281	499813.1	3732487	2.95E-03	0.00E+00	2.95E-03	5.14E-04
4282	499822.9	3732486	3.02E-03	0.00E+00	3.02E-03	5.25E-04
4283	499832.6	3732485	3.08E-03	0.00E+00	3.08E-03	5.37E-04
4284	499842.3	3732484	3.15E-03	0.00E+00	3.15E-03	5.48E-04
4285	499852.1	3732484	3.21E-03	0.00E+00	3.21E-03	5.60E-04
4286	499861.8	3732483	3.28E-03	0.00E+00	3.28E-03	5.72E-04
4287	499871.6	3732482	3.35E-03	0.00E+00	3.35E-03	5.84E-04
4288	499881.3	3732481	3.42E-03	0.00E+00	3.42E-03	5.96E-04
4289	499891	3732480	3.49E-03	0.00E+00	3.49E-03	6.09E-04
4290	499900.8	3732479	3.56E-03	0.00E+00	3.56E-03	6.21E-04
4291	499910.5	3732478	3.64E-03	0.00E+00	3.64E-03	6.34E-04
4292	499920.3	3732477	3.71E-03	0.00E+00	3.71E-03	6.46E-04
4293	499930	3732476	3.78E-03	0.00E+00	3.78E-03	6.59E-04
4294	499939.7	3732475	3.85E-03	0.00E+00	3.85E-03	6.71E-04
4295	499949.5	3732474	3.92E-03	0.00E+00	3.92E-03	6.84E-04
4296	499959.2	3732473	4.00E-03	0.00E+00	4.00E-03	6.96E-04
4297	499988.4	3732470	4.21E-03	0.00E+00	4.21E-03	7.33E-04
4298	499998.2	3732469	4.27E-03	0.00E+00	4.27E-03	7.45E-04
4299	500007.9	3732468	4.34E-03	0.00E+00	4.34E-03	7.56E-04
4300	500017.7	3732467	4.41E-03	0.00E+00	4.41E-03	7.68E-04
4301	500027.4	3732467	4.47E-03	0.00E+00	4.47E-03	7.79E-04
4302	500037.1	3732466	4.53E-03	0.00E+00	4.53E-03	7.90E-04
4303	500046.9	3732465	4.59E-03	0.00E+00	4.59E-03	8.00E-04
4304	499309.5	3732961	1.72E-03	0.00E+00	1.72E-03	3.00E-04
4305	499309.4	3732971	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4306	499309.4	3732981	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4307	499309.4	3732991	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4308	499309.4	3733001	1.78E-03	0.00E+00	1.78E-03	3.11E-04
4309	499309.4	3733011	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4310	499309.3	3733021	1.82E-03	0.00E+00	1.82E-03	3.16E-04
4311	499309.3	3733031	1.83E-03	0.00E+00	1.83E-03	3.19E-04
4312	499309.3	3733041	1.85E-03	0.00E+00	1.85E-03	3.22E-04
4313	499309.3	3733051	1.86E-03	0.00E+00	1.86E-03	3.25E-04
4314	499309.3	3733060	1.88E-03	0.00E+00	1.88E-03	3.28E-04
4315	499309.2	3733070	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4316	499309.2	3733080	1.91E-03	0.00E+00	1.91E-03	3.34E-04
4317	499309.2	3733090	1.93E-03	0.00E+00	1.93E-03	3.36E-04

4318	499309.2	3733100	1.95E-03	0.00E+00	1.95E-03	3.39E-04
4319	499309.2	3733110	1.97E-03	0.00E+00	1.97E-03	3.42E-04
4320	499309.1	3733120	1.98E-03	0.00E+00	1.98E-03	3.45E-04
4321	499309.1	3733130	2.00E-03	0.00E+00	2.00E-03	3.49E-04
4322	499309.1	3733140	2.02E-03	0.00E+00	2.02E-03	3.52E-04
4323	499309.1	3733150	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4324	499309	3733160	2.05E-03	0.00E+00	2.05E-03	3.58E-04
4325	499309	3733170	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4326	499309	3733179	2.09E-03	0.00E+00	2.09E-03	3.64E-04
4327	499309	3733189	2.11E-03	0.00E+00	2.11E-03	3.67E-04
4328	499309	3733199	2.13E-03	0.00E+00	2.13E-03	3.70E-04
4329	499308.9	3733209	2.14E-03	0.00E+00	2.14E-03	3.74E-04
4330	499308.9	3733219	2.16E-03	0.00E+00	2.16E-03	3.77E-04
4331	499308.9	3733229	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4332	499308.9	3733239	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4333	499308.9	3733249	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4334	499308.8	3733259	2.24E-03	0.00E+00	2.24E-03	3.90E-04
4335	499308.8	3733269	2.26E-03	0.00E+00	2.26E-03	3.93E-04
4336	499308.8	3733279	2.28E-03	0.00E+00	2.28E-03	3.97E-04
4337	499274.1	3732953	1.59E-03	0.00E+00	1.59E-03	2.77E-04
4338	499278.7	3732944	1.59E-03	0.00E+00	1.59E-03	2.77E-04
4339	499283.3	3732935	1.59E-03	0.00E+00	1.59E-03	2.78E-04
4340	499287.9	3732927	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4341	499292.5	3732918	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4342	499297.2	3732910	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4343	499301.8	3732901	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4344	499306.4	3732892	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4345	499311	3732884	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4346	499315.6	3732875	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4347	499320.2	3732867	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4348	499408	3732703	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4349	499412.6	3732695	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4350	499417.2	3732686	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4351	499421.8	3732677	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4352	499458.7	3732609	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4353	499463.4	3732600	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4354	499468	3732591	1.63E-03	0.00E+00	1.63E-03	2.83E-04
4355	499472.6	3732583	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4356	499477.2	3732574	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4357	499481.8	3732566	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4358	499486.4	3732557	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4359	499491.1	3732548	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4360	499495.7	3732540	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4361	499500.3	3732531	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4362	499504.9	3732523	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4363	499509.5	3732514	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4364	499514.1	3732505	1.60E-03	0.00E+00	1.60E-03	2.79E-04

4365	499518.8	3732497	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4366	499523.4	3732488	1.59E-03	0.00E+00	1.59E-03	2.78E-04
4367	499537.7	3732479	1.62E-03	0.00E+00	1.62E-03	2.82E-04
4368	499547.4	3732478	1.65E-03	0.00E+00	1.65E-03	2.87E-04
4369	499557.1	3732477	1.67E-03	0.00E+00	1.67E-03	2.92E-04
4370	499566.8	3732476	1.70E-03	0.00E+00	1.70E-03	2.96E-04
4371	499576.6	3732475	1.73E-03	0.00E+00	1.73E-03	3.02E-04
4372	499586.3	3732474	1.76E-03	0.00E+00	1.76E-03	3.07E-04
4373	499596	3732473	1.79E-03	0.00E+00	1.79E-03	3.12E-04
4374	499605.7	3732472	1.82E-03	0.00E+00	1.82E-03	3.18E-04
4375	499615.4	3732471	1.86E-03	0.00E+00	1.86E-03	3.24E-04
4376	499625.1	3732470	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4377	499634.8	3732469	1.93E-03	0.00E+00	1.93E-03	3.36E-04
4378	499644.6	3732468	1.96E-03	0.00E+00	1.96E-03	3.42E-04
4379	499654.3	3732467	2.00E-03	0.00E+00	2.00E-03	3.48E-04
4380	499664	3732466	2.04E-03	0.00E+00	2.04E-03	3.55E-04
4381	499673.7	3732465	2.08E-03	0.00E+00	2.08E-03	3.62E-04
4382	499683.4	3732464	2.12E-03	0.00E+00	2.12E-03	3.69E-04
4383	499693.1	3732464	2.16E-03	0.00E+00	2.16E-03	3.76E-04
4384	499702.8	3732463	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4385	499712.6	3732462	2.24E-03	0.00E+00	2.24E-03	3.91E-04
4386	499722.3	3732461	2.29E-03	0.00E+00	2.29E-03	3.99E-04
4387	499732	3732460	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4388	499741.7	3732459	2.38E-03	0.00E+00	2.38E-03	4.15E-04
4389	499751.4	3732458	2.43E-03	0.00E+00	2.43E-03	4.24E-04
4390	499761.1	3732457	2.48E-03	0.00E+00	2.48E-03	4.32E-04
4391	499770.8	3732456	2.53E-03	0.00E+00	2.53E-03	4.41E-04
4392	499780.5	3732455	2.58E-03	0.00E+00	2.58E-03	4.50E-04
4393	499790.3	3732454	2.64E-03	0.00E+00	2.64E-03	4.60E-04
4394	499800	3732453	2.69E-03	0.00E+00	2.69E-03	4.69E-04
4395	499809.7	3732452	2.75E-03	0.00E+00	2.75E-03	4.79E-04
4396	499819.4	3732451	2.80E-03	0.00E+00	2.80E-03	4.89E-04
4397	499829.1	3732450	2.86E-03	0.00E+00	2.86E-03	4.99E-04
4398	499838.8	3732449	2.92E-03	0.00E+00	2.92E-03	5.09E-04
4399	499848.5	3732448	2.98E-03	0.00E+00	2.98E-03	5.19E-04
4400	499858.3	3732448	3.04E-03	0.00E+00	3.04E-03	5.30E-04
4401	499868	3732447	3.10E-03	0.00E+00	3.10E-03	5.40E-04
4402	499877.7	3732446	3.16E-03	0.00E+00	3.16E-03	5.51E-04
4403	499887.4	3732445	3.23E-03	0.00E+00	3.23E-03	5.62E-04
4404	499897.1	3732444	3.29E-03	0.00E+00	3.29E-03	5.73E-04
4405	499906.8	3732443	3.35E-03	0.00E+00	3.35E-03	5.84E-04
4406	499916.5	3732442	3.42E-03	0.00E+00	3.42E-03	5.95E-04
4407	499926.3	3732441	3.48E-03	0.00E+00	3.48E-03	6.06E-04
4408	499965.1	3732437	3.73E-03	0.00E+00	3.73E-03	6.51E-04
4409	499974.8	3732436	3.80E-03	0.00E+00	3.80E-03	6.62E-04
4410	499984.5	3732435	3.86E-03	0.00E+00	3.86E-03	6.72E-04
4411	499994.3	3732434	3.92E-03	0.00E+00	3.92E-03	6.83E-04

4412	500004	3732433	3.98E-03	0.00E+00	3.98E-03	6.94E-04
4413	500013.7	3732432	4.04E-03	0.00E+00	4.04E-03	7.04E-04
4414	500023.4	3732431	4.10E-03	0.00E+00	4.10E-03	7.14E-04
4415	500033.1	3732431	4.15E-03	0.00E+00	4.15E-03	7.24E-04
4416	500042.8	3732430	4.21E-03	0.00E+00	4.21E-03	7.34E-04
4417	500052.5	3732429	4.26E-03	0.00E+00	4.26E-03	7.43E-04
4418	500062.3	3732428	4.32E-03	0.00E+00	4.32E-03	7.52E-04
4419	499269.5	3732961	1.59E-03	0.00E+00	1.59E-03	2.76E-04
4420	499269.4	3732971	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4421	499269.4	3732981	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4422	499269.4	3732991	1.63E-03	0.00E+00	1.63E-03	2.83E-04
4423	499269.4	3733001	1.64E-03	0.00E+00	1.64E-03	2.86E-04
4424	499269.4	3733011	1.65E-03	0.00E+00	1.65E-03	2.88E-04
4425	499269.3	3733021	1.67E-03	0.00E+00	1.67E-03	2.90E-04
4426	499269.3	3733031	1.68E-03	0.00E+00	1.68E-03	2.93E-04
4427	499269.3	3733041	1.69E-03	0.00E+00	1.69E-03	2.95E-04
4428	499269.3	3733050	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4429	499269.3	3733060	1.72E-03	0.00E+00	1.72E-03	3.00E-04
4430	499269.2	3733070	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4431	499269.2	3733080	1.75E-03	0.00E+00	1.75E-03	3.05E-04
4432	499269.2	3733090	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4433	499269.2	3733100	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4434	499269.2	3733110	1.80E-03	0.00E+00	1.80E-03	3.13E-04
4435	499269.1	3733120	1.81E-03	0.00E+00	1.81E-03	3.15E-04
4436	499269.1	3733130	1.82E-03	0.00E+00	1.82E-03	3.18E-04
4437	499269.1	3733140	1.84E-03	0.00E+00	1.84E-03	3.21E-04
4438	499269.1	3733150	1.86E-03	0.00E+00	1.86E-03	3.23E-04
4439	499269	3733160	1.87E-03	0.00E+00	1.87E-03	3.26E-04
4440	499269	3733169	1.89E-03	0.00E+00	1.89E-03	3.29E-04
4441	499269	3733179	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4442	499269	3733189	1.92E-03	0.00E+00	1.92E-03	3.34E-04
4443	499269	3733199	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4444	499268.9	3733209	1.95E-03	0.00E+00	1.95E-03	3.39E-04
4445	499268.9	3733219	1.96E-03	0.00E+00	1.96E-03	3.42E-04
4446	499268.9	3733229	1.98E-03	0.00E+00	1.98E-03	3.45E-04
4447	499268.9	3733239	2.00E-03	0.00E+00	2.00E-03	3.48E-04
4448	499268.9	3733249	2.01E-03	0.00E+00	2.01E-03	3.51E-04
4449	499268.8	3733259	2.03E-03	0.00E+00	2.03E-03	3.53E-04
4450	499268.8	3733269	2.04E-03	0.00E+00	2.04E-03	3.56E-04
4451	499268.8	3733279	2.06E-03	0.00E+00	2.06E-03	3.59E-04
4452	499234.2	3732952	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4453	499238.8	3732944	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4454	499243.5	3732935	1.47E-03	0.00E+00	1.47E-03	2.57E-04
4455	499248.2	3732926	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4456	499252.9	3732917	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4457	499257.6	3732909	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4458	499262.3	3732900	1.48E-03	0.00E+00	1.48E-03	2.59E-04

4459	499266.9	3732891	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4460	499271.6	3732883	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4461	499276.3	3732874	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4462	499281	3732865	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4463	499285.7	3732856	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4464	499416.8	3732612	1.52E-03	0.00E+00	1.52E-03	2.64E-04
4465	499421.5	3732603	1.51E-03	0.00E+00	1.51E-03	2.64E-04
4466	499426.2	3732595	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4467	499430.9	3732586	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4468	499435.6	3732577	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4469	499440.2	3732568	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4470	499444.9	3732560	1.51E-03	0.00E+00	1.51E-03	2.62E-04
4471	499449.6	3732551	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4472	499454.3	3732542	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4473	499459	3732534	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4474	499463.7	3732525	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4475	499468.3	3732516	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4476	499473	3732507	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4477	499477.7	3732499	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4478	499482.4	3732490	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4479	499487.1	3732481	1.48E-03	0.00E+00	1.48E-03	2.59E-04
4480	499491.8	3732472	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4481	499496.5	3732464	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4482	499501.1	3732455	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4483	499515.7	3732445	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4484	499525.5	3732444	1.52E-03	0.00E+00	1.52E-03	2.65E-04
4485	499535.4	3732443	1.55E-03	0.00E+00	1.55E-03	2.69E-04
4486	499545.2	3732442	1.57E-03	0.00E+00	1.57E-03	2.74E-04
4487	499555.1	3732442	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4488	499565	3732441	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4489	499574.8	3732440	1.65E-03	0.00E+00	1.65E-03	2.88E-04
4490	499584.7	3732439	1.68E-03	0.00E+00	1.68E-03	2.93E-04
4491	499594.5	3732438	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4492	499604.4	3732437	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4493	499614.2	3732436	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4494	499624.1	3732435	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4495	499633.9	3732434	1.83E-03	0.00E+00	1.83E-03	3.20E-04
4496	499643.8	3732433	1.87E-03	0.00E+00	1.87E-03	3.25E-04
4497	499653.7	3732432	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4498	499663.5	3732431	1.94E-03	0.00E+00	1.94E-03	3.37E-04
4499	499673.4	3732430	1.97E-03	0.00E+00	1.97E-03	3.44E-04
4500	499683.2	3732429	2.01E-03	0.00E+00	2.01E-03	3.50E-04
4501	499693.1	3732428	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4502	499702.9	3732427	2.09E-03	0.00E+00	2.09E-03	3.64E-04
4503	499712.8	3732426	2.13E-03	0.00E+00	2.13E-03	3.71E-04
4504	499722.6	3732425	2.17E-03	0.00E+00	2.17E-03	3.78E-04
4505	499732.5	3732424	2.21E-03	0.00E+00	2.21E-03	3.86E-04

4506	499742.4	3732423	2.26E-03	0.00E+00	2.26E-03	3.93E-04
4507	499752.2	3732422	2.30E-03	0.00E+00	2.30E-03	4.01E-04
4508	499762.1	3732421	2.35E-03	0.00E+00	2.35E-03	4.09E-04
4509	499771.9	3732420	2.39E-03	0.00E+00	2.39E-03	4.17E-04
4510	499781.8	3732419	2.44E-03	0.00E+00	2.44E-03	4.26E-04
4511	499791.6	3732419	2.49E-03	0.00E+00	2.49E-03	4.34E-04
4512	499801.5	3732418	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4513	499811.3	3732417	2.59E-03	0.00E+00	2.59E-03	4.52E-04
4514	499821.2	3732416	2.64E-03	0.00E+00	2.64E-03	4.61E-04
4515	499831.1	3732415	2.70E-03	0.00E+00	2.70E-03	4.70E-04
4516	499840.9	3732414	2.75E-03	0.00E+00	2.75E-03	4.79E-04
4517	499850.8	3732413	2.80E-03	0.00E+00	2.80E-03	4.89E-04
4518	499860.6	3732412	2.86E-03	0.00E+00	2.86E-03	4.98E-04
4519	499870.5	3732411	2.92E-03	0.00E+00	2.92E-03	5.08E-04
4520	499880.3	3732410	2.97E-03	0.00E+00	2.97E-03	5.18E-04
4521	499890.2	3732409	3.03E-03	0.00E+00	3.03E-03	5.28E-04
4522	499900.1	3732408	3.09E-03	0.00E+00	3.09E-03	5.38E-04
4523	499939.5	3732404	3.32E-03	0.00E+00	3.32E-03	5.78E-04
4524	499949.3	3732403	3.37E-03	0.00E+00	3.37E-03	5.88E-04
4525	499959.2	3732402	3.43E-03	0.00E+00	3.43E-03	5.98E-04
4526	499969	3732401	3.49E-03	0.00E+00	3.49E-03	6.08E-04
4527	499978.9	3732400	3.55E-03	0.00E+00	3.55E-03	6.18E-04
4528	499988.8	3732399	3.60E-03	0.00E+00	3.60E-03	6.28E-04
4529	499998.6	3732398	3.66E-03	0.00E+00	3.66E-03	6.37E-04
4530	500008.5	3732397	3.71E-03	0.00E+00	3.71E-03	6.47E-04
4531	500018.3	3732396	3.77E-03	0.00E+00	3.77E-03	6.56E-04
4532	500028.2	3732396	3.82E-03	0.00E+00	3.82E-03	6.65E-04
4533	500038	3732395	3.87E-03	0.00E+00	3.87E-03	6.74E-04
4534	500047.9	3732394	3.92E-03	0.00E+00	3.92E-03	6.83E-04
4535	500057.7	3732393	3.97E-03	0.00E+00	3.97E-03	6.92E-04
4536	500067.6	3732392	4.02E-03	0.00E+00	4.02E-03	7.00E-04
4537	500077.5	3732391	4.06E-03	0.00E+00	4.06E-03	7.08E-04
4538	499229.5	3732961	1.47E-03	0.00E+00	1.47E-03	2.55E-04
4539	499229.4	3732971	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4540	499229.4	3732981	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4541	499229.4	3732991	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4542	499229.4	3733001	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4543	499229.4	3733011	1.52E-03	0.00E+00	1.52E-03	2.66E-04
4544	499229.3	3733021	1.54E-03	0.00E+00	1.54E-03	2.68E-04
4545	499229.3	3733030	1.55E-03	0.00E+00	1.55E-03	2.70E-04
4546	499229.3	3733040	1.56E-03	0.00E+00	1.56E-03	2.72E-04
4547	499229.3	3733050	1.57E-03	0.00E+00	1.57E-03	2.74E-04
4548	499229.3	3733060	1.59E-03	0.00E+00	1.59E-03	2.76E-04
4549	499229.2	3733070	1.60E-03	0.00E+00	1.60E-03	2.78E-04
4550	499229.2	3733080	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4551	499229.2	3733090	1.62E-03	0.00E+00	1.62E-03	2.83E-04
4552	499229.2	3733100	1.64E-03	0.00E+00	1.64E-03	2.85E-04

4553	499229.2	3733110	1.65E-03	0.00E+00	1.65E-03	2.87E-04
4554	499229.1	3733120	1.66E-03	0.00E+00	1.66E-03	2.90E-04
4555	499229.1	3733130	1.67E-03	0.00E+00	1.67E-03	2.92E-04
4556	499229.1	3733140	1.69E-03	0.00E+00	1.69E-03	2.94E-04
4557	499229.1	3733150	1.70E-03	0.00E+00	1.70E-03	2.96E-04
4558	499229	3733159	1.71E-03	0.00E+00	1.71E-03	2.99E-04
4559	499229	3733169	1.73E-03	0.00E+00	1.73E-03	3.01E-04
4560	499229	3733179	1.74E-03	0.00E+00	1.74E-03	3.03E-04
4561	499229	3733189	1.75E-03	0.00E+00	1.75E-03	3.06E-04
4562	499229	3733199	1.77E-03	0.00E+00	1.77E-03	3.08E-04
4563	499228.9	3733209	1.78E-03	0.00E+00	1.78E-03	3.10E-04
4564	499228.9	3733219	1.80E-03	0.00E+00	1.80E-03	3.13E-04
4565	499228.9	3733229	1.81E-03	0.00E+00	1.81E-03	3.15E-04
4566	499228.9	3733239	1.82E-03	0.00E+00	1.82E-03	3.18E-04
4567	499228.9	3733249	1.84E-03	0.00E+00	1.84E-03	3.20E-04
4568	499228.8	3733259	1.85E-03	0.00E+00	1.85E-03	3.23E-04
4569	499228.8	3733269	1.86E-03	0.00E+00	1.86E-03	3.25E-04
4570	499228.8	3733279	1.88E-03	0.00E+00	1.88E-03	3.27E-04
4571	499194.1	3732952	1.36E-03	0.00E+00	1.36E-03	2.37E-04
4572	499198.8	3732944	1.37E-03	0.00E+00	1.37E-03	2.38E-04
4573	499203.5	3732935	1.37E-03	0.00E+00	1.37E-03	2.38E-04
4574	499208.1	3732926	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4575	499212.8	3732917	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4576	499217.5	3732909	1.37E-03	0.00E+00	1.37E-03	2.40E-04
4577	499222.2	3732900	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4578	499226.8	3732891	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4579	499231.5	3732883	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4580	499236.2	3732874	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4581	499240.8	3732865	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4582	499245.5	3732857	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4583	499250.2	3732848	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4584	499254.8	3732839	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4585	499338.9	3732683	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4586	499343.6	3732674	1.41E-03	0.00E+00	1.41E-03	2.47E-04
4587	499348.2	3732665	1.41E-03	0.00E+00	1.41E-03	2.47E-04
4588	499352.9	3732657	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4589	499357.6	3732648	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4590	499399.6	3732570	1.41E-03	0.00E+00	1.41E-03	2.45E-04
4591	499404.3	3732561	1.41E-03	0.00E+00	1.41E-03	2.45E-04
4592	499408.9	3732552	1.40E-03	0.00E+00	1.40E-03	2.45E-04
4593	499413.6	3732543	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4594	499418.3	3732535	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4595	499422.9	3732526	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4596	499427.6	3732517	1.40E-03	0.00E+00	1.40E-03	2.43E-04
4597	499432.3	3732509	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4598	499437	3732500	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4599	499460.3	3732457	1.38E-03	0.00E+00	1.38E-03	2.41E-04

4600	499465	3732448	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4601	499469.6	3732439	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4602	499474.3	3732430	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4603	499479	3732422	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4604	499493.5	3732412	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4605	499503.3	3732411	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4606	499513.1	3732410	1.43E-03	0.00E+00	1.43E-03	2.50E-04
4607	499562.3	3732405	1.55E-03	0.00E+00	1.55E-03	2.70E-04
4608	499572.1	3732404	1.58E-03	0.00E+00	1.58E-03	2.74E-04
4609	499581.9	3732403	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4610	499591.7	3732403	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4611	499601.6	3732402	1.66E-03	0.00E+00	1.66E-03	2.88E-04
4612	499611.4	3732401	1.68E-03	0.00E+00	1.68E-03	2.93E-04
4613	499621.2	3732400	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4614	499631	3732399	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4615	499640.9	3732398	1.77E-03	0.00E+00	1.77E-03	3.09E-04
4616	499650.7	3732397	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4617	499660.5	3732396	1.84E-03	0.00E+00	1.84E-03	3.20E-04
4618	499670.3	3732395	1.87E-03	0.00E+00	1.87E-03	3.26E-04
4619	499680.2	3732394	1.90E-03	0.00E+00	1.90E-03	3.32E-04
4620	499690	3732393	1.94E-03	0.00E+00	1.94E-03	3.38E-04
4621	499699.8	3732392	1.97E-03	0.00E+00	1.97E-03	3.44E-04
4622	499709.6	3732391	2.01E-03	0.00E+00	2.01E-03	3.50E-04
4623	499719.5	3732390	2.05E-03	0.00E+00	2.05E-03	3.57E-04
4624	499729.3	3732389	2.09E-03	0.00E+00	2.09E-03	3.64E-04
4625	499739.1	3732388	2.13E-03	0.00E+00	2.13E-03	3.71E-04
4626	499748.9	3732387	2.17E-03	0.00E+00	2.17E-03	3.78E-04
4627	499758.8	3732386	2.21E-03	0.00E+00	2.21E-03	3.85E-04
4628	499768.6	3732385	2.25E-03	0.00E+00	2.25E-03	3.92E-04
4629	499778.4	3732384	2.29E-03	0.00E+00	2.29E-03	4.00E-04
4630	499788.2	3732383	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4631	499798.1	3732382	2.38E-03	0.00E+00	2.38E-03	4.15E-04
4632	499807.9	3732381	2.43E-03	0.00E+00	2.43E-03	4.23E-04
4633	499817.7	3732381	2.47E-03	0.00E+00	2.47E-03	4.31E-04
4634	499827.5	3732380	2.52E-03	0.00E+00	2.52E-03	4.39E-04
4635	499837.4	3732379	2.57E-03	0.00E+00	2.57E-03	4.48E-04
4636	499847.2	3732378	2.62E-03	0.00E+00	2.62E-03	4.56E-04
4637	499857	3732377	2.67E-03	0.00E+00	2.67E-03	4.65E-04
4638	499866.8	3732376	2.72E-03	0.00E+00	2.72E-03	4.73E-04
4639	499876.7	3732375	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4640	499916	3732371	2.97E-03	0.00E+00	2.97E-03	5.18E-04
4641	499925.8	3732370	3.02E-03	0.00E+00	3.02E-03	5.27E-04
4642	499935.6	3732369	3.07E-03	0.00E+00	3.07E-03	5.36E-04
4643	499945.4	3732368	3.13E-03	0.00E+00	3.13E-03	5.45E-04
4644	499955.3	3732367	3.18E-03	0.00E+00	3.18E-03	5.54E-04
4645	499965.1	3732366	3.23E-03	0.00E+00	3.23E-03	5.63E-04
4646	499974.9	3732365	3.28E-03	0.00E+00	3.28E-03	5.72E-04

4647	499984.7	3732364	3.33E-03	0.00E+00	3.33E-03	5.80E-04
4648	499994.6	3732363	3.38E-03	0.00E+00	3.38E-03	5.89E-04
4649	500004.4	3732362	3.43E-03	0.00E+00	3.43E-03	5.98E-04
4650	500014.2	3732361	3.48E-03	0.00E+00	3.48E-03	6.06E-04
4651	500024.1	3732360	3.53E-03	0.00E+00	3.53E-03	6.15E-04
4652	500033.9	3732360	3.58E-03	0.00E+00	3.58E-03	6.23E-04
4653	500043.7	3732359	3.62E-03	0.00E+00	3.62E-03	6.31E-04
4654	500053.5	3732358	3.67E-03	0.00E+00	3.67E-03	6.39E-04
4655	500063.4	3732357	3.71E-03	0.00E+00	3.71E-03	6.46E-04
4656	500073.2	3732356	3.75E-03	0.00E+00	3.75E-03	6.54E-04
4657	500083	3732355	3.79E-03	0.00E+00	3.79E-03	6.61E-04
4658	500092.8	3732354	3.83E-03	0.00E+00	3.83E-03	6.68E-04
4659	499189.5	3732961	1.36E-03	0.00E+00	1.36E-03	2.37E-04
4660	499189.4	3732971	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4661	499189.4	3732981	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4662	499189.4	3732991	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4663	499189.4	3733001	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4664	499189.4	3733011	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4665	499189.3	3733020	1.42E-03	0.00E+00	1.42E-03	2.48E-04
4666	499189.3	3733030	1.43E-03	0.00E+00	1.43E-03	2.50E-04
4667	499189.3	3733040	1.44E-03	0.00E+00	1.44E-03	2.52E-04
4668	499189.3	3733050	1.45E-03	0.00E+00	1.45E-03	2.53E-04
4669	499189.3	3733060	1.47E-03	0.00E+00	1.47E-03	2.55E-04
4670	499189.2	3733070	1.48E-03	0.00E+00	1.48E-03	2.57E-04
4671	499189.2	3733080	1.49E-03	0.00E+00	1.49E-03	2.59E-04
4672	499189.2	3733090	1.50E-03	0.00E+00	1.50E-03	2.61E-04
4673	499189.2	3733100	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4674	499189.2	3733110	1.52E-03	0.00E+00	1.52E-03	2.65E-04
4675	499189.1	3733120	1.53E-03	0.00E+00	1.53E-03	2.67E-04
4676	499189.1	3733130	1.54E-03	0.00E+00	1.54E-03	2.69E-04
4677	499189.1	3733140	1.56E-03	0.00E+00	1.56E-03	2.71E-04
4678	499189.1	3733149	1.57E-03	0.00E+00	1.57E-03	2.73E-04
4679	499189	3733159	1.58E-03	0.00E+00	1.58E-03	2.75E-04
4680	499189	3733169	1.59E-03	0.00E+00	1.59E-03	2.77E-04
4681	499189	3733179	1.60E-03	0.00E+00	1.60E-03	2.79E-04
4682	499189	3733189	1.61E-03	0.00E+00	1.61E-03	2.81E-04
4683	499189	3733199	1.63E-03	0.00E+00	1.63E-03	2.83E-04
4684	499188.9	3733209	1.64E-03	0.00E+00	1.64E-03	2.85E-04
4685	499188.9	3733219	1.65E-03	0.00E+00	1.65E-03	2.87E-04
4686	499188.9	3733229	1.66E-03	0.00E+00	1.66E-03	2.90E-04
4687	499188.9	3733239	1.67E-03	0.00E+00	1.67E-03	2.92E-04
4688	499188.9	3733249	1.69E-03	0.00E+00	1.69E-03	2.94E-04
4689	499188.8	3733259	1.70E-03	0.00E+00	1.70E-03	2.96E-04
4690	499188.8	3733269	1.71E-03	0.00E+00	1.71E-03	2.98E-04
4691	499188.8	3733278	1.72E-03	0.00E+00	1.72E-03	3.00E-04
4692	499154.1	3732952	1.27E-03	0.00E+00	1.27E-03	2.21E-04
4693	499158.8	3732944	1.27E-03	0.00E+00	1.27E-03	2.22E-04

4694	499163.4	3732935	1.27E-03	0.00E+00	1.27E-03	2.22E-04
4695	499168.1	3732926	1.28E-03	0.00E+00	1.28E-03	2.22E-04
4696	499172.8	3732918	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4697	499177.4	3732909	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4698	499182.1	3732900	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4699	499186.7	3732891	1.28E-03	0.00E+00	1.28E-03	2.24E-04
4700	499191.4	3732883	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4701	499196	3732874	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4702	499200.7	3732865	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4703	499205.3	3732857	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4704	499210	3732848	1.29E-03	0.00E+00	1.29E-03	2.26E-04
4705	499214.7	3732839	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4706	499219.3	3732831	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4707	499224	3732822	1.30E-03	0.00E+00	1.30E-03	2.27E-04
4708	499307.8	3732666	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4709	499312.5	3732657	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4710	499317.1	3732649	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4711	499321.8	3732640	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4712	499326.4	3732631	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4713	499331.1	3732623	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4714	499335.7	3732614	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4715	499340.4	3732605	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4716	499345.1	3732597	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4717	499349.7	3732588	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4718	499354.4	3732579	1.32E-03	0.00E+00	1.32E-03	2.29E-04
4719	499359	3732571	1.32E-03	0.00E+00	1.32E-03	2.29E-04
4720	499363.7	3732562	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4721	499410.3	3732475	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4722	499414.9	3732466	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4723	499419.6	3732458	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4724	499424.2	3732449	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4725	499428.9	3732440	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4726	499433.5	3732432	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4727	499438.2	3732423	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4728	499442.8	3732414	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4729	499447.5	3732406	1.28E-03	0.00E+00	1.28E-03	2.24E-04
4730	499452.2	3732397	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4731	499456.8	3732388	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4732	499471.3	3732379	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4733	499481.1	3732378	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4734	499490.9	3732377	1.33E-03	0.00E+00	1.33E-03	2.32E-04
4735	499500.7	3732376	1.35E-03	0.00E+00	1.35E-03	2.36E-04
4736	499510.5	3732375	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4737	499520.3	3732374	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4738	499530.1	3732373	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4739	499539.9	3732372	1.44E-03	0.00E+00	1.44E-03	2.50E-04
4740	499549.7	3732371	1.46E-03	0.00E+00	1.46E-03	2.54E-04

4741	499559.5	3732370	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4742	499569.3	3732369	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4743	499579.1	3732368	1.53E-03	0.00E+00	1.53E-03	2.66E-04
4744	499755.4	3732351	2.08E-03	0.00E+00	2.08E-03	3.63E-04
4745	499765.2	3732350	2.12E-03	0.00E+00	2.12E-03	3.69E-04
4746	499775	3732349	2.16E-03	0.00E+00	2.16E-03	3.76E-04
4747	499784.8	3732348	2.20E-03	0.00E+00	2.20E-03	3.83E-04
4748	499794.6	3732347	2.24E-03	0.00E+00	2.24E-03	3.90E-04
4749	499804.4	3732346	2.28E-03	0.00E+00	2.28E-03	3.97E-04
4750	499873	3732340	2.58E-03	0.00E+00	2.58E-03	4.50E-04
4751	499882.8	3732339	2.63E-03	0.00E+00	2.63E-03	4.58E-04
4752	499892.6	3732338	2.67E-03	0.00E+00	2.67E-03	4.66E-04
4753	499902.4	3732337	2.72E-03	0.00E+00	2.72E-03	4.74E-04
4754	499912.2	3732336	2.77E-03	0.00E+00	2.77E-03	4.82E-04
4755	499922	3732335	2.81E-03	0.00E+00	2.81E-03	4.90E-04
4756	499931.8	3732334	2.86E-03	0.00E+00	2.86E-03	4.98E-04
4757	499941.6	3732333	2.91E-03	0.00E+00	2.91E-03	5.06E-04
4758	499951.4	3732332	2.95E-03	0.00E+00	2.95E-03	5.15E-04
4759	499961.2	3732331	3.00E-03	0.00E+00	3.00E-03	5.23E-04
4760	499971	3732330	3.05E-03	0.00E+00	3.05E-03	5.31E-04
4761	499980.8	3732329	3.09E-03	0.00E+00	3.09E-03	5.39E-04
4762	499990.6	3732328	3.14E-03	0.00E+00	3.14E-03	5.47E-04
4763	500000.4	3732327	3.18E-03	0.00E+00	3.18E-03	5.54E-04
4764	500010.2	3732326	3.23E-03	0.00E+00	3.23E-03	5.62E-04
4765	500020	3732325	3.27E-03	0.00E+00	3.27E-03	5.70E-04
4766	500029.8	3732324	3.31E-03	0.00E+00	3.31E-03	5.77E-04
4767	500039.6	3732324	3.36E-03	0.00E+00	3.36E-03	5.85E-04
4768	500049.4	3732323	3.40E-03	0.00E+00	3.40E-03	5.92E-04
4769	500059.2	3732322	3.44E-03	0.00E+00	3.44E-03	5.99E-04
4770	500069	3732321	3.48E-03	0.00E+00	3.48E-03	6.06E-04
4771	500078.8	3732320	3.52E-03	0.00E+00	3.52E-03	6.13E-04
4772	500088.6	3732319	3.55E-03	0.00E+00	3.55E-03	6.19E-04
4773	500098.4	3732318	3.59E-03	0.00E+00	3.59E-03	6.25E-04
4774	500108.2	3732317	3.62E-03	0.00E+00	3.62E-03	6.32E-04
4775	499149.5	3732961	1.27E-03	0.00E+00	1.27E-03	2.21E-04
4776	499149.4	3732971	1.28E-03	0.00E+00	1.28E-03	2.22E-04
4777	499149.4	3732981	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4778	499149.4	3732991	1.29E-03	0.00E+00	1.29E-03	2.26E-04
4779	499149.4	3733001	1.30E-03	0.00E+00	1.30E-03	2.27E-04
4780	499149.4	3733010	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4781	499149.3	3733020	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4782	499149.3	3733030	1.33E-03	0.00E+00	1.33E-03	2.32E-04
4783	499149.3	3733040	1.34E-03	0.00E+00	1.34E-03	2.34E-04
4784	499149.3	3733050	1.35E-03	0.00E+00	1.35E-03	2.35E-04
4785	499149.3	3733060	1.36E-03	0.00E+00	1.36E-03	2.37E-04
4786	499149.2	3733070	1.37E-03	0.00E+00	1.37E-03	2.39E-04
4787	499149.2	3733080	1.38E-03	0.00E+00	1.38E-03	2.40E-04

4788	499149.2	3733090	1.39E-03	0.00E+00	1.39E-03	2.42E-04
4789	499149.2	3733100	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4790	499149.2	3733110	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4791	499149.1	3733120	1.42E-03	0.00E+00	1.42E-03	2.47E-04
4792	499149.1	3733130	1.43E-03	0.00E+00	1.43E-03	2.49E-04
4793	499149.1	3733139	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4794	499149.1	3733149	1.45E-03	0.00E+00	1.45E-03	2.53E-04
4795	499149	3733159	1.46E-03	0.00E+00	1.46E-03	2.55E-04
4796	499149	3733169	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4797	499149	3733179	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4798	499149	3733189	1.49E-03	0.00E+00	1.49E-03	2.60E-04
4799	499149	3733199	1.50E-03	0.00E+00	1.50E-03	2.62E-04
4800	499148.9	3733209	1.51E-03	0.00E+00	1.51E-03	2.64E-04
4801	499148.9	3733219	1.52E-03	0.00E+00	1.52E-03	2.65E-04
4802	499148.9	3733229	1.53E-03	0.00E+00	1.53E-03	2.67E-04
4803	499148.9	3733239	1.54E-03	0.00E+00	1.54E-03	2.69E-04
4804	499148.9	3733249	1.55E-03	0.00E+00	1.55E-03	2.71E-04
4805	499148.8	3733259	1.57E-03	0.00E+00	1.57E-03	2.73E-04
4806	499148.8	3733268	1.58E-03	0.00E+00	1.58E-03	2.75E-04
4807	499148.8	3733278	1.59E-03	0.00E+00	1.59E-03	2.76E-04
4808	499114.1	3732952	1.19E-03	0.00E+00	1.19E-03	2.07E-04
4809	499118.8	3732943	1.19E-03	0.00E+00	1.19E-03	2.07E-04
4810	499123.4	3732935	1.19E-03	0.00E+00	1.19E-03	2.07E-04
4811	499128	3732926	1.19E-03	0.00E+00	1.19E-03	2.08E-04
4812	499132.7	3732918	1.19E-03	0.00E+00	1.19E-03	2.08E-04
4813	499137.3	3732909	1.20E-03	0.00E+00	1.20E-03	2.08E-04
4814	499142	3732900	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4815	499146.6	3732892	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4816	499151.3	3732883	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4817	499155.9	3732874	1.20E-03	0.00E+00	1.20E-03	2.10E-04
4818	499160.6	3732866	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4819	499165.2	3732857	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4820	499169.9	3732848	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4821	499174.5	3732840	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4822	499179.2	3732831	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4823	499183.8	3732822	1.21E-03	0.00E+00	1.21E-03	2.12E-04
4824	499188.4	3732814	1.22E-03	0.00E+00	1.22E-03	2.12E-04
4825	499276.7	3732649	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4826	499281.4	3732641	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4827	499286	3732632	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4828	499290.6	3732623	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4829	499295.3	3732615	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4830	499299.9	3732606	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4831	499304.6	3732597	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4832	499309.2	3732589	1.24E-03	0.00E+00	1.24E-03	2.15E-04
4833	499313.9	3732580	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4834	499318.5	3732571	1.23E-03	0.00E+00	1.23E-03	2.15E-04

4835	499323.2	3732563	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4836	499327.8	3732554	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4837	499332.5	3732545	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4838	499337.1	3732537	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4839	499341.7	3732528	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4840	499346.4	3732519	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4841	499351	3732511	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4842	499355.7	3732502	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4843	499406.8	3732407	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4844	499411.4	3732398	1.21E-03	0.00E+00	1.21E-03	2.10E-04
4845	499425.4	3732372	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4846	499430	3732364	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4847	499434.7	3732355	1.20E-03	0.00E+00	1.20E-03	2.08E-04
4848	499449.1	3732345	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4849	499458.9	3732345	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4850	499468.6	3732344	1.24E-03	0.00E+00	1.24E-03	2.17E-04
4851	499478.4	3732343	1.26E-03	0.00E+00	1.26E-03	2.20E-04
4852	499488.2	3732342	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4853	499498	3732341	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4854	499507.7	3732340	1.32E-03	0.00E+00	1.32E-03	2.29E-04
4855	499517.5	3732339	1.34E-03	0.00E+00	1.34E-03	2.33E-04
4856	499527.3	3732338	1.36E-03	0.00E+00	1.36E-03	2.36E-04
4857	499537.1	3732337	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4858	499546.8	3732336	1.40E-03	0.00E+00	1.40E-03	2.43E-04
4859	499556.6	3732335	1.42E-03	0.00E+00	1.42E-03	2.47E-04
4860	499566.4	3732334	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4861	499576.2	3732333	1.46E-03	0.00E+00	1.46E-03	2.54E-04
4862	499585.9	3732332	1.48E-03	0.00E+00	1.48E-03	2.58E-04
4863	499595.7	3732331	1.51E-03	0.00E+00	1.51E-03	2.63E-04
4864	499605.5	3732330	1.53E-03	0.00E+00	1.53E-03	2.67E-04
4865	499615.3	3732329	1.55E-03	0.00E+00	1.55E-03	2.71E-04
4866	499625	3732328	1.58E-03	0.00E+00	1.58E-03	2.75E-04
4867	499634.8	3732327	1.61E-03	0.00E+00	1.61E-03	2.80E-04
4868	499644.6	3732326	1.63E-03	0.00E+00	1.63E-03	2.84E-04
4869	499654.4	3732326	1.66E-03	0.00E+00	1.66E-03	2.89E-04
4870	499664.1	3732325	1.69E-03	0.00E+00	1.69E-03	2.94E-04
4871	499673.9	3732324	1.72E-03	0.00E+00	1.72E-03	2.99E-04
4872	499683.7	3732323	1.74E-03	0.00E+00	1.74E-03	3.04E-04
4873	499693.5	3732322	1.77E-03	0.00E+00	1.77E-03	3.09E-04
4874	499703.2	3732321	1.80E-03	0.00E+00	1.80E-03	3.14E-04
4875	499713	3732320	1.84E-03	0.00E+00	1.84E-03	3.20E-04
4876	499722.8	3732319	1.87E-03	0.00E+00	1.87E-03	3.25E-04
4877	499732.6	3732318	1.90E-03	0.00E+00	1.90E-03	3.31E-04
4878	499742.3	3732317	1.93E-03	0.00E+00	1.93E-03	3.37E-04
4879	499752.1	3732316	1.97E-03	0.00E+00	1.97E-03	3.43E-04
4880	499761.9	3732315	2.00E-03	0.00E+00	2.00E-03	3.49E-04
4881	499771.7	3732314	2.04E-03	0.00E+00	2.04E-03	3.55E-04

4882	499781.4	3732313	2.07E-03	0.00E+00	2.07E-03	3.61E-04
4883	499791.2	3732312	2.11E-03	0.00E+00	2.11E-03	3.67E-04
4884	499801	3732311	2.15E-03	0.00E+00	2.15E-03	3.74E-04
4885	499810.8	3732310	2.18E-03	0.00E+00	2.18E-03	3.80E-04
4886	499820.5	3732309	2.22E-03	0.00E+00	2.22E-03	3.87E-04
4887	499830.3	3732308	2.26E-03	0.00E+00	2.26E-03	3.94E-04
4888	499840.1	3732307	2.30E-03	0.00E+00	2.30E-03	4.01E-04
4889	499849.9	3732307	2.34E-03	0.00E+00	2.34E-03	4.07E-04
4890	499859.6	3732306	2.38E-03	0.00E+00	2.38E-03	4.14E-04
4891	499869.4	3732305	2.42E-03	0.00E+00	2.42E-03	4.22E-04
4892	499879.2	3732304	2.46E-03	0.00E+00	2.46E-03	4.29E-04
4893	499889	3732303	2.50E-03	0.00E+00	2.50E-03	4.36E-04
4894	499898.7	3732302	2.54E-03	0.00E+00	2.54E-03	4.43E-04
4895	499908.5	3732301	2.58E-03	0.00E+00	2.58E-03	4.50E-04
4896	499918.3	3732300	2.63E-03	0.00E+00	2.63E-03	4.58E-04
4897	499928.1	3732299	2.67E-03	0.00E+00	2.67E-03	4.65E-04
4898	499937.8	3732298	2.71E-03	0.00E+00	2.71E-03	4.72E-04
4899	499947.6	3732297	2.75E-03	0.00E+00	2.75E-03	4.80E-04
4900	499957.4	3732296	2.80E-03	0.00E+00	2.80E-03	4.87E-04
4901	499967.2	3732295	2.84E-03	0.00E+00	2.84E-03	4.94E-04
4902	499976.9	3732294	2.88E-03	0.00E+00	2.88E-03	5.02E-04
4903	499986.7	3732293	2.92E-03	0.00E+00	2.92E-03	5.09E-04
4904	499996.5	3732292	2.96E-03	0.00E+00	2.96E-03	5.16E-04
4905	500006.3	3732291	3.00E-03	0.00E+00	3.00E-03	5.23E-04
4906	500016	3732290	3.04E-03	0.00E+00	3.04E-03	5.30E-04
4907	500025.8	3732289	3.08E-03	0.00E+00	3.08E-03	5.37E-04
4908	500035.6	3732288	3.12E-03	0.00E+00	3.12E-03	5.44E-04
4909	500045.4	3732288	3.16E-03	0.00E+00	3.16E-03	5.50E-04
4910	500055.1	3732287	3.20E-03	0.00E+00	3.20E-03	5.57E-04
4911	500064.9	3732286	3.23E-03	0.00E+00	3.23E-03	5.63E-04
4912	500074.7	3732285	3.27E-03	0.00E+00	3.27E-03	5.70E-04
4913	500084.5	3732284	3.30E-03	0.00E+00	3.30E-03	5.76E-04
4914	500094.2	3732283	3.34E-03	0.00E+00	3.34E-03	5.81E-04
4915	500104	3732282	3.37E-03	0.00E+00	3.37E-03	5.87E-04
4916	500113.8	3732281	3.40E-03	0.00E+00	3.40E-03	5.93E-04
4917	500123.6	3732280	3.43E-03	0.00E+00	3.43E-03	5.98E-04
4918	499109.5	3732961	1.18E-03	0.00E+00	1.18E-03	2.06E-04
4919	499109.4	3732971	1.19E-03	0.00E+00	1.19E-03	2.08E-04
4920	499109.4	3732981	1.20E-03	0.00E+00	1.20E-03	2.09E-04
4921	499109.4	3732991	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4922	499109.4	3733000	1.22E-03	0.00E+00	1.22E-03	2.12E-04
4923	499109.4	3733010	1.23E-03	0.00E+00	1.23E-03	2.13E-04
4924	499109.3	3733020	1.23E-03	0.00E+00	1.23E-03	2.15E-04
4925	499109.3	3733030	1.24E-03	0.00E+00	1.24E-03	2.16E-04
4926	499109.3	3733040	1.25E-03	0.00E+00	1.25E-03	2.18E-04
4927	499109.3	3733050	1.26E-03	0.00E+00	1.26E-03	2.19E-04
4928	499109.3	3733060	1.27E-03	0.00E+00	1.27E-03	2.21E-04

4929	499109.2	3733070	1.28E-03	0.00E+00	1.28E-03	2.22E-04
4930	499109.2	3733080	1.29E-03	0.00E+00	1.29E-03	2.24E-04
4931	499109.2	3733090	1.29E-03	0.00E+00	1.29E-03	2.25E-04
4932	499109.2	3733100	1.30E-03	0.00E+00	1.30E-03	2.27E-04
4933	499109.2	3733110	1.31E-03	0.00E+00	1.31E-03	2.29E-04
4934	499109.1	3733120	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4935	499109.1	3733129	1.33E-03	0.00E+00	1.33E-03	2.32E-04
4936	499109.1	3733139	1.34E-03	0.00E+00	1.34E-03	2.33E-04
4937	499109.1	3733149	1.35E-03	0.00E+00	1.35E-03	2.35E-04
4938	499109	3733159	1.36E-03	0.00E+00	1.36E-03	2.36E-04
4939	499109	3733169	1.37E-03	0.00E+00	1.37E-03	2.38E-04
4940	499109	3733179	1.37E-03	0.00E+00	1.37E-03	2.40E-04
4941	499109	3733189	1.38E-03	0.00E+00	1.38E-03	2.41E-04
4942	499109	3733199	1.39E-03	0.00E+00	1.39E-03	2.43E-04
4943	499108.9	3733209	1.40E-03	0.00E+00	1.40E-03	2.44E-04
4944	499108.9	3733219	1.41E-03	0.00E+00	1.41E-03	2.46E-04
4945	499108.9	3733229	1.42E-03	0.00E+00	1.42E-03	2.48E-04
4946	499108.9	3733239	1.43E-03	0.00E+00	1.43E-03	2.49E-04
4947	499108.9	3733249	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4948	499108.8	3733258	1.45E-03	0.00E+00	1.45E-03	2.52E-04
4949	499108.8	3733268	1.46E-03	0.00E+00	1.46E-03	2.54E-04
4950	499108.8	3733278	1.47E-03	0.00E+00	1.47E-03	2.56E-04
4951	499074.1	3732952	1.11E-03	0.00E+00	1.11E-03	1.94E-04
4952	499078.7	3732943	1.11E-03	0.00E+00	1.11E-03	1.94E-04
4953	499083.4	3732935	1.12E-03	0.00E+00	1.12E-03	1.94E-04
4954	499088	3732926	1.12E-03	0.00E+00	1.12E-03	1.95E-04
4955	499092.6	3732918	1.12E-03	0.00E+00	1.12E-03	1.95E-04
4956	499097.3	3732909	1.12E-03	0.00E+00	1.12E-03	1.95E-04
4957	499101.9	3732900	1.12E-03	0.00E+00	1.12E-03	1.96E-04
4958	499106.6	3732892	1.12E-03	0.00E+00	1.12E-03	1.96E-04
4959	499111.2	3732883	1.13E-03	0.00E+00	1.13E-03	1.96E-04
4960	499115.8	3732874	1.13E-03	0.00E+00	1.13E-03	1.96E-04
4961	499120.5	3732866	1.13E-03	0.00E+00	1.13E-03	1.97E-04
4962	499125.1	3732857	1.13E-03	0.00E+00	1.13E-03	1.97E-04
4963	499129.7	3732848	1.13E-03	0.00E+00	1.13E-03	1.97E-04
4964	499134.4	3732840	1.13E-03	0.00E+00	1.13E-03	1.98E-04
4965	499139	3732831	1.14E-03	0.00E+00	1.14E-03	1.98E-04
4966	499143.6	3732823	1.14E-03	0.00E+00	1.14E-03	1.98E-04
4967	499148.3	3732814	1.14E-03	0.00E+00	1.14E-03	1.98E-04
4968	499152.9	3732805	1.14E-03	0.00E+00	1.14E-03	1.99E-04
4969	499157.5	3732797	1.14E-03	0.00E+00	1.14E-03	1.99E-04
4970	499273.4	3732581	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4971	499278.1	3732572	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4972	499282.7	3732564	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4973	499287.3	3732555	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4974	499292	3732546	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4975	499296.6	3732538	1.16E-03	0.00E+00	1.16E-03	2.02E-04

4976	499301.2	3732529	1.16E-03	0.00E+00	1.16E-03	2.02E-04
4977	499305.9	3732520	1.16E-03	0.00E+00	1.16E-03	2.01E-04
4978	499310.5	3732512	1.16E-03	0.00E+00	1.16E-03	2.01E-04
4979	499315.2	3732503	1.15E-03	0.00E+00	1.15E-03	2.01E-04
4980	499426.9	3732312	1.13E-03	0.00E+00	1.13E-03	1.98E-04
4981	499436.6	3732311	1.15E-03	0.00E+00	1.15E-03	2.00E-04
4982	499446.4	3732310	1.16E-03	0.00E+00	1.16E-03	2.03E-04
4983	499456.2	3732309	1.18E-03	0.00E+00	1.18E-03	2.06E-04
4984	499465.9	3732308	1.20E-03	0.00E+00	1.20E-03	2.08E-04
4985	499475.7	3732307	1.21E-03	0.00E+00	1.21E-03	2.11E-04
4986	499485.4	3732306	1.23E-03	0.00E+00	1.23E-03	2.14E-04
4987	499495.2	3732306	1.25E-03	0.00E+00	1.25E-03	2.17E-04
4988	499504.9	3732305	1.26E-03	0.00E+00	1.26E-03	2.20E-04
4989	499514.7	3732304	1.28E-03	0.00E+00	1.28E-03	2.23E-04
4990	499524.4	3732303	1.30E-03	0.00E+00	1.30E-03	2.26E-04
4991	499534.2	3732302	1.32E-03	0.00E+00	1.32E-03	2.30E-04
4992	499543.9	3732301	1.34E-03	0.00E+00	1.34E-03	2.33E-04
4993	499553.7	3732300	1.36E-03	0.00E+00	1.36E-03	2.36E-04
4994	499563.4	3732299	1.38E-03	0.00E+00	1.38E-03	2.40E-04
4995	499573.2	3732298	1.40E-03	0.00E+00	1.40E-03	2.43E-04
4996	499583	3732297	1.42E-03	0.00E+00	1.42E-03	2.47E-04
4997	499592.7	3732296	1.44E-03	0.00E+00	1.44E-03	2.51E-04
4998	499602.5	3732295	1.46E-03	0.00E+00	1.46E-03	2.55E-04
4999	499612.2	3732294	1.48E-03	0.00E+00	1.48E-03	2.59E-04
5000	499622	3732293	1.51E-03	0.00E+00	1.51E-03	2.63E-04
5001	499631.7	3732292	1.53E-03	0.00E+00	1.53E-03	2.67E-04
5002	499641.5	3732291	1.56E-03	0.00E+00	1.56E-03	2.71E-04
5003	499651.2	3732290	1.58E-03	0.00E+00	1.58E-03	2.75E-04
5004	499661	3732289	1.61E-03	0.00E+00	1.61E-03	2.80E-04
5005	499670.7	3732288	1.63E-03	0.00E+00	1.63E-03	2.84E-04
5006	499680.5	3732288	1.66E-03	0.00E+00	1.66E-03	2.89E-04
5007	499690.2	3732287	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5008	499700	3732286	1.71E-03	0.00E+00	1.71E-03	2.99E-04
5009	499709.8	3732285	1.74E-03	0.00E+00	1.74E-03	3.04E-04
5010	499719.5	3732284	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5011	499729.3	3732283	1.80E-03	0.00E+00	1.80E-03	3.14E-04
5012	499739	3732282	1.83E-03	0.00E+00	1.83E-03	3.19E-04
5013	499748.8	3732281	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5014	499758.5	3732280	1.89E-03	0.00E+00	1.89E-03	3.30E-04
5015	499768.3	3732279	1.92E-03	0.00E+00	1.92E-03	3.35E-04
5016	499778	3732278	1.96E-03	0.00E+00	1.96E-03	3.41E-04
5017	499787.8	3732277	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5018	499797.5	3732276	2.02E-03	0.00E+00	2.02E-03	3.53E-04
5019	499807.3	3732275	2.06E-03	0.00E+00	2.06E-03	3.59E-04
5020	499817.1	3732274	2.09E-03	0.00E+00	2.09E-03	3.65E-04
5021	499826.8	3732273	2.13E-03	0.00E+00	2.13E-03	3.71E-04
5022	499836.6	3732272	2.16E-03	0.00E+00	2.16E-03	3.77E-04

5023	499846.3	3732271	2.20E-03	0.00E+00	2.20E-03	3.83E-04
5024	499856.1	3732270	2.24E-03	0.00E+00	2.24E-03	3.90E-04
5025	499865.8	3732270	2.27E-03	0.00E+00	2.27E-03	3.96E-04
5026	499875.6	3732269	2.31E-03	0.00E+00	2.31E-03	4.02E-04
5027	499885.3	3732268	2.35E-03	0.00E+00	2.35E-03	4.09E-04
5028	499895.1	3732267	2.38E-03	0.00E+00	2.38E-03	4.15E-04
5029	499904.8	3732266	2.42E-03	0.00E+00	2.42E-03	4.22E-04
5030	499914.6	3732265	2.46E-03	0.00E+00	2.46E-03	4.29E-04
5031	499924.3	3732264	2.50E-03	0.00E+00	2.50E-03	4.35E-04
5032	499934.1	3732263	2.54E-03	0.00E+00	2.54E-03	4.42E-04
5033	499943.9	3732262	2.57E-03	0.00E+00	2.57E-03	4.49E-04
5034	499953.6	3732261	2.61E-03	0.00E+00	2.61E-03	4.55E-04
5035	499963.4	3732260	2.65E-03	0.00E+00	2.65E-03	4.62E-04
5036	499973.1	3732259	2.69E-03	0.00E+00	2.69E-03	4.68E-04
5037	499982.9	3732258	2.73E-03	0.00E+00	2.73E-03	4.75E-04
5038	499992.6	3732257	2.76E-03	0.00E+00	2.76E-03	4.82E-04
5039	500002.4	3732256	2.80E-03	0.00E+00	2.80E-03	4.88E-04
5040	500012.1	3732255	2.84E-03	0.00E+00	2.84E-03	4.94E-04
5041	500021.9	3732254	2.87E-03	0.00E+00	2.87E-03	5.01E-04
5042	500031.6	3732253	2.91E-03	0.00E+00	2.91E-03	5.07E-04
5043	500041.4	3732252	2.94E-03	0.00E+00	2.94E-03	5.13E-04
5044	500051.2	3732252	2.98E-03	0.00E+00	2.98E-03	5.19E-04
5045	500060.9	3732251	3.01E-03	0.00E+00	3.01E-03	5.25E-04
5046	500070.7	3732250	3.05E-03	0.00E+00	3.05E-03	5.31E-04
5047	500080.4	3732249	3.08E-03	0.00E+00	3.08E-03	5.37E-04
5048	500090.2	3732248	3.11E-03	0.00E+00	3.11E-03	5.42E-04
5049	500099.9	3732247	3.14E-03	0.00E+00	3.14E-03	5.47E-04
5050	500109.7	3732246	3.17E-03	0.00E+00	3.17E-03	5.53E-04
5051	500119.4	3732245	3.20E-03	0.00E+00	3.20E-03	5.58E-04
5052	500129.2	3732244	3.23E-03	0.00E+00	3.23E-03	5.63E-04
5053	500138.9	3732243	3.26E-03	0.00E+00	3.26E-03	5.67E-04
5054	499068.8	3733268	1.35E-03	0.00E+00	1.35E-03	2.36E-04
5055	499068.8	3733278	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5056	499034.2	3732952	1.04E-03	0.00E+00	1.04E-03	1.82E-04
5057	499038.8	3732943	1.05E-03	0.00E+00	1.05E-03	1.82E-04
5058	499043.5	3732934	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5059	499048.2	3732926	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5060	499052.9	3732917	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5061	499057.6	3732908	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5062	499062.3	3732900	1.05E-03	0.00E+00	1.05E-03	1.84E-04
5063	499067	3732891	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5064	499071.6	3732882	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5065	499076.3	3732873	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5066	499081	3732865	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5067	499085.7	3732856	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5068	499090.4	3732847	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5069	499095.1	3732838	1.06E-03	0.00E+00	1.06E-03	1.86E-04

5070	499099.8	3732830	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5071	499104.4	3732821	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5072	499109.1	3732812	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5073	499113.8	3732804	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5074	499118.5	3732795	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5075	499123.2	3732786	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5076	499127.9	3732777	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5077	499273.1	3732507	1.09E-03	0.00E+00	1.09E-03	1.90E-04
5078	499277.8	3732498	1.09E-03	0.00E+00	1.09E-03	1.90E-04
5079	499424.5	3732277	1.09E-03	0.00E+00	1.09E-03	1.91E-04
5080	499434.4	3732276	1.11E-03	0.00E+00	1.11E-03	1.93E-04
5081	499444.3	3732275	1.12E-03	0.00E+00	1.12E-03	1.96E-04
5082	499454.1	3732274	1.14E-03	0.00E+00	1.14E-03	1.98E-04
5083	499464	3732273	1.15E-03	0.00E+00	1.15E-03	2.01E-04
5084	499473.8	3732272	1.17E-03	0.00E+00	1.17E-03	2.03E-04
5085	499483.7	3732271	1.18E-03	0.00E+00	1.18E-03	2.06E-04
5086	499493.6	3732270	1.20E-03	0.00E+00	1.20E-03	2.09E-04
5087	499503.4	3732269	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5088	499513.3	3732268	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5089	499523.1	3732267	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5090	499533	3732266	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5091	499542.9	3732265	1.29E-03	0.00E+00	1.29E-03	2.24E-04
5092	499552.7	3732265	1.30E-03	0.00E+00	1.30E-03	2.27E-04
5093	499562.6	3732264	1.32E-03	0.00E+00	1.32E-03	2.31E-04
5094	499572.4	3732263	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5095	499582.3	3732262	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5096	499592.2	3732261	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5097	499602	3732260	1.40E-03	0.00E+00	1.40E-03	2.45E-04
5098	499611.9	3732259	1.43E-03	0.00E+00	1.43E-03	2.48E-04
5099	499621.7	3732258	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5100	499631.6	3732257	1.47E-03	0.00E+00	1.47E-03	2.56E-04
5101	499641.5	3732256	1.49E-03	0.00E+00	1.49E-03	2.60E-04
5102	499651.3	3732255	1.52E-03	0.00E+00	1.52E-03	2.64E-04
5103	499661.2	3732254	1.54E-03	0.00E+00	1.54E-03	2.68E-04
5104	499671	3732253	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5105	499680.9	3732252	1.59E-03	0.00E+00	1.59E-03	2.77E-04
5106	499690.8	3732251	1.61E-03	0.00E+00	1.61E-03	2.81E-04
5107	499700.6	3732250	1.64E-03	0.00E+00	1.64E-03	2.86E-04
5108	499710.5	3732249	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5109	499720.3	3732248	1.69E-03	0.00E+00	1.69E-03	2.95E-04
5110	499730.2	3732247	1.72E-03	0.00E+00	1.72E-03	3.00E-04
5111	499740.1	3732246	1.75E-03	0.00E+00	1.75E-03	3.05E-04
5112	499749.9	3732245	1.78E-03	0.00E+00	1.78E-03	3.10E-04
5113	499759.8	3732244	1.81E-03	0.00E+00	1.81E-03	3.15E-04
5114	499769.6	3732243	1.84E-03	0.00E+00	1.84E-03	3.20E-04
5115	499779.5	3732242	1.87E-03	0.00E+00	1.87E-03	3.25E-04
5116	499789.4	3732242	1.90E-03	0.00E+00	1.90E-03	3.31E-04

5117	499799.2	3732241	1.93E-03	0.00E+00	1.93E-03	3.36E-04
5118	499809.1	3732240	1.96E-03	0.00E+00	1.96E-03	3.42E-04
5119	499818.9	3732239	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5120	499828.8	3732238	2.03E-03	0.00E+00	2.03E-03	3.53E-04
5121	499838.7	3732237	2.06E-03	0.00E+00	2.06E-03	3.59E-04
5122	499848.5	3732236	2.09E-03	0.00E+00	2.09E-03	3.65E-04
5123	499858.4	3732235	2.13E-03	0.00E+00	2.13E-03	3.70E-04
5124	499868.2	3732234	2.16E-03	0.00E+00	2.16E-03	3.76E-04
5125	499878.1	3732233	2.19E-03	0.00E+00	2.19E-03	3.82E-04
5126	499888	3732232	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5127	499897.8	3732231	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5128	499907.7	3732230	2.30E-03	0.00E+00	2.30E-03	4.00E-04
5129	499917.5	3732229	2.33E-03	0.00E+00	2.33E-03	4.07E-04
5130	499927.4	3732228	2.37E-03	0.00E+00	2.37E-03	4.13E-04
5131	499937.3	3732227	2.40E-03	0.00E+00	2.40E-03	4.19E-04
5132	499947.1	3732226	2.44E-03	0.00E+00	2.44E-03	4.25E-04
5133	499957	3732225	2.47E-03	0.00E+00	2.47E-03	4.31E-04
5134	499966.8	3732224	2.51E-03	0.00E+00	2.51E-03	4.37E-04
5135	499976.7	3732223	2.54E-03	0.00E+00	2.54E-03	4.43E-04
5136	499986.6	3732222	2.58E-03	0.00E+00	2.58E-03	4.49E-04
5137	499996.4	3732221	2.61E-03	0.00E+00	2.61E-03	4.55E-04
5138	500006.3	3732220	2.65E-03	0.00E+00	2.65E-03	4.61E-04
5139	500016.1	3732219	2.68E-03	0.00E+00	2.68E-03	4.67E-04
5140	500026	3732219	2.71E-03	0.00E+00	2.71E-03	4.73E-04
5141	500035.9	3732218	2.75E-03	0.00E+00	2.75E-03	4.79E-04
5142	500045.7	3732217	2.78E-03	0.00E+00	2.78E-03	4.84E-04
5143	500055.6	3732216	2.81E-03	0.00E+00	2.81E-03	4.90E-04
5144	500065.4	3732215	2.84E-03	0.00E+00	2.84E-03	4.96E-04
5145	500075.3	3732214	2.87E-03	0.00E+00	2.87E-03	5.01E-04
5146	500085.2	3732213	2.90E-03	0.00E+00	2.90E-03	5.06E-04
5147	500095	3732212	2.93E-03	0.00E+00	2.93E-03	5.11E-04
5148	500104.9	3732211	2.96E-03	0.00E+00	2.96E-03	5.16E-04
5149	500114.7	3732210	2.99E-03	0.00E+00	2.99E-03	5.21E-04
5150	500124.6	3732209	3.02E-03	0.00E+00	3.02E-03	5.26E-04
5151	500134.5	3732208	3.04E-03	0.00E+00	3.04E-03	5.30E-04
5152	500144.3	3732207	3.07E-03	0.00E+00	3.07E-03	5.35E-04
5153	500154.2	3732206	3.09E-03	0.00E+00	3.09E-03	5.39E-04
5154	499028.8	3733268	1.26E-03	0.00E+00	1.26E-03	2.20E-04
5155	499028.8	3733278	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5156	498994.1	3732952	9.84E-04	0.00E+00	9.84E-04	1.71E-04
5157	498998.8	3732943	9.86E-04	0.00E+00	9.86E-04	1.72E-04
5158	499003.5	3732934	9.87E-04	0.00E+00	9.87E-04	1.72E-04
5159	499008.2	3732926	9.88E-04	0.00E+00	9.88E-04	1.72E-04
5160	499012.8	3732917	9.90E-04	0.00E+00	9.90E-04	1.72E-04
5161	499017.5	3732908	9.91E-04	0.00E+00	9.91E-04	1.73E-04
5162	499022.2	3732900	9.93E-04	0.00E+00	9.93E-04	1.73E-04
5163	499026.9	3732891	9.94E-04	0.00E+00	9.94E-04	1.73E-04

5164	499031.5	3732882	9.96E-04	0.00E+00	9.96E-04	1.73E-04
5165	499036.2	3732873	9.97E-04	0.00E+00	9.97E-04	1.74E-04
5166	499040.9	3732865	9.98E-04	0.00E+00	9.98E-04	1.74E-04
5167	499045.6	3732856	1.00E-03	0.00E+00	1.00E-03	1.74E-04
5168	499050.2	3732847	1.00E-03	0.00E+00	1.00E-03	1.74E-04
5169	499054.9	3732839	1.00E-03	0.00E+00	1.00E-03	1.75E-04
5170	499059.6	3732830	1.00E-03	0.00E+00	1.00E-03	1.75E-04
5171	499064.3	3732821	1.01E-03	0.00E+00	1.01E-03	1.75E-04
5172	499068.9	3732813	1.01E-03	0.00E+00	1.01E-03	1.75E-04
5173	499073.6	3732804	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5174	499078.3	3732795	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5175	499083	3732786	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5176	499087.6	3732778	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5177	499092.3	3732769	1.01E-03	0.00E+00	1.01E-03	1.77E-04
5178	499422	3732242	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5179	499431.8	3732241	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5180	499441.6	3732240	1.08E-03	0.00E+00	1.08E-03	1.89E-04
5181	499451.5	3732239	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5182	499461.3	3732238	1.11E-03	0.00E+00	1.11E-03	1.93E-04
5183	499471.2	3732237	1.12E-03	0.00E+00	1.12E-03	1.96E-04
5184	499481	3732236	1.14E-03	0.00E+00	1.14E-03	1.98E-04
5185	499490.8	3732235	1.15E-03	0.00E+00	1.15E-03	2.01E-04
5186	499500.7	3732234	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5187	499510.5	3732233	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5188	499520.3	3732232	1.20E-03	0.00E+00	1.20E-03	2.09E-04
5189	499530.2	3732231	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5190	499540	3732230	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5191	499549.8	3732229	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5192	499559.7	3732228	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5193	499569.5	3732227	1.29E-03	0.00E+00	1.29E-03	2.24E-04
5194	499579.4	3732226	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5195	499589.2	3732226	1.32E-03	0.00E+00	1.32E-03	2.31E-04
5196	499599	3732225	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5197	499608.9	3732224	1.36E-03	0.00E+00	1.36E-03	2.38E-04
5198	499618.7	3732223	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5199	499628.5	3732222	1.40E-03	0.00E+00	1.40E-03	2.45E-04
5200	499638.4	3732221	1.43E-03	0.00E+00	1.43E-03	2.48E-04
5201	499648.2	3732220	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5202	499658	3732219	1.47E-03	0.00E+00	1.47E-03	2.56E-04
5203	499667.9	3732218	1.49E-03	0.00E+00	1.49E-03	2.60E-04
5204	499677.7	3732217	1.52E-03	0.00E+00	1.52E-03	2.64E-04
5205	499687.6	3732216	1.54E-03	0.00E+00	1.54E-03	2.68E-04
5206	499697.4	3732215	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5207	499707.2	3732214	1.59E-03	0.00E+00	1.59E-03	2.77E-04
5208	499717.1	3732213	1.61E-03	0.00E+00	1.61E-03	2.81E-04
5209	499726.9	3732212	1.64E-03	0.00E+00	1.64E-03	2.85E-04
5210	499736.7	3732211	1.66E-03	0.00E+00	1.66E-03	2.90E-04

5211	499746.6	3732210	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5212	499756.4	3732209	1.72E-03	0.00E+00	1.72E-03	2.99E-04
5213	499766.3	3732208	1.74E-03	0.00E+00	1.74E-03	3.04E-04
5214	499776.1	3732207	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5215	499785.9	3732206	1.80E-03	0.00E+00	1.80E-03	3.14E-04
5216	499795.8	3732205	1.83E-03	0.00E+00	1.83E-03	3.18E-04
5217	499805.6	3732204	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5218	499815.4	3732204	1.89E-03	0.00E+00	1.89E-03	3.29E-04
5219	499825.3	3732203	1.92E-03	0.00E+00	1.92E-03	3.34E-04
5220	499835.1	3732202	1.95E-03	0.00E+00	1.95E-03	3.39E-04
5221	499844.9	3732201	1.98E-03	0.00E+00	1.98E-03	3.44E-04
5222	499854.8	3732200	2.01E-03	0.00E+00	2.01E-03	3.50E-04
5223	499864.6	3732199	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5224	499874.5	3732198	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5225	499884.3	3732197	2.10E-03	0.00E+00	2.10E-03	3.66E-04
5226	499894.1	3732196	2.13E-03	0.00E+00	2.13E-03	3.71E-04
5227	499904	3732195	2.16E-03	0.00E+00	2.16E-03	3.77E-04
5228	499913.8	3732194	2.20E-03	0.00E+00	2.20E-03	3.83E-04
5229	499923.6	3732193	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5230	499933.5	3732192	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5231	499943.3	3732191	2.29E-03	0.00E+00	2.29E-03	3.99E-04
5232	499953.1	3732190	2.32E-03	0.00E+00	2.32E-03	4.05E-04
5233	499963	3732189	2.36E-03	0.00E+00	2.36E-03	4.11E-04
5234	499972.8	3732188	2.39E-03	0.00E+00	2.39E-03	4.16E-04
5235	499982.7	3732187	2.42E-03	0.00E+00	2.42E-03	4.22E-04
5236	499992.5	3732186	2.45E-03	0.00E+00	2.45E-03	4.27E-04
5237	500002.3	3732185	2.48E-03	0.00E+00	2.48E-03	4.33E-04
5238	500012.2	3732184	2.51E-03	0.00E+00	2.51E-03	4.38E-04
5239	500022	3732183	2.54E-03	0.00E+00	2.54E-03	4.43E-04
5240	500031.8	3732182	2.58E-03	0.00E+00	2.58E-03	4.49E-04
5241	500041.7	3732182	2.61E-03	0.00E+00	2.61E-03	4.54E-04
5242	500051.5	3732181	2.64E-03	0.00E+00	2.64E-03	4.59E-04
5243	500061.3	3732180	2.66E-03	0.00E+00	2.66E-03	4.64E-04
5244	500071.2	3732179	2.69E-03	0.00E+00	2.69E-03	4.69E-04
5245	500081	3732178	2.72E-03	0.00E+00	2.72E-03	4.74E-04
5246	498988.8	3733268	1.18E-03	0.00E+00	1.18E-03	2.06E-04
5247	498988.8	3733278	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5248	498954.1	3732952	9.29E-04	0.00E+00	9.29E-04	1.62E-04
5249	498958.8	3732943	9.30E-04	0.00E+00	9.30E-04	1.62E-04
5250	498963.5	3732934	9.32E-04	0.00E+00	9.32E-04	1.62E-04
5251	498968.1	3732926	9.33E-04	0.00E+00	9.33E-04	1.63E-04
5252	498972.8	3732917	9.34E-04	0.00E+00	9.34E-04	1.63E-04
5253	498977.5	3732908	9.36E-04	0.00E+00	9.36E-04	1.63E-04
5254	498982.1	3732900	9.37E-04	0.00E+00	9.37E-04	1.63E-04
5255	498986.8	3732891	9.38E-04	0.00E+00	9.38E-04	1.63E-04
5256	498991.4	3732882	9.40E-04	0.00E+00	9.40E-04	1.64E-04
5257	498996.1	3732874	9.41E-04	0.00E+00	9.41E-04	1.64E-04

5258	499000.8	3732865	9.42E-04	0.00E+00	9.42E-04	1.64E-04
5259	499005.4	3732856	9.43E-04	0.00E+00	9.43E-04	1.64E-04
5260	499010.1	3732848	9.45E-04	0.00E+00	9.45E-04	1.65E-04
5261	499014.8	3732839	9.46E-04	0.00E+00	9.46E-04	1.65E-04
5262	499019.4	3732830	9.47E-04	0.00E+00	9.47E-04	1.65E-04
5263	499024.1	3732821	9.48E-04	0.00E+00	9.48E-04	1.65E-04
5264	499028.8	3732813	9.50E-04	0.00E+00	9.50E-04	1.65E-04
5265	499033.4	3732804	9.51E-04	0.00E+00	9.51E-04	1.66E-04
5266	499038.1	3732795	9.52E-04	0.00E+00	9.52E-04	1.66E-04
5267	499042.8	3732787	9.53E-04	0.00E+00	9.53E-04	1.66E-04
5268	499047.4	3732778	9.54E-04	0.00E+00	9.54E-04	1.66E-04
5269	499052.1	3732769	9.56E-04	0.00E+00	9.56E-04	1.67E-04
5270	499056.8	3732761	9.57E-04	0.00E+00	9.57E-04	1.67E-04
5271	499061.4	3732752	9.58E-04	0.00E+00	9.58E-04	1.67E-04
5272	499210.7	3732474	9.72E-04	0.00E+00	9.72E-04	1.69E-04
5273	499215.3	3732465	9.72E-04	0.00E+00	9.72E-04	1.69E-04
5274	499220	3732457	9.71E-04	0.00E+00	9.71E-04	1.69E-04
5275	499224.7	3732448	9.71E-04	0.00E+00	9.71E-04	1.69E-04
5276	499229.3	3732439	9.70E-04	0.00E+00	9.70E-04	1.69E-04
5277	499234	3732430	9.69E-04	0.00E+00	9.69E-04	1.69E-04
5278	499409.5	3732208	1.01E-03	0.00E+00	1.01E-03	1.75E-04
5279	499419.3	3732207	1.02E-03	0.00E+00	1.02E-03	1.77E-04
5280	499429.1	3732206	1.03E-03	0.00E+00	1.03E-03	1.80E-04
5281	499439	3732205	1.04E-03	0.00E+00	1.04E-03	1.82E-04
5282	499448.8	3732204	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5283	499458.6	3732203	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5284	499468.4	3732202	1.08E-03	0.00E+00	1.08E-03	1.89E-04
5285	499478.2	3732201	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5286	499488	3732200	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5287	499497.8	3732199	1.13E-03	0.00E+00	1.13E-03	1.96E-04
5288	499507.7	3732198	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5289	499517.5	3732197	1.16E-03	0.00E+00	1.16E-03	2.01E-04
5290	499527.3	3732196	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5291	499537.1	3732195	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5292	499546.9	3732194	1.20E-03	0.00E+00	1.20E-03	2.10E-04
5293	499556.7	3732193	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5294	499566.6	3732192	1.24E-03	0.00E+00	1.24E-03	2.15E-04
5295	499576.4	3732191	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5296	499586.2	3732190	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5297	499596	3732189	1.29E-03	0.00E+00	1.29E-03	2.25E-04
5298	499605.8	3732188	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5299	499615.6	3732187	1.33E-03	0.00E+00	1.33E-03	2.31E-04
5300	499625.4	3732187	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5301	499635.3	3732186	1.36E-03	0.00E+00	1.36E-03	2.38E-04
5302	499645.1	3732185	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5303	499654.9	3732184	1.41E-03	0.00E+00	1.41E-03	2.45E-04
5304	499664.7	3732183	1.43E-03	0.00E+00	1.43E-03	2.48E-04

5305	499674.5	3732182	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5306	499684.3	3732181	1.47E-03	0.00E+00	1.47E-03	2.56E-04
5307	499694.2	3732180	1.49E-03	0.00E+00	1.49E-03	2.60E-04
5308	499704	3732179	1.51E-03	0.00E+00	1.51E-03	2.64E-04
5309	500165.3	3732134	2.76E-03	0.00E+00	2.76E-03	4.82E-04
5310	500175.1	3732133	2.78E-03	0.00E+00	2.78E-03	4.85E-04
5311	500184.9	3732132	2.80E-03	0.00E+00	2.80E-03	4.88E-04
5312	498948.8	3733268	1.11E-03	0.00E+00	1.11E-03	1.93E-04
5313	498948.8	3733278	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5314	498918.4	3732952	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5315	498923.1	3732943	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5316	498927.8	3732934	8.87E-04	0.00E+00	8.87E-04	1.54E-04
5317	498932.5	3732925	8.88E-04	0.00E+00	8.88E-04	1.55E-04
5318	498937.2	3732917	8.89E-04	0.00E+00	8.89E-04	1.55E-04
5319	498941.9	3732908	8.90E-04	0.00E+00	8.90E-04	1.55E-04
5320	498946.6	3732899	8.91E-04	0.00E+00	8.91E-04	1.55E-04
5321	498951.2	3732891	8.93E-04	0.00E+00	8.93E-04	1.56E-04
5322	498955.9	3732882	8.94E-04	0.00E+00	8.94E-04	1.56E-04
5323	498960.6	3732873	8.95E-04	0.00E+00	8.95E-04	1.56E-04
5324	498965.3	3732864	8.96E-04	0.00E+00	8.96E-04	1.56E-04
5325	498970	3732856	8.98E-04	0.00E+00	8.98E-04	1.56E-04
5326	498974.7	3732847	8.99E-04	0.00E+00	8.99E-04	1.57E-04
5327	498979.4	3732838	9.00E-04	0.00E+00	9.00E-04	1.57E-04
5328	498984	3732829	9.01E-04	0.00E+00	9.01E-04	1.57E-04
5329	498988.7	3732821	9.02E-04	0.00E+00	9.02E-04	1.57E-04
5330	498993.4	3732812	9.03E-04	0.00E+00	9.03E-04	1.57E-04
5331	498998.1	3732803	9.04E-04	0.00E+00	9.04E-04	1.58E-04
5332	499002.8	3732795	9.06E-04	0.00E+00	9.06E-04	1.58E-04
5333	499007.5	3732786	9.07E-04	0.00E+00	9.07E-04	1.58E-04
5334	499012.2	3732777	9.08E-04	0.00E+00	9.08E-04	1.58E-04
5335	499016.8	3732768	9.09E-04	0.00E+00	9.09E-04	1.58E-04
5336	499021.5	3732760	9.10E-04	0.00E+00	9.10E-04	1.59E-04
5337	499026.2	3732751	9.11E-04	0.00E+00	9.11E-04	1.59E-04
5338	499030.9	3732742	9.12E-04	0.00E+00	9.12E-04	1.59E-04
5339	499119.9	3732576	9.27E-04	0.00E+00	9.27E-04	1.61E-04
5340	499124.6	3732568	9.27E-04	0.00E+00	9.27E-04	1.62E-04
5341	499129.3	3732559	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5342	499134	3732550	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5343	499138.7	3732541	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5344	499171.5	3732480	9.28E-04	0.00E+00	9.28E-04	1.62E-04
5345	499176.2	3732472	9.27E-04	0.00E+00	9.27E-04	1.62E-04
5346	499180.9	3732463	9.27E-04	0.00E+00	9.27E-04	1.62E-04
5347	499185.6	3732454	9.27E-04	0.00E+00	9.27E-04	1.61E-04
5348	499190.2	3732445	9.26E-04	0.00E+00	9.26E-04	1.61E-04
5349	499194.9	3732437	9.26E-04	0.00E+00	9.26E-04	1.61E-04
5350	499199.6	3732428	9.25E-04	0.00E+00	9.25E-04	1.61E-04
5351	499823.9	3732136	1.75E-03	0.00E+00	1.75E-03	3.04E-04

5352	499833.7	3732135	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5353	499843.6	3732134	1.80E-03	0.00E+00	1.80E-03	3.13E-04
5354	499853.4	3732133	1.82E-03	0.00E+00	1.82E-03	3.18E-04
5355	499863.3	3732132	1.85E-03	0.00E+00	1.85E-03	3.22E-04
5356	499873.2	3732131	1.88E-03	0.00E+00	1.88E-03	3.27E-04
5357	499883	3732130	1.90E-03	0.00E+00	1.90E-03	3.32E-04
5358	499892.9	3732129	1.93E-03	0.00E+00	1.93E-03	3.36E-04
5359	499902.7	3732128	1.96E-03	0.00E+00	1.96E-03	3.41E-04
5360	499912.6	3732127	1.98E-03	0.00E+00	1.98E-03	3.46E-04
5361	499922.5	3732126	2.01E-03	0.00E+00	2.01E-03	3.51E-04
5362	499932.3	3732125	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5363	499942.2	3732124	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5364	499952	3732123	2.09E-03	0.00E+00	2.09E-03	3.65E-04
5365	499961.9	3732122	2.12E-03	0.00E+00	2.12E-03	3.70E-04
5366	499971.8	3732121	2.15E-03	0.00E+00	2.15E-03	3.74E-04
5367	499981.6	3732120	2.18E-03	0.00E+00	2.18E-03	3.79E-04
5368	499991.5	3732119	2.20E-03	0.00E+00	2.20E-03	3.84E-04
5369	500001.4	3732118	2.23E-03	0.00E+00	2.23E-03	3.89E-04
5370	500011.2	3732117	2.26E-03	0.00E+00	2.26E-03	3.93E-04
5371	500021.1	3732116	2.28E-03	0.00E+00	2.28E-03	3.98E-04
5372	500030.9	3732115	2.31E-03	0.00E+00	2.31E-03	4.03E-04
5373	500040.8	3732115	2.34E-03	0.00E+00	2.34E-03	4.07E-04
5374	500050.7	3732114	2.36E-03	0.00E+00	2.36E-03	4.12E-04
5375	500060.5	3732113	2.39E-03	0.00E+00	2.39E-03	4.16E-04
5376	500070.4	3732112	2.41E-03	0.00E+00	2.41E-03	4.20E-04
5377	500080.2	3732111	2.44E-03	0.00E+00	2.44E-03	4.25E-04
5378	500090.1	3732110	2.46E-03	0.00E+00	2.46E-03	4.29E-04
5379	500100	3732109	2.48E-03	0.00E+00	2.48E-03	4.33E-04
5380	500109.8	3732108	2.51E-03	0.00E+00	2.51E-03	4.37E-04
5381	500119.7	3732107	2.53E-03	0.00E+00	2.53E-03	4.41E-04
5382	500129.5	3732106	2.55E-03	0.00E+00	2.55E-03	4.45E-04
5383	500139.4	3732105	2.57E-03	0.00E+00	2.57E-03	4.48E-04
5384	500149.3	3732104	2.59E-03	0.00E+00	2.59E-03	4.52E-04
5385	500159.1	3732103	2.61E-03	0.00E+00	2.61E-03	4.55E-04
5386	500169	3732102	2.63E-03	0.00E+00	2.63E-03	4.59E-04
5387	500178.8	3732101	2.65E-03	0.00E+00	2.65E-03	4.62E-04
5388	500188.7	3732100	2.67E-03	0.00E+00	2.67E-03	4.65E-04
5389	498913.1	3733268	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5390	498913.1	3733278	1.05E-03	0.00E+00	1.05E-03	1.84E-04
5391	498882.7	3732952	8.43E-04	0.00E+00	8.43E-04	1.47E-04
5392	498887.4	3732943	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5393	498892	3732934	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5394	498896.7	3732926	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5395	498901.3	3732917	8.47E-04	0.00E+00	8.47E-04	1.48E-04
5396	498906	3732908	8.48E-04	0.00E+00	8.48E-04	1.48E-04
5397	498910.6	3732900	8.50E-04	0.00E+00	8.50E-04	1.48E-04
5398	498915.3	3732891	8.51E-04	0.00E+00	8.51E-04	1.48E-04

5399	498919.9	3732882	8.52E-04	0.00E+00	8.52E-04	1.48E-04
5400	498924.6	3732874	8.53E-04	0.00E+00	8.53E-04	1.49E-04
5401	498929.3	3732865	8.54E-04	0.00E+00	8.54E-04	1.49E-04
5402	498933.9	3732856	8.55E-04	0.00E+00	8.55E-04	1.49E-04
5403	498938.6	3732848	8.56E-04	0.00E+00	8.56E-04	1.49E-04
5404	498943.2	3732839	8.57E-04	0.00E+00	8.57E-04	1.49E-04
5405	498947.9	3732830	8.58E-04	0.00E+00	8.58E-04	1.50E-04
5406	498952.5	3732822	8.59E-04	0.00E+00	8.59E-04	1.50E-04
5407	498957.2	3732813	8.60E-04	0.00E+00	8.60E-04	1.50E-04
5408	498961.8	3732804	8.61E-04	0.00E+00	8.61E-04	1.50E-04
5409	498966.5	3732796	8.63E-04	0.00E+00	8.63E-04	1.50E-04
5410	498971.2	3732787	8.64E-04	0.00E+00	8.64E-04	1.50E-04
5411	498975.8	3732778	8.65E-04	0.00E+00	8.65E-04	1.51E-04
5412	498980.5	3732770	8.66E-04	0.00E+00	8.66E-04	1.51E-04
5413	498985.1	3732761	8.67E-04	0.00E+00	8.67E-04	1.51E-04
5414	498989.8	3732752	8.68E-04	0.00E+00	8.68E-04	1.51E-04
5415	498994.4	3732744	8.69E-04	0.00E+00	8.69E-04	1.51E-04
5416	498999.1	3732735	8.70E-04	0.00E+00	8.70E-04	1.52E-04
5417	499003.7	3732726	8.71E-04	0.00E+00	8.71E-04	1.52E-04
5418	499087.6	3732570	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5419	499092.2	3732561	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5420	499096.9	3732553	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5421	499101.5	3732544	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5422	499106.2	3732535	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5423	499110.8	3732527	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5424	499115.5	3732518	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5425	499120.1	3732509	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5426	499124.8	3732501	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5427	499129.5	3732492	8.86E-04	0.00E+00	8.86E-04	1.54E-04
5428	499138.8	3732475	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5429	499143.4	3732466	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5430	499148.1	3732457	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5431	499152.7	3732449	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5432	499157.4	3732440	8.85E-04	0.00E+00	8.85E-04	1.54E-04
5433	499162	3732431	8.84E-04	0.00E+00	8.84E-04	1.54E-04
5434	499507	3732135	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5435	499516.8	3732134	1.09E-03	0.00E+00	1.09E-03	1.89E-04
5436	499526.6	3732133	1.10E-03	0.00E+00	1.10E-03	1.92E-04
5437	499536.4	3732132	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5438	499546.2	3732131	1.13E-03	0.00E+00	1.13E-03	1.97E-04
5439	499555.9	3732130	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5440	499565.7	3732129	1.16E-03	0.00E+00	1.16E-03	2.02E-04
5441	499575.5	3732128	1.17E-03	0.00E+00	1.17E-03	2.05E-04
5442	499585.3	3732127	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5443	499595.1	3732126	1.21E-03	0.00E+00	1.21E-03	2.10E-04
5444	499604.9	3732125	1.22E-03	0.00E+00	1.22E-03	2.13E-04
5445	499614.7	3732124	1.24E-03	0.00E+00	1.24E-03	2.16E-04

5446	499624.5	3732123	1.26E-03	0.00E+00	1.26E-03	2.19E-04
5447	499634.3	3732122	1.27E-03	0.00E+00	1.27E-03	2.22E-04
5448	499644.1	3732121	1.29E-03	0.00E+00	1.29E-03	2.25E-04
5449	499653.9	3732120	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5450	499663.7	3732120	1.33E-03	0.00E+00	1.33E-03	2.31E-04
5451	499673.5	3732119	1.35E-03	0.00E+00	1.35E-03	2.35E-04
5452	499683.3	3732118	1.37E-03	0.00E+00	1.37E-03	2.38E-04
5453	499693.1	3732117	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5454	499702.9	3732116	1.40E-03	0.00E+00	1.40E-03	2.45E-04
5455	499712.7	3732115	1.42E-03	0.00E+00	1.42E-03	2.48E-04
5456	499722.5	3732114	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5457	499732.3	3732113	1.47E-03	0.00E+00	1.47E-03	2.55E-04
5458	499742.1	3732112	1.49E-03	0.00E+00	1.49E-03	2.59E-04
5459	499751.9	3732111	1.51E-03	0.00E+00	1.51E-03	2.63E-04
5460	499761.7	3732110	1.53E-03	0.00E+00	1.53E-03	2.67E-04
5461	499771.5	3732109	1.55E-03	0.00E+00	1.55E-03	2.70E-04
5462	499781.3	3732108	1.57E-03	0.00E+00	1.57E-03	2.74E-04
5463	499791.1	3732107	1.60E-03	0.00E+00	1.60E-03	2.78E-04
5464	499800.9	3732106	1.62E-03	0.00E+00	1.62E-03	2.82E-04
5465	499810.7	3732105	1.64E-03	0.00E+00	1.64E-03	2.86E-04
5466	499820.5	3732104	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5467	499830.3	3732103	1.69E-03	0.00E+00	1.69E-03	2.95E-04
5468	499840.1	3732102	1.71E-03	0.00E+00	1.71E-03	2.99E-04
5469	499849.9	3732101	1.74E-03	0.00E+00	1.74E-03	3.03E-04
5470	499859.6	3732100	1.76E-03	0.00E+00	1.76E-03	3.07E-04
5471	499869.4	3732100	1.79E-03	0.00E+00	1.79E-03	3.12E-04
5472	499879.2	3732099	1.81E-03	0.00E+00	1.81E-03	3.16E-04
5473	499889	3732098	1.84E-03	0.00E+00	1.84E-03	3.20E-04
5474	499898.8	3732097	1.86E-03	0.00E+00	1.86E-03	3.25E-04
5475	499908.6	3732096	1.89E-03	0.00E+00	1.89E-03	3.29E-04
5476	499918.4	3732095	1.91E-03	0.00E+00	1.91E-03	3.33E-04
5477	499928.2	3732094	1.94E-03	0.00E+00	1.94E-03	3.38E-04
5478	499938	3732093	1.96E-03	0.00E+00	1.96E-03	3.42E-04
5479	499947.8	3732092	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5480	499957.6	3732091	2.01E-03	0.00E+00	2.01E-03	3.51E-04
5481	499967.4	3732090	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5482	499977.2	3732089	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5483	499987	3732088	2.09E-03	0.00E+00	2.09E-03	3.64E-04
5484	499996.8	3732087	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5485	500006.6	3732086	2.14E-03	0.00E+00	2.14E-03	3.73E-04
5486	500016.4	3732085	2.16E-03	0.00E+00	2.16E-03	3.77E-04
5487	500026.2	3732084	2.19E-03	0.00E+00	2.19E-03	3.81E-04
5488	500036	3732083	2.21E-03	0.00E+00	2.21E-03	3.86E-04
5489	500045.8	3732082	2.24E-03	0.00E+00	2.24E-03	3.90E-04
5490	500055.6	3732081	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5491	500065.4	3732080	2.28E-03	0.00E+00	2.28E-03	3.98E-04
5492	500075.2	3732080	2.31E-03	0.00E+00	2.31E-03	4.02E-04

5493	500085	3732079	2.33E-03	0.00E+00	2.33E-03	4.06E-04
5494	500094.8	3732078	2.35E-03	0.00E+00	2.35E-03	4.10E-04
5495	500104.6	3732077	2.37E-03	0.00E+00	2.37E-03	4.14E-04
5496	500114.4	3732076	2.40E-03	0.00E+00	2.40E-03	4.17E-04
5497	500124.2	3732075	2.42E-03	0.00E+00	2.42E-03	4.21E-04
5498	500134	3732074	2.44E-03	0.00E+00	2.44E-03	4.25E-04
5499	500143.8	3732073	2.46E-03	0.00E+00	2.46E-03	4.28E-04
5500	500153.6	3732072	2.48E-03	0.00E+00	2.48E-03	4.31E-04
5501	500163.3	3732071	2.49E-03	0.00E+00	2.49E-03	4.35E-04
5502	500173.1	3732070	2.51E-03	0.00E+00	2.51E-03	4.38E-04
5503	500182.9	3732069	2.53E-03	0.00E+00	2.53E-03	4.41E-04
5504	500192.7	3732068	2.55E-03	0.00E+00	2.55E-03	4.44E-04
5505	498877.4	3733268	9.94E-04	0.00E+00	9.94E-04	1.73E-04
5506	498877.4	3733278	9.99E-04	0.00E+00	9.99E-04	1.74E-04
5507	498847	3732952	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5508	498851.7	3732943	8.06E-04	0.00E+00	8.06E-04	1.40E-04
5509	498856.4	3732934	8.07E-04	0.00E+00	8.07E-04	1.41E-04
5510	498861	3732925	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5511	498865.7	3732917	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5512	498870.4	3732908	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5513	498875.1	3732899	8.11E-04	0.00E+00	8.11E-04	1.41E-04
5514	498879.7	3732891	8.12E-04	0.00E+00	8.12E-04	1.41E-04
5515	498884.4	3732882	8.13E-04	0.00E+00	8.13E-04	1.42E-04
5516	498889.1	3732873	8.14E-04	0.00E+00	8.14E-04	1.42E-04
5517	498893.8	3732864	8.15E-04	0.00E+00	8.15E-04	1.42E-04
5518	498898.4	3732856	8.16E-04	0.00E+00	8.16E-04	1.42E-04
5519	498903.1	3732847	8.17E-04	0.00E+00	8.17E-04	1.42E-04
5520	498907.8	3732838	8.18E-04	0.00E+00	8.18E-04	1.42E-04
5521	498912.5	3732830	8.19E-04	0.00E+00	8.19E-04	1.43E-04
5522	498917.1	3732821	8.20E-04	0.00E+00	8.20E-04	1.43E-04
5523	498921.8	3732812	8.21E-04	0.00E+00	8.21E-04	1.43E-04
5524	498926.5	3732803	8.22E-04	0.00E+00	8.22E-04	1.43E-04
5525	498931.2	3732795	8.23E-04	0.00E+00	8.23E-04	1.43E-04
5526	498935.8	3732786	8.24E-04	0.00E+00	8.24E-04	1.44E-04
5527	498940.5	3732777	8.25E-04	0.00E+00	8.25E-04	1.44E-04
5528	498945.2	3732769	8.26E-04	0.00E+00	8.26E-04	1.44E-04
5529	498949.9	3732760	8.27E-04	0.00E+00	8.27E-04	1.44E-04
5530	498954.6	3732751	8.28E-04	0.00E+00	8.28E-04	1.44E-04
5531	498959.2	3732742	8.29E-04	0.00E+00	8.29E-04	1.44E-04
5532	498963.9	3732734	8.30E-04	0.00E+00	8.30E-04	1.45E-04
5533	498968.6	3732725	8.31E-04	0.00E+00	8.31E-04	1.45E-04
5534	498973.3	3732716	8.31E-04	0.00E+00	8.31E-04	1.45E-04
5535	499062.1	3732551	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5536	499066.8	3732542	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5537	499071.5	3732533	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5538	499076.1	3732525	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5539	499080.8	3732516	8.46E-04	0.00E+00	8.46E-04	1.47E-04

5540	499085.5	3732507	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5541	499090.2	3732499	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5542	499094.8	3732490	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5543	499099.5	3732481	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5544	499104.2	3732472	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5545	499108.9	3732464	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5546	499113.5	3732455	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5547	499118.2	3732446	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5548	499122.9	3732438	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5549	499127.6	3732429	8.46E-04	0.00E+00	8.46E-04	1.47E-04
5550	499132.2	3732420	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5551	499136.9	3732412	8.45E-04	0.00E+00	8.45E-04	1.47E-04
5552	499141.6	3732403	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5553	499146.3	3732394	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5554	499286.6	3732133	8.14E-04	0.00E+00	8.14E-04	1.42E-04
5555	499301.1	3732123	8.22E-04	0.00E+00	8.22E-04	1.43E-04
5556	499310.9	3732122	8.30E-04	0.00E+00	8.30E-04	1.45E-04
5557	499320.8	3732121	8.39E-04	0.00E+00	8.39E-04	1.46E-04
5558	499330.6	3732120	8.48E-04	0.00E+00	8.48E-04	1.48E-04
5559	499340.4	3732119	8.57E-04	0.00E+00	8.57E-04	1.49E-04
5560	499350.3	3732118	8.67E-04	0.00E+00	8.67E-04	1.51E-04
5561	499497.9	3732104	1.03E-03	0.00E+00	1.03E-03	1.79E-04
5562	499507.7	3732103	1.04E-03	0.00E+00	1.04E-03	1.82E-04
5563	499517.5	3732102	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5564	499527.4	3732101	1.07E-03	0.00E+00	1.07E-03	1.86E-04
5565	499537.2	3732100	1.08E-03	0.00E+00	1.08E-03	1.89E-04
5566	499547.1	3732099	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5567	499556.9	3732098	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5568	499566.7	3732097	1.13E-03	0.00E+00	1.13E-03	1.96E-04
5569	499576.6	3732096	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5570	499586.4	3732095	1.15E-03	0.00E+00	1.15E-03	2.01E-04
5571	499596.3	3732094	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5572	499606.1	3732093	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5573	499615.9	3732093	1.20E-03	0.00E+00	1.20E-03	2.09E-04
5574	499625.8	3732092	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5575	499635.6	3732091	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5576	499645.5	3732090	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5577	499655.3	3732089	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5578	499665.1	3732088	1.29E-03	0.00E+00	1.29E-03	2.24E-04
5579	499675	3732087	1.30E-03	0.00E+00	1.30E-03	2.27E-04
5580	499684.8	3732086	1.32E-03	0.00E+00	1.32E-03	2.30E-04
5581	499694.7	3732085	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5582	499704.5	3732084	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5583	499714.3	3732083	1.38E-03	0.00E+00	1.38E-03	2.40E-04
5584	499724.2	3732082	1.40E-03	0.00E+00	1.40E-03	2.43E-04
5585	499734	3732081	1.42E-03	0.00E+00	1.42E-03	2.47E-04
5586	499743.9	3732080	1.44E-03	0.00E+00	1.44E-03	2.50E-04

5587	499753.7	3732079	1.46E-03	0.00E+00	1.46E-03	2.54E-04
5588	499763.5	3732078	1.48E-03	0.00E+00	1.48E-03	2.57E-04
5589	499773.4	3732077	1.50E-03	0.00E+00	1.50E-03	2.61E-04
5590	499783.2	3732076	1.52E-03	0.00E+00	1.52E-03	2.65E-04
5591	499793.1	3732075	1.54E-03	0.00E+00	1.54E-03	2.69E-04
5592	499802.9	3732074	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5593	499812.7	3732073	1.58E-03	0.00E+00	1.58E-03	2.76E-04
5594	499822.6	3732072	1.61E-03	0.00E+00	1.61E-03	2.80E-04
5595	499832.4	3732071	1.63E-03	0.00E+00	1.63E-03	2.84E-04
5596	499842.2	3732071	1.65E-03	0.00E+00	1.65E-03	2.88E-04
5597	499852.1	3732070	1.67E-03	0.00E+00	1.67E-03	2.92E-04
5598	499861.9	3732069	1.70E-03	0.00E+00	1.70E-03	2.96E-04
5599	499871.8	3732068	1.72E-03	0.00E+00	1.72E-03	3.00E-04
5600	499881.6	3732067	1.74E-03	0.00E+00	1.74E-03	3.04E-04
5601	499891.4	3732066	1.77E-03	0.00E+00	1.77E-03	3.08E-04
5602	499901.3	3732065	1.79E-03	0.00E+00	1.79E-03	3.12E-04
5603	499911.1	3732064	1.81E-03	0.00E+00	1.81E-03	3.16E-04
5604	499921	3732063	1.84E-03	0.00E+00	1.84E-03	3.20E-04
5605	499930.8	3732062	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5606	499940.6	3732061	1.89E-03	0.00E+00	1.89E-03	3.28E-04
5607	499950.5	3732060	1.91E-03	0.00E+00	1.91E-03	3.33E-04
5608	499960.3	3732059	1.93E-03	0.00E+00	1.93E-03	3.37E-04
5609	499970.2	3732058	1.96E-03	0.00E+00	1.96E-03	3.41E-04
5610	499980	3732057	1.98E-03	0.00E+00	1.98E-03	3.45E-04
5611	499989.8	3732056	2.00E-03	0.00E+00	2.00E-03	3.49E-04
5612	499999.7	3732055	2.03E-03	0.00E+00	2.03E-03	3.53E-04
5613	500009.5	3732054	2.05E-03	0.00E+00	2.05E-03	3.57E-04
5614	500019.4	3732053	2.07E-03	0.00E+00	2.07E-03	3.61E-04
5615	500029.2	3732052	2.10E-03	0.00E+00	2.10E-03	3.65E-04
5616	500039	3732051	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5617	500048.9	3732050	2.14E-03	0.00E+00	2.14E-03	3.73E-04
5618	500058.7	3732049	2.16E-03	0.00E+00	2.16E-03	3.77E-04
5619	500068.6	3732049	2.19E-03	0.00E+00	2.19E-03	3.81E-04
5620	500078.4	3732048	2.21E-03	0.00E+00	2.21E-03	3.85E-04
5621	500088.2	3732047	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5622	500098.1	3732046	2.25E-03	0.00E+00	2.25E-03	3.92E-04
5623	500107.9	3732045	2.27E-03	0.00E+00	2.27E-03	3.95E-04
5624	500117.8	3732044	2.29E-03	0.00E+00	2.29E-03	3.99E-04
5625	500127.6	3732043	2.31E-03	0.00E+00	2.31E-03	4.02E-04
5626	500137.4	3732042	2.33E-03	0.00E+00	2.33E-03	4.06E-04
5627	500147.3	3732041	2.35E-03	0.00E+00	2.35E-03	4.09E-04
5628	500157.1	3732040	2.37E-03	0.00E+00	2.37E-03	4.12E-04
5629	500167	3732039	2.38E-03	0.00E+00	2.38E-03	4.15E-04
5630	500176.8	3732038	2.40E-03	0.00E+00	2.40E-03	4.18E-04
5631	500186.6	3732037	2.42E-03	0.00E+00	2.42E-03	4.21E-04
5632	500196.5	3732036	2.43E-03	0.00E+00	2.43E-03	4.24E-04
5633	498841.7	3733268	9.44E-04	0.00E+00	9.44E-04	1.65E-04

5634	498841.7	3733278	9.49E-04	0.00E+00	9.49E-04	1.65E-04
5635	498811.3	3732951	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5636	498815.9	3732943	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5637	498820.6	3732934	7.72E-04	0.00E+00	7.72E-04	1.34E-04
5638	498825.2	3732926	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5639	498829.9	3732917	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5640	498834.5	3732908	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5641	498839.1	3732900	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5642	498843.8	3732891	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5643	498848.4	3732882	7.77E-04	0.00E+00	7.77E-04	1.35E-04
5644	498853.1	3732874	7.78E-04	0.00E+00	7.78E-04	1.36E-04
5645	498857.7	3732865	7.79E-04	0.00E+00	7.79E-04	1.36E-04
5646	498862.4	3732856	7.80E-04	0.00E+00	7.80E-04	1.36E-04
5647	498867	3732848	7.81E-04	0.00E+00	7.81E-04	1.36E-04
5648	498871.7	3732839	7.81E-04	0.00E+00	7.81E-04	1.36E-04
5649	498876.3	3732830	7.82E-04	0.00E+00	7.82E-04	1.36E-04
5650	498881	3732822	7.83E-04	0.00E+00	7.83E-04	1.36E-04
5651	498885.6	3732813	7.84E-04	0.00E+00	7.84E-04	1.37E-04
5652	498890.3	3732804	7.85E-04	0.00E+00	7.85E-04	1.37E-04
5653	498894.9	3732796	7.86E-04	0.00E+00	7.86E-04	1.37E-04
5654	498899.6	3732787	7.87E-04	0.00E+00	7.87E-04	1.37E-04
5655	498904.2	3732778	7.88E-04	0.00E+00	7.88E-04	1.37E-04
5656	498908.9	3732770	7.89E-04	0.00E+00	7.89E-04	1.37E-04
5657	498913.5	3732761	7.90E-04	0.00E+00	7.90E-04	1.38E-04
5658	498918.2	3732752	7.91E-04	0.00E+00	7.91E-04	1.38E-04
5659	498922.8	3732744	7.91E-04	0.00E+00	7.91E-04	1.38E-04
5660	498927.5	3732735	7.92E-04	0.00E+00	7.92E-04	1.38E-04
5661	498932.1	3732726	7.93E-04	0.00E+00	7.93E-04	1.38E-04
5662	498936.8	3732718	7.94E-04	0.00E+00	7.94E-04	1.38E-04
5663	498941.4	3732709	7.95E-04	0.00E+00	7.95E-04	1.39E-04
5664	498946.1	3732700	7.96E-04	0.00E+00	7.96E-04	1.39E-04
5665	498950.7	3732692	7.97E-04	0.00E+00	7.97E-04	1.39E-04
5666	498955.4	3732683	7.97E-04	0.00E+00	7.97E-04	1.39E-04
5667	498960	3732674	7.98E-04	0.00E+00	7.98E-04	1.39E-04
5668	498964.7	3732666	7.99E-04	0.00E+00	7.99E-04	1.39E-04
5669	498969.3	3732657	8.00E-04	0.00E+00	8.00E-04	1.39E-04
5670	498973.9	3732648	8.01E-04	0.00E+00	8.01E-04	1.39E-04
5671	498978.6	3732640	8.01E-04	0.00E+00	8.01E-04	1.40E-04
5672	498983.2	3732631	8.02E-04	0.00E+00	8.02E-04	1.40E-04
5673	498987.9	3732622	8.03E-04	0.00E+00	8.03E-04	1.40E-04
5674	498992.5	3732614	8.03E-04	0.00E+00	8.03E-04	1.40E-04
5675	498997.2	3732605	8.04E-04	0.00E+00	8.04E-04	1.40E-04
5676	499001.8	3732597	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5677	499006.5	3732588	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5678	499011.1	3732579	8.06E-04	0.00E+00	8.06E-04	1.40E-04
5679	499015.8	3732571	8.06E-04	0.00E+00	8.06E-04	1.41E-04
5680	499020.4	3732562	8.07E-04	0.00E+00	8.07E-04	1.41E-04

5681	499029.7	3732545	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5682	499034.4	3732536	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5683	499039	3732527	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5684	499043.7	3732519	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5685	499048.3	3732510	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5686	499053	3732501	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5687	499057.6	3732493	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5688	499062.3	3732484	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5689	499066.9	3732475	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5690	499071.6	3732467	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5691	499076.2	3732458	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5692	499080.9	3732449	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5693	499085.5	3732441	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5694	499090.2	3732432	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5695	499094.8	3732423	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5696	499099.5	3732415	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5697	499104.1	3732406	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5698	499108.8	3732397	8.09E-04	0.00E+00	8.09E-04	1.41E-04
5699	499113.4	3732389	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5700	499118	3732380	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5701	499122.7	3732371	8.08E-04	0.00E+00	8.08E-04	1.41E-04
5702	499127.3	3732363	8.07E-04	0.00E+00	8.07E-04	1.41E-04
5703	499132	3732354	8.06E-04	0.00E+00	8.06E-04	1.41E-04
5704	499136.6	3732345	8.06E-04	0.00E+00	8.06E-04	1.40E-04
5705	499141.3	3732337	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5706	499145.9	3732328	8.05E-04	0.00E+00	8.05E-04	1.40E-04
5707	499252.8	3732129	7.82E-04	0.00E+00	7.82E-04	1.36E-04
5708	499257.5	3732120	7.81E-04	0.00E+00	7.81E-04	1.36E-04
5709	499262.1	3732112	7.80E-04	0.00E+00	7.80E-04	1.36E-04
5710	499266.8	3732103	7.79E-04	0.00E+00	7.79E-04	1.36E-04
5711	499281.2	3732093	7.85E-04	0.00E+00	7.85E-04	1.37E-04
5712	499291	3732092	7.93E-04	0.00E+00	7.93E-04	1.38E-04
5713	499300.8	3732091	8.01E-04	0.00E+00	8.01E-04	1.40E-04
5714	499310.6	3732091	8.10E-04	0.00E+00	8.10E-04	1.41E-04
5715	499320.3	3732090	8.18E-04	0.00E+00	8.18E-04	1.43E-04
5716	499330.1	3732089	8.27E-04	0.00E+00	8.27E-04	1.44E-04
5717	499339.9	3732088	8.35E-04	0.00E+00	8.35E-04	1.46E-04
5718	499349.7	3732087	8.44E-04	0.00E+00	8.44E-04	1.47E-04
5719	499486.6	3732073	9.88E-04	0.00E+00	9.88E-04	1.72E-04
5720	499496.4	3732072	9.99E-04	0.00E+00	9.99E-04	1.74E-04
5721	499506.2	3732072	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5722	499516	3732071	1.02E-03	0.00E+00	1.02E-03	1.78E-04
5723	499525.7	3732070	1.04E-03	0.00E+00	1.04E-03	1.81E-04
5724	499535.5	3732069	1.05E-03	0.00E+00	1.05E-03	1.83E-04
5725	499545.3	3732068	1.06E-03	0.00E+00	1.06E-03	1.85E-04
5726	499555.1	3732067	1.08E-03	0.00E+00	1.08E-03	1.87E-04
5727	499564.9	3732066	1.09E-03	0.00E+00	1.09E-03	1.90E-04

5728	499574.6	3732065	1.10E-03	0.00E+00	1.10E-03	1.92E-04
5729	499584.4	3732064	1.12E-03	0.00E+00	1.12E-03	1.95E-04
5730	499594.2	3732063	1.13E-03	0.00E+00	1.13E-03	1.97E-04
5731	499604	3732062	1.15E-03	0.00E+00	1.15E-03	2.00E-04
5732	499613.8	3732061	1.16E-03	0.00E+00	1.16E-03	2.02E-04
5733	499623.6	3732060	1.18E-03	0.00E+00	1.18E-03	2.05E-04
5734	499633.3	3732059	1.19E-03	0.00E+00	1.19E-03	2.08E-04
5735	499643.1	3732058	1.21E-03	0.00E+00	1.21E-03	2.10E-04
5736	499652.9	3732057	1.22E-03	0.00E+00	1.22E-03	2.13E-04
5737	499662.7	3732056	1.24E-03	0.00E+00	1.24E-03	2.16E-04
5738	499672.5	3732055	1.26E-03	0.00E+00	1.26E-03	2.19E-04
5739	499682.2	3732054	1.27E-03	0.00E+00	1.27E-03	2.22E-04
5740	499692	3732053	1.29E-03	0.00E+00	1.29E-03	2.25E-04
5741	499701.8	3732053	1.31E-03	0.00E+00	1.31E-03	2.28E-04
5742	499711.6	3732052	1.33E-03	0.00E+00	1.33E-03	2.31E-04
5743	499721.4	3732051	1.34E-03	0.00E+00	1.34E-03	2.34E-04
5744	499731.1	3732050	1.36E-03	0.00E+00	1.36E-03	2.37E-04
5745	499740.9	3732049	1.38E-03	0.00E+00	1.38E-03	2.41E-04
5746	499750.7	3732048	1.40E-03	0.00E+00	1.40E-03	2.44E-04
5747	499760.5	3732047	1.42E-03	0.00E+00	1.42E-03	2.47E-04
5748	499770.3	3732046	1.44E-03	0.00E+00	1.44E-03	2.51E-04
5749	499780	3732045	1.46E-03	0.00E+00	1.46E-03	2.54E-04
5750	499789.8	3732044	1.48E-03	0.00E+00	1.48E-03	2.57E-04
5751	499799.6	3732043	1.50E-03	0.00E+00	1.50E-03	2.61E-04
5752	499809.4	3732042	1.52E-03	0.00E+00	1.52E-03	2.64E-04
5753	499819.2	3732041	1.54E-03	0.00E+00	1.54E-03	2.68E-04
5754	499829	3732040	1.56E-03	0.00E+00	1.56E-03	2.72E-04
5755	499838.7	3732039	1.58E-03	0.00E+00	1.58E-03	2.75E-04
5756	499848.5	3732038	1.60E-03	0.00E+00	1.60E-03	2.79E-04
5757	499858.3	3732037	1.62E-03	0.00E+00	1.62E-03	2.83E-04
5758	499868.1	3732036	1.64E-03	0.00E+00	1.64E-03	2.86E-04
5759	499877.9	3732035	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5760	499887.6	3732034	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5761	499897.4	3732034	1.71E-03	0.00E+00	1.71E-03	2.98E-04
5762	499907.2	3732033	1.73E-03	0.00E+00	1.73E-03	3.01E-04
5763	499917	3732032	1.75E-03	0.00E+00	1.75E-03	3.05E-04
5764	499926.8	3732031	1.77E-03	0.00E+00	1.77E-03	3.09E-04
5765	499936.5	3732030	1.80E-03	0.00E+00	1.80E-03	3.13E-04
5766	499946.3	3732029	1.82E-03	0.00E+00	1.82E-03	3.17E-04
5767	499956.1	3732028	1.84E-03	0.00E+00	1.84E-03	3.21E-04
5768	499965.9	3732027	1.86E-03	0.00E+00	1.86E-03	3.24E-04
5769	499975.7	3732026	1.88E-03	0.00E+00	1.88E-03	3.28E-04
5770	499985.4	3732025	1.91E-03	0.00E+00	1.91E-03	3.32E-04
5771	499995.2	3732024	1.93E-03	0.00E+00	1.93E-03	3.36E-04
5772	500005	3732023	1.95E-03	0.00E+00	1.95E-03	3.40E-04
5773	500014.8	3732022	1.97E-03	0.00E+00	1.97E-03	3.43E-04
5774	500024.6	3732021	1.99E-03	0.00E+00	1.99E-03	3.47E-04

5775	500034.3	3732020	2.01E-03	0.00E+00	2.01E-03	3.51E-04
5776	500044.1	3732019	2.04E-03	0.00E+00	2.04E-03	3.55E-04
5777	500053.9	3732018	2.06E-03	0.00E+00	2.06E-03	3.58E-04
5778	500063.7	3732017	2.08E-03	0.00E+00	2.08E-03	3.62E-04
5779	500073.5	3732016	2.10E-03	0.00E+00	2.10E-03	3.65E-04
5780	500083.3	3732015	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5781	500093	3732014	2.14E-03	0.00E+00	2.14E-03	3.72E-04
5782	500102.8	3732014	2.16E-03	0.00E+00	2.16E-03	3.76E-04
5783	500112.6	3732013	2.17E-03	0.00E+00	2.17E-03	3.79E-04
5784	500122.4	3732012	2.19E-03	0.00E+00	2.19E-03	3.82E-04
5785	500132.2	3732011	2.21E-03	0.00E+00	2.21E-03	3.85E-04
5786	500141.9	3732010	2.23E-03	0.00E+00	2.23E-03	3.89E-04
5787	500151.7	3732009	2.25E-03	0.00E+00	2.25E-03	3.92E-04
5788	500161.5	3732008	2.26E-03	0.00E+00	2.26E-03	3.94E-04
5789	500171.3	3732007	2.28E-03	0.00E+00	2.28E-03	3.97E-04
5790	500181.1	3732006	2.30E-03	0.00E+00	2.30E-03	4.00E-04
5791	500190.8	3732005	2.31E-03	0.00E+00	2.31E-03	4.03E-04
5792	500200.6	3732004	2.33E-03	0.00E+00	2.33E-03	4.05E-04
5793	500210.4	3732003	2.34E-03	0.00E+00	2.34E-03	4.08E-04
5794	500220.2	3732002	2.36E-03	0.00E+00	2.36E-03	4.10E-04
5795	498806	3733268	8.99E-04	0.00E+00	8.99E-04	1.57E-04
5796	498805.9	3733278	9.03E-04	0.00E+00	9.03E-04	1.57E-04
5797	498775.6	3732951	7.37E-04	0.00E+00	7.37E-04	1.28E-04
5798	498780.2	3732943	7.38E-04	0.00E+00	7.38E-04	1.29E-04
5799	498784.9	3732934	7.39E-04	0.00E+00	7.39E-04	1.29E-04
5800	498789.6	3732925	7.40E-04	0.00E+00	7.40E-04	1.29E-04
5801	498794.2	3732917	7.41E-04	0.00E+00	7.41E-04	1.29E-04
5802	498798.9	3732908	7.41E-04	0.00E+00	7.41E-04	1.29E-04
5803	498803.6	3732899	7.42E-04	0.00E+00	7.42E-04	1.29E-04
5804	498808.2	3732891	7.43E-04	0.00E+00	7.43E-04	1.29E-04
5805	498812.9	3732882	7.44E-04	0.00E+00	7.44E-04	1.30E-04
5806	498817.6	3732873	7.45E-04	0.00E+00	7.45E-04	1.30E-04
5807	498822.2	3732864	7.45E-04	0.00E+00	7.45E-04	1.30E-04
5808	498826.9	3732856	7.46E-04	0.00E+00	7.46E-04	1.30E-04
5809	498831.6	3732847	7.47E-04	0.00E+00	7.47E-04	1.30E-04
5810	498836.2	3732838	7.48E-04	0.00E+00	7.48E-04	1.30E-04
5811	498840.9	3732830	7.49E-04	0.00E+00	7.49E-04	1.30E-04
5812	498845.6	3732821	7.49E-04	0.00E+00	7.49E-04	1.31E-04
5813	498850.2	3732812	7.50E-04	0.00E+00	7.50E-04	1.31E-04
5814	498854.9	3732804	7.51E-04	0.00E+00	7.51E-04	1.31E-04
5815	498859.6	3732795	7.52E-04	0.00E+00	7.52E-04	1.31E-04
5816	498864.2	3732786	7.53E-04	0.00E+00	7.53E-04	1.31E-04
5817	498868.9	3732778	7.54E-04	0.00E+00	7.54E-04	1.31E-04
5818	498873.6	3732769	7.54E-04	0.00E+00	7.54E-04	1.31E-04
5819	498878.2	3732760	7.55E-04	0.00E+00	7.55E-04	1.32E-04
5820	498882.9	3732751	7.56E-04	0.00E+00	7.56E-04	1.32E-04
5821	498887.6	3732743	7.57E-04	0.00E+00	7.57E-04	1.32E-04

5822	498892.3	3732734	7.58E-04	0.00E+00	7.58E-04	1.32E-04
5823	498896.9	3732725	7.59E-04	0.00E+00	7.59E-04	1.32E-04
5824	498901.6	3732717	7.60E-04	0.00E+00	7.60E-04	1.32E-04
5825	498906.3	3732708	7.60E-04	0.00E+00	7.60E-04	1.32E-04
5826	498910.9	3732699	7.61E-04	0.00E+00	7.61E-04	1.33E-04
5827	498915.6	3732691	7.62E-04	0.00E+00	7.62E-04	1.33E-04
5828	498920.3	3732682	7.63E-04	0.00E+00	7.63E-04	1.33E-04
5829	498924.9	3732673	7.64E-04	0.00E+00	7.64E-04	1.33E-04
5830	498929.6	3732664	7.64E-04	0.00E+00	7.64E-04	1.33E-04
5831	498934.3	3732656	7.65E-04	0.00E+00	7.65E-04	1.33E-04
5832	498938.9	3732647	7.66E-04	0.00E+00	7.66E-04	1.33E-04
5833	498943.6	3732638	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5834	498948.3	3732630	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5835	498952.9	3732621	7.68E-04	0.00E+00	7.68E-04	1.34E-04
5836	498957.6	3732612	7.69E-04	0.00E+00	7.69E-04	1.34E-04
5837	498962.3	3732604	7.69E-04	0.00E+00	7.69E-04	1.34E-04
5838	498966.9	3732595	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5839	498971.6	3732586	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5840	498976.3	3732578	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5841	498980.9	3732569	7.72E-04	0.00E+00	7.72E-04	1.34E-04
5842	498985.6	3732560	7.72E-04	0.00E+00	7.72E-04	1.35E-04
5843	498990.3	3732551	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5844	498994.9	3732543	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5845	498999.6	3732534	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5846	499004.3	3732525	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5847	499008.9	3732517	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5848	499013.6	3732508	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5849	499018.3	3732499	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5850	499022.9	3732491	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5851	499027.6	3732482	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5852	499032.3	3732473	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5853	499036.9	3732465	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5854	499041.6	3732456	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5855	499046.3	3732447	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5856	499050.9	3732438	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5857	499055.6	3732430	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5858	499060.3	3732421	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5859	499064.9	3732412	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5860	499069.6	3732404	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5861	499074.3	3732395	7.76E-04	0.00E+00	7.76E-04	1.35E-04
5862	499078.9	3732386	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5863	499083.6	3732378	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5864	499088.3	3732369	7.75E-04	0.00E+00	7.75E-04	1.35E-04
5865	499093	3732360	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5866	499097.6	3732352	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5867	499102.3	3732343	7.73E-04	0.00E+00	7.73E-04	1.35E-04
5868	499107	3732334	7.73E-04	0.00E+00	7.73E-04	1.35E-04

5869	499111.6	3732325	7.72E-04	0.00E+00	7.72E-04	1.35E-04
5870	499116.3	3732317	7.72E-04	0.00E+00	7.72E-04	1.34E-04
5871	499121	3732308	7.71E-04	0.00E+00	7.71E-04	1.34E-04
5872	499125.6	3732299	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5873	499130.3	3732291	7.70E-04	0.00E+00	7.70E-04	1.34E-04
5874	499135	3732282	7.69E-04	0.00E+00	7.69E-04	1.34E-04
5875	499139.6	3732273	7.68E-04	0.00E+00	7.68E-04	1.34E-04
5876	499144.3	3732265	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5877	499149	3732256	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5878	499214.3	3732134	7.53E-04	0.00E+00	7.53E-04	1.31E-04
5879	499219	3732125	7.52E-04	0.00E+00	7.52E-04	1.31E-04
5880	499223.6	3732117	7.51E-04	0.00E+00	7.51E-04	1.31E-04
5881	499228.3	3732108	7.50E-04	0.00E+00	7.50E-04	1.31E-04
5882	499233	3732099	7.49E-04	0.00E+00	7.49E-04	1.30E-04
5883	499237.6	3732091	7.48E-04	0.00E+00	7.48E-04	1.30E-04
5884	499242.3	3732082	7.47E-04	0.00E+00	7.47E-04	1.30E-04
5885	499247	3732073	7.46E-04	0.00E+00	7.46E-04	1.30E-04
5886	499261.5	3732064	7.52E-04	0.00E+00	7.52E-04	1.31E-04
5887	499271.3	3732063	7.59E-04	0.00E+00	7.59E-04	1.32E-04
5888	499281.1	3732062	7.67E-04	0.00E+00	7.67E-04	1.34E-04
5889	499290.9	3732061	7.74E-04	0.00E+00	7.74E-04	1.35E-04
5890	499300.8	3732060	7.82E-04	0.00E+00	7.82E-04	1.36E-04
5891	499310.6	3732059	7.90E-04	0.00E+00	7.90E-04	1.38E-04
5892	499320.4	3732058	7.98E-04	0.00E+00	7.98E-04	1.39E-04
5893	499330.2	3732057	8.06E-04	0.00E+00	8.06E-04	1.41E-04
5894	499340	3732056	8.15E-04	0.00E+00	8.15E-04	1.42E-04
5895	499349.9	3732055	8.23E-04	0.00E+00	8.23E-04	1.43E-04
5896	499428.4	3732047	8.98E-04	0.00E+00	8.98E-04	1.56E-04
5897	499438.2	3732046	9.08E-04	0.00E+00	9.08E-04	1.58E-04
5898	499448.1	3732046	9.18E-04	0.00E+00	9.18E-04	1.60E-04
5899	499457.9	3732045	9.29E-04	0.00E+00	9.29E-04	1.62E-04
5900	499467.7	3732044	9.39E-04	0.00E+00	9.39E-04	1.64E-04
5901	499477.5	3732043	9.50E-04	0.00E+00	9.50E-04	1.66E-04
5902	499487.4	3732042	9.61E-04	0.00E+00	9.61E-04	1.67E-04
5903	499497.2	3732041	9.73E-04	0.00E+00	9.73E-04	1.69E-04
5904	499507	3732040	9.84E-04	0.00E+00	9.84E-04	1.71E-04
5905	499516.8	3732039	9.96E-04	0.00E+00	9.96E-04	1.74E-04
5906	499526.6	3732038	1.01E-03	0.00E+00	1.01E-03	1.76E-04
5907	499536.5	3732037	1.02E-03	0.00E+00	1.02E-03	1.78E-04
5908	499546.3	3732036	1.03E-03	0.00E+00	1.03E-03	1.80E-04
5909	499556.1	3732035	1.05E-03	0.00E+00	1.05E-03	1.82E-04
5910	499565.9	3732034	1.06E-03	0.00E+00	1.06E-03	1.84E-04
5911	499575.7	3732033	1.07E-03	0.00E+00	1.07E-03	1.87E-04
5912	499585.6	3732032	1.09E-03	0.00E+00	1.09E-03	1.89E-04
5913	499595.4	3732031	1.10E-03	0.00E+00	1.10E-03	1.91E-04
5914	499605.2	3732030	1.11E-03	0.00E+00	1.11E-03	1.94E-04
5915	499615	3732029	1.13E-03	0.00E+00	1.13E-03	1.96E-04

5916	499624.9	3732028	1.14E-03	0.00E+00	1.14E-03	1.99E-04
5917	499634.7	3732027	1.16E-03	0.00E+00	1.16E-03	2.01E-04
5918	499644.5	3732026	1.17E-03	0.00E+00	1.17E-03	2.04E-04
5919	499654.3	3732025	1.19E-03	0.00E+00	1.19E-03	2.07E-04
5920	499664.1	3732025	1.20E-03	0.00E+00	1.20E-03	2.10E-04
5921	499674	3732024	1.22E-03	0.00E+00	1.22E-03	2.12E-04
5922	499683.8	3732023	1.23E-03	0.00E+00	1.23E-03	2.15E-04
5923	499693.6	3732022	1.25E-03	0.00E+00	1.25E-03	2.18E-04
5924	499703.4	3732021	1.27E-03	0.00E+00	1.27E-03	2.21E-04
5925	499713.2	3732020	1.28E-03	0.00E+00	1.28E-03	2.24E-04
5926	499723.1	3732019	1.30E-03	0.00E+00	1.30E-03	2.27E-04
5927	499732.9	3732018	1.32E-03	0.00E+00	1.32E-03	2.30E-04
5928	499742.7	3732017	1.34E-03	0.00E+00	1.34E-03	2.33E-04
5929	499752.5	3732016	1.35E-03	0.00E+00	1.35E-03	2.36E-04
5930	499762.3	3732015	1.37E-03	0.00E+00	1.37E-03	2.39E-04
5931	499772.2	3732014	1.39E-03	0.00E+00	1.39E-03	2.42E-04
5932	499782	3732013	1.41E-03	0.00E+00	1.41E-03	2.46E-04
5933	499791.8	3732012	1.43E-03	0.00E+00	1.43E-03	2.49E-04
5934	499801.6	3732011	1.45E-03	0.00E+00	1.45E-03	2.52E-04
5935	499811.5	3732010	1.47E-03	0.00E+00	1.47E-03	2.55E-04
5936	499821.3	3732009	1.49E-03	0.00E+00	1.49E-03	2.59E-04
5937	499831.1	3732008	1.50E-03	0.00E+00	1.50E-03	2.62E-04
5938	499840.9	3732007	1.52E-03	0.00E+00	1.52E-03	2.66E-04
5939	499850.7	3732006	1.54E-03	0.00E+00	1.54E-03	2.69E-04
5940	499860.6	3732005	1.56E-03	0.00E+00	1.56E-03	2.73E-04
5941	499870.4	3732004	1.58E-03	0.00E+00	1.58E-03	2.76E-04
5942	499880.2	3732004	1.60E-03	0.00E+00	1.60E-03	2.80E-04
5943	499890	3732003	1.63E-03	0.00E+00	1.63E-03	2.83E-04
5944	499899.8	3732002	1.65E-03	0.00E+00	1.65E-03	2.87E-04
5945	499909.7	3732001	1.67E-03	0.00E+00	1.67E-03	2.90E-04
5946	499919.5	3732000	1.69E-03	0.00E+00	1.69E-03	2.94E-04
5947	499929.3	3731999	1.71E-03	0.00E+00	1.71E-03	2.98E-04
5948	499939.1	3731998	1.73E-03	0.00E+00	1.73E-03	3.01E-04
5949	499949	3731997	1.75E-03	0.00E+00	1.75E-03	3.05E-04
5950	499958.8	3731996	1.77E-03	0.00E+00	1.77E-03	3.08E-04
5951	499968.6	3731995	1.79E-03	0.00E+00	1.79E-03	3.12E-04
5952	499978.4	3731994	1.81E-03	0.00E+00	1.81E-03	3.16E-04
5953	499988.2	3731993	1.83E-03	0.00E+00	1.83E-03	3.19E-04
5954	499998.1	3731992	1.85E-03	0.00E+00	1.85E-03	3.23E-04
5955	500007.9	3731991	1.87E-03	0.00E+00	1.87E-03	3.26E-04
5956	500017.7	3731990	1.89E-03	0.00E+00	1.89E-03	3.30E-04
5957	500027.5	3731989	1.91E-03	0.00E+00	1.91E-03	3.33E-04
5958	500037.3	3731988	1.93E-03	0.00E+00	1.93E-03	3.37E-04
5959	500047.2	3731987	1.95E-03	0.00E+00	1.95E-03	3.40E-04
5960	500057	3731986	1.97E-03	0.00E+00	1.97E-03	3.44E-04
5961	500066.8	3731985	1.99E-03	0.00E+00	1.99E-03	3.47E-04
5962	500076.6	3731984	2.01E-03	0.00E+00	2.01E-03	3.50E-04

5963	500086.4	3731983	2.03E-03	0.00E+00	2.03E-03	3.54E-04
5964	500096.3	3731983	2.05E-03	0.00E+00	2.05E-03	3.57E-04
5965	500106.1	3731982	2.07E-03	0.00E+00	2.07E-03	3.60E-04
5966	500115.9	3731981	2.08E-03	0.00E+00	2.08E-03	3.63E-04
5967	500125.7	3731980	2.10E-03	0.00E+00	2.10E-03	3.66E-04
5968	500135.6	3731979	2.12E-03	0.00E+00	2.12E-03	3.69E-04
5969	500145.4	3731978	2.14E-03	0.00E+00	2.14E-03	3.72E-04
5970	500155.2	3731977	2.15E-03	0.00E+00	2.15E-03	3.75E-04
5971	500165	3731976	2.17E-03	0.00E+00	2.17E-03	3.78E-04
5972	500174.8	3731975	2.18E-03	0.00E+00	2.18E-03	3.80E-04
5973	500184.7	3731974	2.20E-03	0.00E+00	2.20E-03	3.83E-04
5974	500194.5	3731973	2.21E-03	0.00E+00	2.21E-03	3.86E-04
5975	500204.3	3731972	2.23E-03	0.00E+00	2.23E-03	3.88E-04
5976	500214.1	3731971	2.24E-03	0.00E+00	2.24E-03	3.91E-04
5977	500223.9	3731970	2.25E-03	0.00E+00	2.25E-03	3.93E-04
5978	500233.8	3731969	2.27E-03	0.00E+00	2.27E-03	3.95E-04
5979	498770.2	3733268	8.56E-04	0.00E+00	8.56E-04	1.49E-04
5980	498770.2	3733278	8.60E-04	0.00E+00	8.60E-04	1.50E-04
5981	498739.9	3732951	7.07E-04	0.00E+00	7.07E-04	1.23E-04
5982	498744.6	3732943	7.08E-04	0.00E+00	7.08E-04	1.23E-04
5983	498749.2	3732934	7.08E-04	0.00E+00	7.08E-04	1.23E-04
5984	498753.9	3732925	7.09E-04	0.00E+00	7.09E-04	1.24E-04
5985	498758.6	3732916	7.10E-04	0.00E+00	7.10E-04	1.24E-04
5986	498763.3	3732908	7.11E-04	0.00E+00	7.11E-04	1.24E-04
5987	498768	3732899	7.11E-04	0.00E+00	7.11E-04	1.24E-04
5988	498772.7	3732890	7.12E-04	0.00E+00	7.12E-04	1.24E-04
5989	498777.4	3732881	7.13E-04	0.00E+00	7.13E-04	1.24E-04
5990	498782	3732873	7.14E-04	0.00E+00	7.14E-04	1.24E-04
5991	498786.7	3732864	7.14E-04	0.00E+00	7.14E-04	1.24E-04
5992	498791.4	3732855	7.15E-04	0.00E+00	7.15E-04	1.25E-04
5993	498796.1	3732847	7.16E-04	0.00E+00	7.16E-04	1.25E-04
5994	498800.8	3732838	7.17E-04	0.00E+00	7.17E-04	1.25E-04
5995	498805.5	3732829	7.17E-04	0.00E+00	7.17E-04	1.25E-04
5996	498810.2	3732820	7.18E-04	0.00E+00	7.18E-04	1.25E-04
5997	498814.8	3732812	7.19E-04	0.00E+00	7.19E-04	1.25E-04
5998	498819.5	3732803	7.20E-04	0.00E+00	7.20E-04	1.25E-04
5999	498824.2	3732794	7.20E-04	0.00E+00	7.20E-04	1.26E-04
6000	498828.9	3732785	7.21E-04	0.00E+00	7.21E-04	1.26E-04
6001	498833.6	3732777	7.22E-04	0.00E+00	7.22E-04	1.26E-04
6002	498838.3	3732768	7.23E-04	0.00E+00	7.23E-04	1.26E-04
6003	498842.9	3732759	7.23E-04	0.00E+00	7.23E-04	1.26E-04
6004	498847.6	3732751	7.24E-04	0.00E+00	7.24E-04	1.26E-04
6005	498852.3	3732742	7.25E-04	0.00E+00	7.25E-04	1.26E-04
6006	498857	3732733	7.26E-04	0.00E+00	7.26E-04	1.26E-04
6007	498861.7	3732724	7.27E-04	0.00E+00	7.27E-04	1.27E-04
6008	498866.4	3732716	7.27E-04	0.00E+00	7.27E-04	1.27E-04
6009	498871.1	3732707	7.28E-04	0.00E+00	7.28E-04	1.27E-04

6010	498875.7	3732698	7.29E-04	0.00E+00	7.29E-04	1.27E-04
6011	498880.4	3732689	7.30E-04	0.00E+00	7.30E-04	1.27E-04
6012	498885.1	3732681	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6013	498889.8	3732672	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6014	498894.5	3732663	7.32E-04	0.00E+00	7.32E-04	1.28E-04
6015	498899.2	3732655	7.33E-04	0.00E+00	7.33E-04	1.28E-04
6016	498903.9	3732646	7.33E-04	0.00E+00	7.33E-04	1.28E-04
6017	498908.5	3732637	7.34E-04	0.00E+00	7.34E-04	1.28E-04
6018	498913.2	3732628	7.35E-04	0.00E+00	7.35E-04	1.28E-04
6019	498917.9	3732620	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6020	498922.6	3732611	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6021	498927.3	3732602	7.37E-04	0.00E+00	7.37E-04	1.28E-04
6022	498932	3732593	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6023	498936.7	3732585	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6024	498941.3	3732576	7.39E-04	0.00E+00	7.39E-04	1.29E-04
6025	498946	3732567	7.39E-04	0.00E+00	7.39E-04	1.29E-04
6026	498950.7	3732559	7.40E-04	0.00E+00	7.40E-04	1.29E-04
6027	498955.4	3732550	7.40E-04	0.00E+00	7.40E-04	1.29E-04
6028	498960.1	3732541	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6029	498964.8	3732532	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6030	498969.5	3732524	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6031	498974.1	3732515	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6032	498978.8	3732506	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6033	498983.5	3732497	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6034	498988.2	3732489	7.43E-04	0.00E+00	7.43E-04	1.30E-04
6035	498992.9	3732480	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6036	498997.6	3732471	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6037	499002.3	3732463	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6038	499006.9	3732454	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6039	499011.6	3732445	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6040	499016.3	3732436	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6041	499021	3732428	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6042	499025.7	3732419	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6043	499030.4	3732410	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6044	499035.1	3732401	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6045	499039.7	3732393	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6046	499044.4	3732384	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6047	499049.1	3732375	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6048	499053.8	3732367	7.44E-04	0.00E+00	7.44E-04	1.30E-04
6049	499058.5	3732358	7.43E-04	0.00E+00	7.43E-04	1.30E-04
6050	499063.2	3732349	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6051	499067.9	3732340	7.43E-04	0.00E+00	7.43E-04	1.29E-04
6052	499072.5	3732332	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6053	499077.2	3732323	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6054	499081.9	3732314	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6055	499086.6	3732305	7.41E-04	0.00E+00	7.41E-04	1.29E-04
6056	499091.3	3732297	7.40E-04	0.00E+00	7.40E-04	1.29E-04

6057	499096	3732288	7.40E-04	0.00E+00	7.40E-04	1.29E-04
6058	499100.7	3732279	7.39E-04	0.00E+00	7.39E-04	1.29E-04
6059	499105.3	3732271	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6060	499110	3732262	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6061	499114.7	3732253	7.37E-04	0.00E+00	7.37E-04	1.28E-04
6062	499119.4	3732244	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6063	499124.1	3732236	7.36E-04	0.00E+00	7.36E-04	1.28E-04
6064	499128.8	3732227	7.35E-04	0.00E+00	7.35E-04	1.28E-04
6065	499133.5	3732218	7.34E-04	0.00E+00	7.34E-04	1.28E-04
6066	499138.1	3732209	7.33E-04	0.00E+00	7.33E-04	1.28E-04
6067	499142.8	3732201	7.32E-04	0.00E+00	7.32E-04	1.28E-04
6068	499147.5	3732192	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6069	499180.3	3732131	7.25E-04	0.00E+00	7.25E-04	1.26E-04
6070	499185	3732122	7.24E-04	0.00E+00	7.24E-04	1.26E-04
6071	499189.7	3732113	7.23E-04	0.00E+00	7.23E-04	1.26E-04
6072	499194.4	3732105	7.22E-04	0.00E+00	7.22E-04	1.26E-04
6073	499199.1	3732096	7.21E-04	0.00E+00	7.21E-04	1.26E-04
6074	499203.7	3732087	7.20E-04	0.00E+00	7.20E-04	1.25E-04
6075	499208.4	3732079	7.19E-04	0.00E+00	7.19E-04	1.25E-04
6076	499213.1	3732070	7.18E-04	0.00E+00	7.18E-04	1.25E-04
6077	499217.8	3732061	7.17E-04	0.00E+00	7.17E-04	1.25E-04
6078	499222.5	3732052	7.16E-04	0.00E+00	7.16E-04	1.25E-04
6079	499227.2	3732044	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6080	499241.7	3732034	7.21E-04	0.00E+00	7.21E-04	1.26E-04
6081	499251.6	3732033	7.28E-04	0.00E+00	7.28E-04	1.27E-04
6082	499261.4	3732032	7.35E-04	0.00E+00	7.35E-04	1.28E-04
6083	499271.3	3732031	7.42E-04	0.00E+00	7.42E-04	1.29E-04
6084	499281.1	3732030	7.49E-04	0.00E+00	7.49E-04	1.31E-04
6085	499291	3732029	7.56E-04	0.00E+00	7.56E-04	1.32E-04
6086	499300.9	3732028	7.64E-04	0.00E+00	7.64E-04	1.33E-04
6087	499310.7	3732027	7.72E-04	0.00E+00	7.72E-04	1.34E-04
6088	499320.6	3732026	7.79E-04	0.00E+00	7.79E-04	1.36E-04
6089	499330.4	3732025	7.87E-04	0.00E+00	7.87E-04	1.37E-04
6090	499340.3	3732024	7.95E-04	0.00E+00	7.95E-04	1.39E-04
6091	499350.2	3732023	8.04E-04	0.00E+00	8.04E-04	1.40E-04
6092	499409.3	3732018	8.56E-04	0.00E+00	8.56E-04	1.49E-04
6093	499419.2	3732017	8.65E-04	0.00E+00	8.65E-04	1.51E-04
6094	499429	3732016	8.75E-04	0.00E+00	8.75E-04	1.52E-04
6095	499438.9	3732015	8.85E-04	0.00E+00	8.85E-04	1.54E-04
6096	499448.8	3732014	8.95E-04	0.00E+00	8.95E-04	1.56E-04
6097	499458.6	3732013	9.05E-04	0.00E+00	9.05E-04	1.58E-04
6098	499468.5	3732012	9.15E-04	0.00E+00	9.15E-04	1.59E-04
6099	499478.3	3732011	9.26E-04	0.00E+00	9.26E-04	1.61E-04
6100	499488.2	3732010	9.36E-04	0.00E+00	9.36E-04	1.63E-04
6101	499498.1	3732009	9.47E-04	0.00E+00	9.47E-04	1.65E-04
6102	499507.9	3732008	9.58E-04	0.00E+00	9.58E-04	1.67E-04
6103	499517.8	3732007	9.70E-04	0.00E+00	9.70E-04	1.69E-04

6104	499527.6	3732006	9.81E-04	0.00E+00	9.81E-04	1.71E-04
6105	499537.5	3732005	9.93E-04	0.00E+00	9.93E-04	1.73E-04
6106	499547.3	3732004	1.00E-03	0.00E+00	1.00E-03	1.75E-04
6107	499557.2	3732003	1.02E-03	0.00E+00	1.02E-03	1.77E-04
6108	499567.1	3732002	1.03E-03	0.00E+00	1.03E-03	1.79E-04
6109	499576.9	3732001	1.04E-03	0.00E+00	1.04E-03	1.82E-04
6110	499586.8	3732000	1.06E-03	0.00E+00	1.06E-03	1.84E-04
6111	499596.6	3731999	1.07E-03	0.00E+00	1.07E-03	1.86E-04
6112	499606.5	3731998	1.08E-03	0.00E+00	1.08E-03	1.88E-04
6113	499616.4	3731998	1.10E-03	0.00E+00	1.10E-03	1.91E-04
6114	499626.2	3731997	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6115	499636.1	3731996	1.12E-03	0.00E+00	1.12E-03	1.96E-04
6116	499645.9	3731995	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6117	499655.8	3731994	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6118	499665.7	3731993	1.17E-03	0.00E+00	1.17E-03	2.03E-04
6119	499675.5	3731992	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6120	499685.4	3731991	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6121	499695.2	3731990	1.21E-03	0.00E+00	1.21E-03	2.11E-04
6122	499705.1	3731989	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6123	499715	3731988	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6124	499724.8	3731987	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6125	499734.7	3731986	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6126	499744.5	3731985	1.29E-03	0.00E+00	1.29E-03	2.25E-04
6127	499754.4	3731984	1.31E-03	0.00E+00	1.31E-03	2.28E-04
6128	499764.2	3731983	1.33E-03	0.00E+00	1.33E-03	2.31E-04
6129	499774.1	3731982	1.35E-03	0.00E+00	1.35E-03	2.34E-04
6130	499784	3731981	1.36E-03	0.00E+00	1.36E-03	2.38E-04
6131	499793.8	3731980	1.38E-03	0.00E+00	1.38E-03	2.41E-04
6132	499803.7	3731979	1.40E-03	0.00E+00	1.40E-03	2.44E-04
6133	499813.5	3731978	1.42E-03	0.00E+00	1.42E-03	2.47E-04
6134	499823.4	3731977	1.44E-03	0.00E+00	1.44E-03	2.50E-04
6135	499833.3	3731976	1.45E-03	0.00E+00	1.45E-03	2.53E-04
6136	499843.1	3731975	1.47E-03	0.00E+00	1.47E-03	2.57E-04
6137	499853	3731975	1.49E-03	0.00E+00	1.49E-03	2.60E-04
6138	499862.8	3731974	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6139	499872.7	3731973	1.53E-03	0.00E+00	1.53E-03	2.66E-04
6140	499882.6	3731972	1.55E-03	0.00E+00	1.55E-03	2.70E-04
6141	499892.4	3731971	1.57E-03	0.00E+00	1.57E-03	2.73E-04
6142	499902.3	3731970	1.59E-03	0.00E+00	1.59E-03	2.76E-04
6143	499912.1	3731969	1.61E-03	0.00E+00	1.61E-03	2.80E-04
6144	499922	3731968	1.63E-03	0.00E+00	1.63E-03	2.83E-04
6145	499931.9	3731967	1.64E-03	0.00E+00	1.64E-03	2.87E-04
6146	499941.7	3731966	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6147	499951.6	3731965	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6148	499961.4	3731964	1.70E-03	0.00E+00	1.70E-03	2.97E-04
6149	499971.3	3731963	1.72E-03	0.00E+00	1.72E-03	3.00E-04
6150	499981.2	3731962	1.74E-03	0.00E+00	1.74E-03	3.04E-04

6151	499991	3731961	1.76E-03	0.00E+00	1.76E-03	3.07E-04
6152	500000.9	3731960	1.78E-03	0.00E+00	1.78E-03	3.10E-04
6153	500010.7	3731959	1.80E-03	0.00E+00	1.80E-03	3.14E-04
6154	500020.6	3731958	1.82E-03	0.00E+00	1.82E-03	3.17E-04
6155	500030.4	3731957	1.84E-03	0.00E+00	1.84E-03	3.20E-04
6156	500040.3	3731956	1.86E-03	0.00E+00	1.86E-03	3.23E-04
6157	500050.2	3731955	1.88E-03	0.00E+00	1.88E-03	3.27E-04
6158	500060	3731954	1.89E-03	0.00E+00	1.89E-03	3.30E-04
6159	500069.9	3731953	1.91E-03	0.00E+00	1.91E-03	3.33E-04
6160	500079.7	3731952	1.93E-03	0.00E+00	1.93E-03	3.36E-04
6161	500089.6	3731952	1.95E-03	0.00E+00	1.95E-03	3.39E-04
6162	500099.5	3731951	1.96E-03	0.00E+00	1.96E-03	3.42E-04
6163	500109.3	3731950	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6164	500119.2	3731949	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6165	500129	3731948	2.02E-03	0.00E+00	2.02E-03	3.51E-04
6166	500138.9	3731947	2.03E-03	0.00E+00	2.03E-03	3.54E-04
6167	500148.8	3731946	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6168	500158.6	3731945	2.06E-03	0.00E+00	2.06E-03	3.60E-04
6169	500168.5	3731944	2.08E-03	0.00E+00	2.08E-03	3.62E-04
6170	500178.3	3731943	2.09E-03	0.00E+00	2.09E-03	3.65E-04
6171	500188.2	3731942	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6172	500198.1	3731941	2.12E-03	0.00E+00	2.12E-03	3.70E-04
6173	500207.9	3731940	2.14E-03	0.00E+00	2.14E-03	3.72E-04
6174	500217.8	3731939	2.15E-03	0.00E+00	2.15E-03	3.74E-04
6175	500227.6	3731938	2.16E-03	0.00E+00	2.16E-03	3.77E-04
6176	500237.5	3731937	2.17E-03	0.00E+00	2.17E-03	3.79E-04
6177	498734.5	3733268	8.17E-04	0.00E+00	8.17E-04	1.42E-04
6178	498734.5	3733278	8.21E-04	0.00E+00	8.21E-04	1.43E-04
6179	498713.4	3732934	6.80E-04	0.00E+00	6.80E-04	1.18E-04
6180	498718.1	3732925	6.81E-04	0.00E+00	6.81E-04	1.19E-04
6181	498722.8	3732917	6.81E-04	0.00E+00	6.81E-04	1.19E-04
6182	498727.4	3732908	6.82E-04	0.00E+00	6.82E-04	1.19E-04
6183	498732.1	3732899	6.83E-04	0.00E+00	6.83E-04	1.19E-04
6184	498736.7	3732890	6.83E-04	0.00E+00	6.83E-04	1.19E-04
6185	498741.4	3732882	6.84E-04	0.00E+00	6.84E-04	1.19E-04
6186	498746.1	3732873	6.85E-04	0.00E+00	6.85E-04	1.19E-04
6187	498750.7	3732864	6.85E-04	0.00E+00	6.85E-04	1.19E-04
6188	498755.4	3732856	6.86E-04	0.00E+00	6.86E-04	1.20E-04
6189	498760	3732847	6.87E-04	0.00E+00	6.87E-04	1.20E-04
6190	498764.7	3732838	6.87E-04	0.00E+00	6.87E-04	1.20E-04
6191	498769.4	3732830	6.88E-04	0.00E+00	6.88E-04	1.20E-04
6192	498774	3732821	6.89E-04	0.00E+00	6.89E-04	1.20E-04
6193	498778.7	3732812	6.89E-04	0.00E+00	6.89E-04	1.20E-04
6194	498783.3	3732804	6.90E-04	0.00E+00	6.90E-04	1.20E-04
6195	498788	3732795	6.91E-04	0.00E+00	6.91E-04	1.20E-04
6196	498792.7	3732786	6.92E-04	0.00E+00	6.92E-04	1.20E-04
6197	498797.3	3732778	6.92E-04	0.00E+00	6.92E-04	1.21E-04

6198	498802	3732769	6.93E-04	0.00E+00	6.93E-04	1.21E-04
6199	498806.6	3732760	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6200	498811.3	3732752	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6201	498816	3732743	6.95E-04	0.00E+00	6.95E-04	1.21E-04
6202	498820.6	3732734	6.96E-04	0.00E+00	6.96E-04	1.21E-04
6203	498825.3	3732726	6.96E-04	0.00E+00	6.96E-04	1.21E-04
6204	498829.9	3732717	6.97E-04	0.00E+00	6.97E-04	1.21E-04
6205	498834.6	3732708	6.98E-04	0.00E+00	6.98E-04	1.22E-04
6206	498839.3	3732700	6.99E-04	0.00E+00	6.99E-04	1.22E-04
6207	498843.9	3732691	6.99E-04	0.00E+00	6.99E-04	1.22E-04
6208	498848.6	3732682	7.00E-04	0.00E+00	7.00E-04	1.22E-04
6209	498853.2	3732673	7.01E-04	0.00E+00	7.01E-04	1.22E-04
6210	498857.9	3732665	7.01E-04	0.00E+00	7.01E-04	1.22E-04
6211	498862.6	3732656	7.02E-04	0.00E+00	7.02E-04	1.22E-04
6212	498867.2	3732647	7.03E-04	0.00E+00	7.03E-04	1.22E-04
6213	498871.9	3732639	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6214	498876.5	3732630	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6215	498881.2	3732621	7.05E-04	0.00E+00	7.05E-04	1.23E-04
6216	498885.9	3732613	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6217	498890.5	3732604	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6218	498895.2	3732595	7.07E-04	0.00E+00	7.07E-04	1.23E-04
6219	498899.8	3732587	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6220	498904.5	3732578	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6221	498909.2	3732569	7.09E-04	0.00E+00	7.09E-04	1.24E-04
6222	498913.8	3732561	7.09E-04	0.00E+00	7.09E-04	1.24E-04
6223	498918.5	3732552	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6224	498923.1	3732543	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6225	498927.8	3732535	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6226	498932.5	3732526	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6227	498937.1	3732517	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6228	498941.8	3732509	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6229	498946.4	3732500	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6230	498951.1	3732491	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6231	498955.8	3732483	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6232	498960.4	3732474	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6233	498965.1	3732465	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6234	498969.7	3732457	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6235	498974.4	3732448	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6236	498979.1	3732439	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6237	498983.7	3732430	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6238	498988.4	3732422	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6239	498993	3732413	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6240	498997.7	3732404	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6241	499002.4	3732396	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6242	499007	3732387	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6243	499011.7	3732378	7.15E-04	0.00E+00	7.15E-04	1.25E-04
6244	499016.3	3732370	7.15E-04	0.00E+00	7.15E-04	1.25E-04

6245	499021	3732361	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6246	499025.7	3732352	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6247	499030.3	3732344	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6248	499035	3732335	7.14E-04	0.00E+00	7.14E-04	1.24E-04
6249	499039.6	3732326	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6250	499044.3	3732318	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6251	499049	3732309	7.13E-04	0.00E+00	7.13E-04	1.24E-04
6252	499053.6	3732300	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6253	499058.3	3732292	7.12E-04	0.00E+00	7.12E-04	1.24E-04
6254	499062.9	3732283	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6255	499067.6	3732274	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6256	499072.3	3732266	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6257	499076.9	3732257	7.10E-04	0.00E+00	7.10E-04	1.24E-04
6258	499081.6	3732248	7.09E-04	0.00E+00	7.09E-04	1.24E-04
6259	499086.2	3732240	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6260	499090.9	3732231	7.08E-04	0.00E+00	7.08E-04	1.23E-04
6261	499095.6	3732222	7.07E-04	0.00E+00	7.07E-04	1.23E-04
6262	499100.2	3732213	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6263	499104.9	3732205	7.06E-04	0.00E+00	7.06E-04	1.23E-04
6264	499109.5	3732196	7.05E-04	0.00E+00	7.05E-04	1.23E-04
6265	499114.2	3732187	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6266	499146.8	3732127	6.98E-04	0.00E+00	6.98E-04	1.22E-04
6267	499151.5	3732118	6.97E-04	0.00E+00	6.97E-04	1.21E-04
6268	499156.1	3732109	6.96E-04	0.00E+00	6.96E-04	1.21E-04
6269	499160.8	3732101	6.95E-04	0.00E+00	6.95E-04	1.21E-04
6270	499165.5	3732092	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6271	499170.1	3732083	6.94E-04	0.00E+00	6.94E-04	1.21E-04
6272	499174.8	3732075	6.93E-04	0.00E+00	6.93E-04	1.21E-04
6273	499179.4	3732066	6.92E-04	0.00E+00	6.92E-04	1.21E-04
6274	499184.1	3732057	6.91E-04	0.00E+00	6.91E-04	1.20E-04
6275	499188.8	3732049	6.90E-04	0.00E+00	6.90E-04	1.20E-04
6276	499193.4	3732040	6.89E-04	0.00E+00	6.89E-04	1.20E-04
6277	499198.1	3732031	6.88E-04	0.00E+00	6.88E-04	1.20E-04
6278	499202.7	3732023	6.87E-04	0.00E+00	6.87E-04	1.20E-04
6279	499207.4	3732014	6.86E-04	0.00E+00	6.86E-04	1.20E-04
6280	499221.9	3732004	6.91E-04	0.00E+00	6.91E-04	1.20E-04
6281	499231.7	3732003	6.98E-04	0.00E+00	6.98E-04	1.22E-04
6282	499241.5	3732002	7.04E-04	0.00E+00	7.04E-04	1.23E-04
6283	499251.3	3732001	7.11E-04	0.00E+00	7.11E-04	1.24E-04
6284	499261.1	3732000	7.18E-04	0.00E+00	7.18E-04	1.25E-04
6285	499270.9	3731999	7.24E-04	0.00E+00	7.24E-04	1.26E-04
6286	499280.7	3731998	7.31E-04	0.00E+00	7.31E-04	1.27E-04
6287	499290.5	3731998	7.38E-04	0.00E+00	7.38E-04	1.29E-04
6288	499300.3	3731997	7.46E-04	0.00E+00	7.46E-04	1.30E-04
6289	499310.1	3731996	7.53E-04	0.00E+00	7.53E-04	1.31E-04
6290	499319.9	3731995	7.60E-04	0.00E+00	7.60E-04	1.32E-04
6291	499329.7	3731994	7.68E-04	0.00E+00	7.68E-04	1.34E-04

6292	499339.5	3731993	7.76E-04	0.00E+00	7.76E-04	1.35E-04
6293	499349.3	3731992	7.84E-04	0.00E+00	7.84E-04	1.37E-04
6294	499418	3731985	8.43E-04	0.00E+00	8.43E-04	1.47E-04
6295	499427.8	3731984	8.52E-04	0.00E+00	8.52E-04	1.48E-04
6296	499437.6	3731983	8.61E-04	0.00E+00	8.61E-04	1.50E-04
6297	499447.4	3731982	8.70E-04	0.00E+00	8.70E-04	1.52E-04
6298	499457.2	3731981	8.80E-04	0.00E+00	8.80E-04	1.53E-04
6299	499467	3731980	8.90E-04	0.00E+00	8.90E-04	1.55E-04
6300	499476.8	3731979	9.00E-04	0.00E+00	9.00E-04	1.57E-04
6301	499486.6	3731978	9.10E-04	0.00E+00	9.10E-04	1.59E-04
6302	499496.4	3731978	9.20E-04	0.00E+00	9.20E-04	1.60E-04
6303	499506.2	3731977	9.31E-04	0.00E+00	9.31E-04	1.62E-04
6304	499516	3731976	9.41E-04	0.00E+00	9.41E-04	1.64E-04
6305	499525.8	3731975	9.52E-04	0.00E+00	9.52E-04	1.66E-04
6306	499535.6	3731974	9.63E-04	0.00E+00	9.63E-04	1.68E-04
6307	499545.4	3731973	9.75E-04	0.00E+00	9.75E-04	1.70E-04
6308	499555.2	3731972	9.86E-04	0.00E+00	9.86E-04	1.72E-04
6309	499565	3731971	9.98E-04	0.00E+00	9.98E-04	1.74E-04
6310	499574.8	3731970	1.01E-03	0.00E+00	1.01E-03	1.76E-04
6311	499584.7	3731969	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6312	499594.5	3731968	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6313	499604.3	3731967	1.05E-03	0.00E+00	1.05E-03	1.82E-04
6314	499614.1	3731966	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6315	499623.9	3731965	1.07E-03	0.00E+00	1.07E-03	1.87E-04
6316	499633.7	3731964	1.09E-03	0.00E+00	1.09E-03	1.89E-04
6317	499643.5	3731963	1.10E-03	0.00E+00	1.10E-03	1.92E-04
6318	499653.3	3731962	1.11E-03	0.00E+00	1.11E-03	1.94E-04
6319	499663.1	3731961	1.13E-03	0.00E+00	1.13E-03	1.96E-04
6320	499672.9	3731960	1.14E-03	0.00E+00	1.14E-03	1.99E-04
6321	499682.7	3731959	1.16E-03	0.00E+00	1.16E-03	2.01E-04
6322	499692.5	3731958	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6323	499702.3	3731958	1.19E-03	0.00E+00	1.19E-03	2.07E-04
6324	499712.1	3731957	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6325	499721.9	3731956	1.22E-03	0.00E+00	1.22E-03	2.12E-04
6326	499731.7	3731955	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6327	499741.5	3731954	1.25E-03	0.00E+00	1.25E-03	2.17E-04
6328	499751.3	3731953	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6329	499761.1	3731952	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6330	499771	3731951	1.29E-03	0.00E+00	1.29E-03	2.26E-04
6331	499780.8	3731950	1.31E-03	0.00E+00	1.31E-03	2.28E-04
6332	499790.6	3731949	1.33E-03	0.00E+00	1.33E-03	2.31E-04
6333	499800.4	3731948	1.34E-03	0.00E+00	1.34E-03	2.34E-04
6334	499810.2	3731947	1.36E-03	0.00E+00	1.36E-03	2.37E-04
6335	499820	3731946	1.38E-03	0.00E+00	1.38E-03	2.40E-04
6336	499829.8	3731945	1.40E-03	0.00E+00	1.40E-03	2.43E-04
6337	499839.6	3731944	1.41E-03	0.00E+00	1.41E-03	2.46E-04
6338	499849.4	3731943	1.43E-03	0.00E+00	1.43E-03	2.49E-04

6339	499859.2	3731942	1.45E-03	0.00E+00	1.45E-03	2.52E-04
6340	499869	3731941	1.47E-03	0.00E+00	1.47E-03	2.55E-04
6341	499878.8	3731940	1.48E-03	0.00E+00	1.48E-03	2.58E-04
6342	499888.6	3731939	1.50E-03	0.00E+00	1.50E-03	2.62E-04
6343	499898.4	3731938	1.52E-03	0.00E+00	1.52E-03	2.65E-04
6344	499908.2	3731938	1.54E-03	0.00E+00	1.54E-03	2.68E-04
6345	499918	3731937	1.56E-03	0.00E+00	1.56E-03	2.71E-04
6346	499927.8	3731936	1.57E-03	0.00E+00	1.57E-03	2.74E-04
6347	499937.6	3731935	1.59E-03	0.00E+00	1.59E-03	2.77E-04
6348	499947.4	3731934	1.61E-03	0.00E+00	1.61E-03	2.80E-04
6349	499957.3	3731933	1.63E-03	0.00E+00	1.63E-03	2.84E-04
6350	499967.1	3731932	1.65E-03	0.00E+00	1.65E-03	2.87E-04
6351	499976.9	3731931	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6352	499986.7	3731930	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6353	499996.5	3731929	1.70E-03	0.00E+00	1.70E-03	2.96E-04
6354	500006.3	3731928	1.72E-03	0.00E+00	1.72E-03	2.99E-04
6355	500016.1	3731927	1.74E-03	0.00E+00	1.74E-03	3.02E-04
6356	500025.9	3731926	1.75E-03	0.00E+00	1.75E-03	3.06E-04
6357	500035.7	3731925	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6358	500045.5	3731924	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6359	500055.3	3731923	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6360	500065.1	3731922	1.82E-03	0.00E+00	1.82E-03	3.18E-04
6361	500074.9	3731921	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6362	500084.7	3731920	1.86E-03	0.00E+00	1.86E-03	3.24E-04
6363	500094.5	3731919	1.87E-03	0.00E+00	1.87E-03	3.26E-04
6364	500104.3	3731918	1.89E-03	0.00E+00	1.89E-03	3.29E-04
6365	500114.1	3731917	1.91E-03	0.00E+00	1.91E-03	3.32E-04
6366	500123.9	3731917	1.92E-03	0.00E+00	1.92E-03	3.35E-04
6367	500133.7	3731916	1.94E-03	0.00E+00	1.94E-03	3.38E-04
6368	500143.6	3731915	1.95E-03	0.00E+00	1.95E-03	3.40E-04
6369	500153.4	3731914	1.97E-03	0.00E+00	1.97E-03	3.43E-04
6370	500163.2	3731913	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6371	500173	3731912	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6372	500182.8	3731911	2.01E-03	0.00E+00	2.01E-03	3.50E-04
6373	500192.6	3731910	2.02E-03	0.00E+00	2.02E-03	3.53E-04
6374	500202.4	3731909	2.04E-03	0.00E+00	2.04E-03	3.55E-04
6375	500212.2	3731908	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6376	500222	3731907	2.06E-03	0.00E+00	2.06E-03	3.59E-04
6377	500231.8	3731906	2.07E-03	0.00E+00	2.07E-03	3.61E-04
6378	500241.6	3731905	2.09E-03	0.00E+00	2.09E-03	3.63E-04
6379	500280.8	3731901	2.13E-03	0.00E+00	2.13E-03	3.71E-04
6380	498698.8	3733268	7.81E-04	0.00E+00	7.81E-04	1.36E-04
6381	498698.8	3733277	7.85E-04	0.00E+00	7.85E-04	1.37E-04
6382	499638.4	3733557	9.77E-03	0.00E+00	9.77E-03	1.70E-03
6383	499627.7	3733545	9.25E-03	0.00E+00	9.25E-03	1.61E-03
6384	499620.9	3733582	9.02E-03	0.00E+00	9.02E-03	1.57E-03
6385	499610.4	3733569	8.57E-03	0.00E+00	8.57E-03	1.49E-03

6386	499599.8	3733557	8.13E-03	0.00E+00	8.13E-03	1.42E-03
6387	499589.3	3733545	7.71E-03	0.00E+00	7.71E-03	1.34E-03
6388	499632.9	3733593	9.55E-03	0.00E+00	9.55E-03	1.66E-03
6389	499603.4	3733606	8.36E-03	0.00E+00	8.36E-03	1.46E-03
6390	499593	3733594	7.96E-03	0.00E+00	7.96E-03	1.39E-03
6391	499582.6	3733582	7.58E-03	0.00E+00	7.58E-03	1.32E-03
6392	499572.1	3733570	7.21E-03	0.00E+00	7.21E-03	1.26E-03
6393	499561.7	3733557	6.86E-03	0.00E+00	6.86E-03	1.20E-03
6394	499551.3	3733545	6.52E-03	0.00E+00	6.52E-03	1.14E-03
6395	499540.9	3733533	6.20E-03	0.00E+00	6.20E-03	1.08E-03
6396	499615.3	3733617	8.82E-03	0.00E+00	8.82E-03	1.54E-03
6397	499585.7	3733630	7.76E-03	0.00E+00	7.76E-03	1.35E-03
6398	499574.9	3733618	7.41E-03	0.00E+00	7.41E-03	1.29E-03
6399	499564.2	3733605	7.06E-03	0.00E+00	7.06E-03	1.23E-03
6400	499553.5	3733593	6.72E-03	0.00E+00	6.72E-03	1.17E-03
6401	499542.7	3733580	6.40E-03	0.00E+00	6.40E-03	1.11E-03
6402	499532	3733567	6.09E-03	0.00E+00	6.09E-03	1.06E-03
6403	499521.2	3733555	5.79E-03	0.00E+00	5.79E-03	1.01E-03
6404	499597.8	3733641	8.17E-03	0.00E+00	8.17E-03	1.42E-03
6405	499568.2	3733655	7.24E-03	0.00E+00	7.24E-03	1.26E-03
6406	499557.5	3733642	6.93E-03	0.00E+00	6.93E-03	1.21E-03
6407	499546.9	3733630	6.62E-03	0.00E+00	6.62E-03	1.15E-03
6408	499536.3	3733617	6.32E-03	0.00E+00	6.32E-03	1.10E-03
6409	499525.7	3733605	6.04E-03	0.00E+00	6.04E-03	1.05E-03
6410	499580.2	3733666	7.60E-03	0.00E+00	7.60E-03	1.32E-03
6411	499550.6	3733679	6.77E-03	0.00E+00	6.77E-03	1.18E-03
6412	499540.1	3733667	6.50E-03	0.00E+00	6.50E-03	1.13E-03
6413	499529.6	3733654	6.23E-03	0.00E+00	6.23E-03	1.08E-03
6414	499352.6	3733295	2.59E-03	0.00E+00	2.59E-03	4.52E-04
6415	499562.6	3733690	7.09E-03	0.00E+00	7.09E-03	1.24E-03
6416	499527.1	3733711	6.22E-03	0.00E+00	6.22E-03	1.08E-03
6417	499354.4	3733469	3.03E-03	0.00E+00	3.03E-03	5.28E-04
6418	499350.6	3733454	2.96E-03	0.00E+00	2.96E-03	5.16E-04
6419	499346.8	3733438	2.89E-03	0.00E+00	2.89E-03	5.04E-04
6420	499343	3733422	2.82E-03	0.00E+00	2.82E-03	4.92E-04
6421	499339.2	3733406	2.75E-03	0.00E+00	2.75E-03	4.80E-04
6422	499335.4	3733390	2.69E-03	0.00E+00	2.69E-03	4.68E-04
6423	499331.6	3733374	2.62E-03	0.00E+00	2.62E-03	4.57E-04
6424	499327.8	3733358	2.56E-03	0.00E+00	2.56E-03	4.46E-04
6425	499324	3733342	2.50E-03	0.00E+00	2.50E-03	4.36E-04
6426	499320.2	3733326	2.44E-03	0.00E+00	2.44E-03	4.26E-04
6427	499316.4	3733311	2.38E-03	0.00E+00	2.38E-03	4.16E-04
6428	499312.6	3733295	2.33E-03	0.00E+00	2.33E-03	4.06E-04
6429	499539.2	3733722	6.49E-03	0.00E+00	6.49E-03	1.13E-03
6430	499503.7	3733744	5.73E-03	0.00E+00	5.73E-03	9.99E-04
6431	499460.8	3733694	4.91E-03	0.00E+00	4.91E-03	8.55E-04
6432	499450	3733681	4.72E-03	0.00E+00	4.72E-03	8.22E-04

6433	499439.3	3733669	4.53E-03	0.00E+00	4.53E-03	7.89E-04
6434	499353.5	3733568	3.25E-03	0.00E+00	3.25E-03	5.67E-04
6435	499342.8	3733556	3.12E-03	0.00E+00	3.12E-03	5.44E-04
6436	499330.1	3733535	2.97E-03	0.00E+00	2.97E-03	5.17E-04
6437	499326.3	3733519	2.90E-03	0.00E+00	2.90E-03	5.05E-04
6438	499322.5	3733503	2.83E-03	0.00E+00	2.83E-03	4.94E-04
6439	499318.6	3733487	2.77E-03	0.00E+00	2.77E-03	4.83E-04
6440	499314.8	3733471	2.71E-03	0.00E+00	2.71E-03	4.72E-04
6441	499311	3733455	2.65E-03	0.00E+00	2.65E-03	4.61E-04
6442	499307.1	3733439	2.59E-03	0.00E+00	2.59E-03	4.50E-04
6443	499303.3	3733423	2.53E-03	0.00E+00	2.53E-03	4.40E-04
6444	499299.5	3733407	2.47E-03	0.00E+00	2.47E-03	4.30E-04
6445	499295.6	3733391	2.41E-03	0.00E+00	2.41E-03	4.20E-04
6446	499291.8	3733375	2.36E-03	0.00E+00	2.36E-03	4.11E-04
6447	499288	3733359	2.31E-03	0.00E+00	2.31E-03	4.02E-04
6448	499284.1	3733343	2.25E-03	0.00E+00	2.25E-03	3.93E-04
6449	499280.3	3733327	2.20E-03	0.00E+00	2.20E-03	3.84E-04
6450	499276.5	3733311	2.15E-03	0.00E+00	2.15E-03	3.75E-04
6451	499272.6	3733295	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6452	499515.7	3733755	5.97E-03	0.00E+00	5.97E-03	1.04E-03
6453	499480.3	3733776	5.31E-03	0.00E+00	5.31E-03	9.25E-04
6454	499469.8	3733764	5.13E-03	0.00E+00	5.13E-03	8.94E-04
6455	499459.3	3733752	4.95E-03	0.00E+00	4.95E-03	8.62E-04
6456	499448.8	3733739	4.77E-03	0.00E+00	4.77E-03	8.32E-04
6457	499438.3	3733727	4.60E-03	0.00E+00	4.60E-03	8.02E-04
6458	499427.8	3733715	4.43E-03	0.00E+00	4.43E-03	7.72E-04
6459	499417.3	3733703	4.27E-03	0.00E+00	4.27E-03	7.43E-04
6460	499354.2	3733629	3.38E-03	0.00E+00	3.38E-03	5.90E-04
6461	499343.7	3733617	3.26E-03	0.00E+00	3.26E-03	5.67E-04
6462	499333.2	3733604	3.13E-03	0.00E+00	3.13E-03	5.46E-04
6463	499322.7	3733592	3.01E-03	0.00E+00	3.01E-03	5.25E-04
6464	499312.2	3733580	2.90E-03	0.00E+00	2.90E-03	5.06E-04
6465	499301.7	3733568	2.79E-03	0.00E+00	2.79E-03	4.87E-04
6466	499294.5	3733554	2.71E-03	0.00E+00	2.71E-03	4.73E-04
6467	499290.8	3733538	2.66E-03	0.00E+00	2.66E-03	4.63E-04
6468	499287	3733522	2.60E-03	0.00E+00	2.60E-03	4.53E-04
6469	499283.3	3733506	2.55E-03	0.00E+00	2.55E-03	4.44E-04
6470	499279.5	3733491	2.49E-03	0.00E+00	2.49E-03	4.35E-04
6471	499275.8	3733475	2.44E-03	0.00E+00	2.44E-03	4.25E-04
6472	499272	3733459	2.39E-03	0.00E+00	2.39E-03	4.16E-04
6473	499268.2	3733444	2.34E-03	0.00E+00	2.34E-03	4.08E-04
6474	499264.5	3733428	2.29E-03	0.00E+00	2.29E-03	3.99E-04
6475	499260.7	3733412	2.24E-03	0.00E+00	2.24E-03	3.91E-04
6476	499257	3733396	2.20E-03	0.00E+00	2.20E-03	3.83E-04
6477	499253.2	3733381	2.15E-03	0.00E+00	2.15E-03	3.75E-04
6478	499249.5	3733365	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6479	499245.7	3733349	2.06E-03	0.00E+00	2.06E-03	3.59E-04

6480	499241.9	3733334	2.02E-03	0.00E+00	2.02E-03	3.52E-04
6481	499238.2	3733318	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6482	499234.4	3733302	1.94E-03	0.00E+00	1.94E-03	3.38E-04
6483	499492.3	3733787	5.52E-03	0.00E+00	5.52E-03	9.61E-04
6484	499456.9	3733809	4.93E-03	0.00E+00	4.93E-03	8.59E-04
6485	499446.3	3733796	4.77E-03	0.00E+00	4.77E-03	8.31E-04
6486	499435.7	3733784	4.61E-03	0.00E+00	4.61E-03	8.04E-04
6487	499425.1	3733771	4.46E-03	0.00E+00	4.46E-03	7.76E-04
6488	499414.5	3733759	4.30E-03	0.00E+00	4.30E-03	7.50E-04
6489	499350.9	3733685	3.45E-03	0.00E+00	3.45E-03	6.01E-04
6490	499340.3	3733672	3.32E-03	0.00E+00	3.32E-03	5.79E-04
6491	499329.7	3733660	3.20E-03	0.00E+00	3.20E-03	5.58E-04
6492	499319.1	3733648	3.08E-03	0.00E+00	3.08E-03	5.37E-04
6493	499308.5	3733635	2.97E-03	0.00E+00	2.97E-03	5.18E-04
6494	499297.9	3733623	2.86E-03	0.00E+00	2.86E-03	4.99E-04
6495	499287.3	3733611	2.76E-03	0.00E+00	2.76E-03	4.81E-04
6496	499276.7	3733598	2.66E-03	0.00E+00	2.66E-03	4.64E-04
6497	499266.1	3733586	2.57E-03	0.00E+00	2.57E-03	4.47E-04
6498	499258.9	3733572	2.50E-03	0.00E+00	2.50E-03	4.35E-04
6499	499255.1	3733556	2.45E-03	0.00E+00	2.45E-03	4.26E-04
6500	499251.3	3733540	2.40E-03	0.00E+00	2.40E-03	4.18E-04
6501	499247.5	3733524	2.35E-03	0.00E+00	2.35E-03	4.09E-04
6502	499243.7	3733508	2.30E-03	0.00E+00	2.30E-03	4.01E-04
6503	499239.9	3733492	2.26E-03	0.00E+00	2.26E-03	3.93E-04
6504	499236.2	3733477	2.21E-03	0.00E+00	2.21E-03	3.85E-04
6505	499232.4	3733461	2.17E-03	0.00E+00	2.17E-03	3.77E-04
6506	499228.6	3733445	2.12E-03	0.00E+00	2.12E-03	3.70E-04
6507	499224.8	3733429	2.08E-03	0.00E+00	2.08E-03	3.62E-04
6508	499221	3733413	2.04E-03	0.00E+00	2.04E-03	3.55E-04
6509	499217.2	3733397	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6510	499213.4	3733381	1.96E-03	0.00E+00	1.96E-03	3.41E-04
6511	499209.6	3733366	1.92E-03	0.00E+00	1.92E-03	3.34E-04
6512	499205.8	3733350	1.88E-03	0.00E+00	1.88E-03	3.28E-04
6513	499202.1	3733334	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6514	499198.3	3733318	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6515	499194.5	3733302	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6516	499468.9	3733820	5.11E-03	0.00E+00	5.11E-03	8.91E-04
6517	499433.4	3733841	4.60E-03	0.00E+00	4.60E-03	8.01E-04
6518	499422.7	3733828	4.45E-03	0.00E+00	4.45E-03	7.76E-04
6519	499412	3733816	4.31E-03	0.00E+00	4.31E-03	7.51E-04
6520	499337.3	3733729	3.38E-03	0.00E+00	3.38E-03	5.89E-04
6521	499326.6	3733716	3.26E-03	0.00E+00	3.26E-03	5.69E-04
6522	499315.9	3733704	3.15E-03	0.00E+00	3.15E-03	5.48E-04
6523	499305.2	3733691	3.03E-03	0.00E+00	3.03E-03	5.29E-04
6524	499294.6	3733679	2.93E-03	0.00E+00	2.93E-03	5.10E-04
6525	499283.9	3733666	2.82E-03	0.00E+00	2.82E-03	4.92E-04
6526	499273.2	3733654	2.72E-03	0.00E+00	2.72E-03	4.75E-04

6527	499262.5	3733641	2.63E-03	0.00E+00	2.63E-03	4.58E-04
6528	499251.8	3733629	2.54E-03	0.00E+00	2.54E-03	4.42E-04
6529	499241.2	3733616	2.45E-03	0.00E+00	2.45E-03	4.27E-04
6530	499230.5	3733604	2.37E-03	0.00E+00	2.37E-03	4.13E-04
6531	499223.2	3733590	2.30E-03	0.00E+00	2.30E-03	4.02E-04
6532	499219.4	3733574	2.26E-03	0.00E+00	2.26E-03	3.94E-04
6533	499215.6	3733558	2.22E-03	0.00E+00	2.22E-03	3.86E-04
6534	499211.8	3733542	2.17E-03	0.00E+00	2.17E-03	3.79E-04
6535	499208	3733526	2.13E-03	0.00E+00	2.13E-03	3.72E-04
6536	499204.1	3733510	2.09E-03	0.00E+00	2.09E-03	3.64E-04
6537	499200.3	3733494	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6538	499196.5	3733478	2.01E-03	0.00E+00	2.01E-03	3.51E-04
6539	499192.7	3733462	1.97E-03	0.00E+00	1.97E-03	3.44E-04
6540	499188.9	3733446	1.94E-03	0.00E+00	1.94E-03	3.37E-04
6541	499185.1	3733430	1.90E-03	0.00E+00	1.90E-03	3.31E-04
6542	499181.2	3733414	1.86E-03	0.00E+00	1.86E-03	3.24E-04
6543	499177.4	3733398	1.83E-03	0.00E+00	1.83E-03	3.18E-04
6544	499173.6	3733382	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6545	499169.8	3733366	1.76E-03	0.00E+00	1.76E-03	3.06E-04
6546	499166	3733350	1.73E-03	0.00E+00	1.73E-03	3.01E-04
6547	499162.2	3733334	1.69E-03	0.00E+00	1.69E-03	2.95E-04
6548	499158.3	3733318	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6549	499154.5	3733302	1.63E-03	0.00E+00	1.63E-03	2.84E-04
6550	499445.4	3733852	4.76E-03	0.00E+00	4.76E-03	8.29E-04
6551	499409.9	3733873	4.30E-03	0.00E+00	4.30E-03	7.49E-04
6552	499291.7	3733735	2.99E-03	0.00E+00	2.99E-03	5.20E-04
6553	499280.9	3733723	2.88E-03	0.00E+00	2.88E-03	5.02E-04
6554	499270.1	3733710	2.78E-03	0.00E+00	2.78E-03	4.85E-04
6555	499259.4	3733698	2.69E-03	0.00E+00	2.69E-03	4.69E-04
6556	499248.6	3733685	2.60E-03	0.00E+00	2.60E-03	4.53E-04
6557	499237.9	3733672	2.51E-03	0.00E+00	2.51E-03	4.37E-04
6558	499227.1	3733660	2.43E-03	0.00E+00	2.43E-03	4.23E-04
6559	499216.4	3733647	2.34E-03	0.00E+00	2.34E-03	4.08E-04
6560	499205.6	3733635	2.27E-03	0.00E+00	2.27E-03	3.95E-04
6561	499194.9	3733622	2.19E-03	0.00E+00	2.19E-03	3.82E-04
6562	499187.6	3733608	2.14E-03	0.00E+00	2.14E-03	3.72E-04
6563	499183.7	3733592	2.10E-03	0.00E+00	2.10E-03	3.65E-04
6564	499179.9	3733576	2.06E-03	0.00E+00	2.06E-03	3.59E-04
6565	499176.1	3733560	2.02E-03	0.00E+00	2.02E-03	3.52E-04
6566	499172.2	3733544	1.98E-03	0.00E+00	1.98E-03	3.46E-04
6567	499168.4	3733527	1.95E-03	0.00E+00	1.95E-03	3.39E-04
6568	499164.5	3733511	1.91E-03	0.00E+00	1.91E-03	3.33E-04
6569	499160.7	3733495	1.88E-03	0.00E+00	1.88E-03	3.27E-04
6570	499156.8	3733479	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6571	499153	3733463	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6572	499149.2	3733447	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6573	499145.3	3733431	1.74E-03	0.00E+00	1.74E-03	3.03E-04

6574	499141.5	3733415	1.71E-03	0.00E+00	1.71E-03	2.98E-04
6575	499137.6	3733399	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6576	499133.8	3733383	1.65E-03	0.00E+00	1.65E-03	2.87E-04
6577	499129.9	3733367	1.62E-03	0.00E+00	1.62E-03	2.82E-04
6578	499126.1	3733351	1.59E-03	0.00E+00	1.59E-03	2.77E-04
6579	499122.2	3733335	1.56E-03	0.00E+00	1.56E-03	2.72E-04
6580	499118.4	3733318	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6581	499114.6	3733302	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6582	499422	3733884	4.44E-03	0.00E+00	4.44E-03	7.74E-04
6583	499249.1	3733745	2.68E-03	0.00E+00	2.68E-03	4.67E-04
6584	499238.5	3733733	2.59E-03	0.00E+00	2.59E-03	4.52E-04
6585	499227.9	3733721	2.51E-03	0.00E+00	2.51E-03	4.37E-04
6586	499217.3	3733708	2.43E-03	0.00E+00	2.43E-03	4.23E-04
6587	499206.8	3733696	2.35E-03	0.00E+00	2.35E-03	4.10E-04
6588	499196.2	3733683	2.28E-03	0.00E+00	2.28E-03	3.97E-04
6589	499185.6	3733671	2.20E-03	0.00E+00	2.20E-03	3.84E-04
6590	499175	3733659	2.14E-03	0.00E+00	2.14E-03	3.72E-04
6591	499164.4	3733646	2.07E-03	0.00E+00	2.07E-03	3.60E-04
6592	499152	3733626	1.99E-03	0.00E+00	1.99E-03	3.46E-04
6593	499148.2	3733610	1.95E-03	0.00E+00	1.95E-03	3.40E-04
6594	499144.4	3733595	1.92E-03	0.00E+00	1.92E-03	3.34E-04
6595	499140.6	3733579	1.89E-03	0.00E+00	1.89E-03	3.29E-04
6596	499136.9	3733563	1.85E-03	0.00E+00	1.85E-03	3.23E-04
6597	499133.1	3733547	1.82E-03	0.00E+00	1.82E-03	3.17E-04
6598	499129.3	3733531	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6599	499125.5	3733515	1.76E-03	0.00E+00	1.76E-03	3.06E-04
6600	499121.7	3733500	1.73E-03	0.00E+00	1.73E-03	3.01E-04
6601	499118	3733484	1.70E-03	0.00E+00	1.70E-03	2.96E-04
6602	499114.2	3733468	1.67E-03	0.00E+00	1.67E-03	2.91E-04
6603	499110.4	3733452	1.64E-03	0.00E+00	1.64E-03	2.86E-04
6604	499106.6	3733436	1.61E-03	0.00E+00	1.61E-03	2.81E-04
6605	499102.8	3733421	1.59E-03	0.00E+00	1.59E-03	2.76E-04
6606	499099	3733405	1.56E-03	0.00E+00	1.56E-03	2.72E-04
6607	499095.3	3733389	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6608	499091.5	3733373	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6609	499087.7	3733357	1.48E-03	0.00E+00	1.48E-03	2.58E-04
6610	499083.9	3733341	1.46E-03	0.00E+00	1.46E-03	2.54E-04
6611	499080.1	3733326	1.43E-03	0.00E+00	1.43E-03	2.50E-04
6612	499076.4	3733310	1.41E-03	0.00E+00	1.41E-03	2.46E-04
6613	499072.6	3733294	1.39E-03	0.00E+00	1.39E-03	2.41E-04
6614	499398.6	3733917	4.16E-03	0.00E+00	4.16E-03	7.24E-04
6615	499363.1	3733938	3.79E-03	0.00E+00	3.79E-03	6.59E-04
6616	499352.5	3733926	3.68E-03	0.00E+00	3.68E-03	6.42E-04
6617	499341.8	3733913	3.58E-03	0.00E+00	3.58E-03	6.24E-04
6618	499331.2	3733901	3.48E-03	0.00E+00	3.48E-03	6.07E-04
6619	499320.5	3733888	3.38E-03	0.00E+00	3.38E-03	5.89E-04
6620	499192.8	3733739	2.32E-03	0.00E+00	2.32E-03	4.05E-04

6621	499182.1	3733727	2.25E-03	0.00E+00	2.25E-03	3.92E-04
6622	499171.5	3733714	2.18E-03	0.00E+00	2.18E-03	3.80E-04
6623	499160.8	3733702	2.11E-03	0.00E+00	2.11E-03	3.68E-04
6624	499150.2	3733690	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6625	499139.5	3733677	1.99E-03	0.00E+00	1.99E-03	3.46E-04
6626	499128.9	3733665	1.93E-03	0.00E+00	1.93E-03	3.36E-04
6627	499116.3	3733644	1.86E-03	0.00E+00	1.86E-03	3.23E-04
6628	499112.5	3733628	1.82E-03	0.00E+00	1.82E-03	3.18E-04
6629	499108.7	3733612	1.79E-03	0.00E+00	1.79E-03	3.13E-04
6630	499104.9	3733597	1.76E-03	0.00E+00	1.76E-03	3.07E-04
6631	499101.1	3733581	1.73E-03	0.00E+00	1.73E-03	3.02E-04
6632	499097.3	3733565	1.71E-03	0.00E+00	1.71E-03	2.97E-04
6633	499093.5	3733549	1.68E-03	0.00E+00	1.68E-03	2.92E-04
6634	499089.7	3733533	1.65E-03	0.00E+00	1.65E-03	2.87E-04
6635	499085.9	3733517	1.62E-03	0.00E+00	1.62E-03	2.83E-04
6636	499082.1	3733501	1.60E-03	0.00E+00	1.60E-03	2.78E-04
6637	499078.3	3733485	1.57E-03	0.00E+00	1.57E-03	2.73E-04
6638	499074.5	3733469	1.54E-03	0.00E+00	1.54E-03	2.69E-04
6639	499070.7	3733453	1.52E-03	0.00E+00	1.52E-03	2.64E-04
6640	499066.9	3733437	1.49E-03	0.00E+00	1.49E-03	2.60E-04
6641	499063	3733421	1.47E-03	0.00E+00	1.47E-03	2.56E-04
6642	499059.2	3733405	1.45E-03	0.00E+00	1.45E-03	2.52E-04
6643	499055.4	3733390	1.42E-03	0.00E+00	1.42E-03	2.48E-04
6644	499051.6	3733374	1.40E-03	0.00E+00	1.40E-03	2.44E-04
6645	499047.8	3733358	1.38E-03	0.00E+00	1.38E-03	2.40E-04
6646	499044	3733342	1.35E-03	0.00E+00	1.35E-03	2.36E-04
6647	499040.2	3733326	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6648	499036.4	3733310	1.31E-03	0.00E+00	1.31E-03	2.28E-04
6649	499032.6	3733294	1.29E-03	0.00E+00	1.29E-03	2.25E-04
6650	499339.7	3733971	3.57E-03	0.00E+00	3.57E-03	6.21E-04
6651	499328.9	3733958	3.47E-03	0.00E+00	3.47E-03	6.05E-04
6652	499318.2	3733946	3.38E-03	0.00E+00	3.38E-03	5.89E-04
6653	499307.5	3733933	3.29E-03	0.00E+00	3.29E-03	5.73E-04
6654	499296.8	3733921	3.20E-03	0.00E+00	3.20E-03	5.57E-04
6655	499286.1	3733908	3.11E-03	0.00E+00	3.11E-03	5.42E-04
6656	499275.4	3733896	3.02E-03	0.00E+00	3.02E-03	5.26E-04
6657	499146.9	3733745	2.09E-03	0.00E+00	2.09E-03	3.65E-04
6658	499136.1	3733733	2.03E-03	0.00E+00	2.03E-03	3.54E-04
6659	499125.4	3733720	1.97E-03	0.00E+00	1.97E-03	3.43E-04
6660	499114.7	3733708	1.91E-03	0.00E+00	1.91E-03	3.33E-04
6661	499104	3733695	1.86E-03	0.00E+00	1.86E-03	3.23E-04
6662	499093.3	3733683	1.80E-03	0.00E+00	1.80E-03	3.14E-04
6663	499080.7	3733662	1.74E-03	0.00E+00	1.74E-03	3.03E-04
6664	499076.9	3733646	1.71E-03	0.00E+00	1.71E-03	2.98E-04
6665	499073	3733630	1.68E-03	0.00E+00	1.68E-03	2.93E-04
6666	499069.2	3733614	1.65E-03	0.00E+00	1.65E-03	2.88E-04
6667	499065.4	3733598	1.63E-03	0.00E+00	1.63E-03	2.83E-04

6668	499061.5	3733582	1.60E-03	0.00E+00	1.60E-03	2.79E-04
6669	499057.7	3733566	1.58E-03	0.00E+00	1.58E-03	2.74E-04
6670	499053.9	3733550	1.55E-03	0.00E+00	1.55E-03	2.70E-04
6671	499050.1	3733534	1.53E-03	0.00E+00	1.53E-03	2.66E-04
6672	499046.2	3733518	1.50E-03	0.00E+00	1.50E-03	2.62E-04
6673	499042.4	3733502	1.48E-03	0.00E+00	1.48E-03	2.57E-04
6674	499038.6	3733486	1.45E-03	0.00E+00	1.45E-03	2.53E-04
6675	499034.7	3733470	1.43E-03	0.00E+00	1.43E-03	2.49E-04
6676	499030.9	3733454	1.41E-03	0.00E+00	1.41E-03	2.45E-04
6677	499027.1	3733438	1.39E-03	0.00E+00	1.39E-03	2.42E-04
6678	499023.3	3733422	1.36E-03	0.00E+00	1.36E-03	2.38E-04
6679	499019.4	3733406	1.34E-03	0.00E+00	1.34E-03	2.34E-04
6680	499015.6	3733390	1.32E-03	0.00E+00	1.32E-03	2.30E-04
6681	499011.8	3733374	1.30E-03	0.00E+00	1.30E-03	2.27E-04
6682	499007.9	3733358	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6683	499004.1	3733342	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6684	499000.3	3733326	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6685	498996.5	3733310	1.22E-03	0.00E+00	1.22E-03	2.13E-04
6686	498992.6	3733294	1.21E-03	0.00E+00	1.21E-03	2.10E-04
6687	499351.7	3733982	3.67E-03	0.00E+00	3.67E-03	6.39E-04
6688	499316.2	3734003	3.37E-03	0.00E+00	3.37E-03	5.86E-04
6689	499305.4	3733990	3.28E-03	0.00E+00	3.28E-03	5.72E-04
6690	499294.7	3733978	3.20E-03	0.00E+00	3.20E-03	5.57E-04
6691	499283.9	3733965	3.12E-03	0.00E+00	3.12E-03	5.43E-04
6692	499273.1	3733953	3.03E-03	0.00E+00	3.03E-03	5.28E-04
6693	499262.3	3733940	2.95E-03	0.00E+00	2.95E-03	5.14E-04
6694	499251.6	3733928	2.87E-03	0.00E+00	2.87E-03	5.00E-04
6695	499240.8	3733915	2.79E-03	0.00E+00	2.79E-03	4.86E-04
6696	499230	3733902	2.71E-03	0.00E+00	2.71E-03	4.72E-04
6697	499219.3	3733890	2.63E-03	0.00E+00	2.63E-03	4.58E-04
6698	499208.5	3733877	2.55E-03	0.00E+00	2.55E-03	4.45E-04
6699	499197.7	3733865	2.48E-03	0.00E+00	2.48E-03	4.32E-04
6700	499187	3733852	2.41E-03	0.00E+00	2.41E-03	4.19E-04
6701	499090	3733739	1.84E-03	0.00E+00	1.84E-03	3.21E-04
6702	499079.3	3733726	1.79E-03	0.00E+00	1.79E-03	3.12E-04
6703	499068.5	3733714	1.74E-03	0.00E+00	1.74E-03	3.03E-04
6704	499057.7	3733701	1.69E-03	0.00E+00	1.69E-03	2.94E-04
6705	499045	3733681	1.63E-03	0.00E+00	1.63E-03	2.84E-04
6706	499041.2	3733664	1.60E-03	0.00E+00	1.60E-03	2.79E-04
6707	499037.3	3733648	1.58E-03	0.00E+00	1.58E-03	2.75E-04
6708	499033.5	3733632	1.55E-03	0.00E+00	1.55E-03	2.71E-04
6709	499029.6	3733616	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6710	499025.8	3733600	1.51E-03	0.00E+00	1.51E-03	2.63E-04
6711	499021.9	3733584	1.48E-03	0.00E+00	1.48E-03	2.58E-04
6712	499018.1	3733568	1.46E-03	0.00E+00	1.46E-03	2.54E-04
6713	499014.2	3733552	1.44E-03	0.00E+00	1.44E-03	2.50E-04
6714	499010.4	3733536	1.42E-03	0.00E+00	1.42E-03	2.47E-04

6715	499006.5	3733520	1.39E-03	0.00E+00	1.39E-03	2.43E-04
6716	499002.7	3733503	1.37E-03	0.00E+00	1.37E-03	2.39E-04
6717	498998.8	3733487	1.35E-03	0.00E+00	1.35E-03	2.36E-04
6718	498995	3733471	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6719	498991.1	3733455	1.31E-03	0.00E+00	1.31E-03	2.29E-04
6720	498987.3	3733439	1.29E-03	0.00E+00	1.29E-03	2.25E-04
6721	498983.4	3733423	1.27E-03	0.00E+00	1.27E-03	2.22E-04
6722	498979.6	3733407	1.25E-03	0.00E+00	1.25E-03	2.18E-04
6723	498975.7	3733391	1.24E-03	0.00E+00	1.24E-03	2.15E-04
6724	498971.9	3733375	1.22E-03	0.00E+00	1.22E-03	2.12E-04
6725	498968	3733358	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6726	498964.2	3733342	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6727	498960.3	3733326	1.16E-03	0.00E+00	1.16E-03	2.03E-04
6728	498956.5	3733310	1.15E-03	0.00E+00	1.15E-03	2.00E-04
6729	498952.6	3733294	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6730	499328.3	3734014	3.46E-03	0.00E+00	3.46E-03	6.03E-04
6731	499295.4	3734032	3.20E-03	0.00E+00	3.20E-03	5.58E-04
6732	499284.8	3734020	3.13E-03	0.00E+00	3.13E-03	5.45E-04
6733	499274.2	3734007	3.05E-03	0.00E+00	3.05E-03	5.32E-04
6734	499263.6	3733995	2.98E-03	0.00E+00	2.98E-03	5.19E-04
6735	499253.1	3733983	2.90E-03	0.00E+00	2.90E-03	5.06E-04
6736	499242.5	3733970	2.83E-03	0.00E+00	2.83E-03	4.93E-04
6737	499231.9	3733958	2.75E-03	0.00E+00	2.75E-03	4.80E-04
6738	499221.3	3733946	2.68E-03	0.00E+00	2.68E-03	4.67E-04
6739	499210.8	3733933	2.61E-03	0.00E+00	2.61E-03	4.54E-04
6740	499200.2	3733921	2.54E-03	0.00E+00	2.54E-03	4.42E-04
6741	499189.6	3733909	2.47E-03	0.00E+00	2.47E-03	4.30E-04
6742	499179	3733896	2.40E-03	0.00E+00	2.40E-03	4.18E-04
6743	499168.5	3733884	2.33E-03	0.00E+00	2.33E-03	4.06E-04
6744	499157.9	3733872	2.27E-03	0.00E+00	2.27E-03	3.95E-04
6745	499147.3	3733859	2.20E-03	0.00E+00	2.20E-03	3.84E-04
6746	499041.6	3733736	1.66E-03	0.00E+00	1.66E-03	2.90E-04
6747	499031	3733723	1.62E-03	0.00E+00	1.62E-03	2.82E-04
6748	499020.4	3733711	1.57E-03	0.00E+00	1.57E-03	2.74E-04
6749	499013.3	3733697	1.54E-03	0.00E+00	1.54E-03	2.69E-04
6750	499009.5	3733681	1.52E-03	0.00E+00	1.52E-03	2.65E-04
6751	499005.7	3733665	1.50E-03	0.00E+00	1.50E-03	2.61E-04
6752	499001.9	3733649	1.48E-03	0.00E+00	1.48E-03	2.57E-04
6753	498998.1	3733634	1.45E-03	0.00E+00	1.45E-03	2.53E-04
6754	498994.4	3733618	1.43E-03	0.00E+00	1.43E-03	2.50E-04
6755	498990.6	3733602	1.41E-03	0.00E+00	1.41E-03	2.46E-04
6756	498986.8	3733586	1.39E-03	0.00E+00	1.39E-03	2.42E-04
6757	498983	3733570	1.37E-03	0.00E+00	1.37E-03	2.39E-04
6758	498979.2	3733555	1.35E-03	0.00E+00	1.35E-03	2.35E-04
6759	498975.5	3733539	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6760	498971.7	3733523	1.31E-03	0.00E+00	1.31E-03	2.29E-04
6761	498967.9	3733507	1.29E-03	0.00E+00	1.29E-03	2.25E-04

6762	498964.1	3733491	1.27E-03	0.00E+00	1.27E-03	2.22E-04
6763	498960.3	3733476	1.26E-03	0.00E+00	1.26E-03	2.19E-04
6764	498956.6	3733460	1.24E-03	0.00E+00	1.24E-03	2.16E-04
6765	498952.8	3733444	1.22E-03	0.00E+00	1.22E-03	2.13E-04
6766	498949	3733428	1.20E-03	0.00E+00	1.20E-03	2.10E-04
6767	498945.2	3733412	1.19E-03	0.00E+00	1.19E-03	2.07E-04
6768	498941.4	3733396	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6769	498937.7	3733381	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6770	498933.9	3733365	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6771	498930.1	3733349	1.12E-03	0.00E+00	1.12E-03	1.95E-04
6772	498926.3	3733333	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6773	498922.5	3733317	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6774	498918.8	3733302	1.08E-03	0.00E+00	1.08E-03	1.87E-04
6775	499307.4	3734043	3.29E-03	0.00E+00	3.29E-03	5.73E-04
6776	499274.4	3734061	3.05E-03	0.00E+00	3.05E-03	5.32E-04
6777	499263.9	3734049	2.98E-03	0.00E+00	2.98E-03	5.20E-04
6778	499253.3	3734036	2.91E-03	0.00E+00	2.91E-03	5.08E-04
6779	499242.7	3734024	2.84E-03	0.00E+00	2.84E-03	4.95E-04
6780	499232.1	3734012	2.77E-03	0.00E+00	2.77E-03	4.83E-04
6781	499221.5	3733999	2.71E-03	0.00E+00	2.71E-03	4.71E-04
6782	499210.9	3733987	2.64E-03	0.00E+00	2.64E-03	4.59E-04
6783	499200.3	3733974	2.57E-03	0.00E+00	2.57E-03	4.48E-04
6784	499189.8	3733962	2.50E-03	0.00E+00	2.50E-03	4.36E-04
6785	499179.2	3733950	2.44E-03	0.00E+00	2.44E-03	4.24E-04
6786	499168.6	3733937	2.37E-03	0.00E+00	2.37E-03	4.13E-04
6787	499158	3733925	2.31E-03	0.00E+00	2.31E-03	4.02E-04
6788	499147.4	3733913	2.24E-03	0.00E+00	2.24E-03	3.91E-04
6789	499136.8	3733900	2.18E-03	0.00E+00	2.18E-03	3.81E-04
6790	499126.2	3733888	2.12E-03	0.00E+00	2.12E-03	3.70E-04
6791	499115.6	3733876	2.07E-03	0.00E+00	2.07E-03	3.60E-04
6792	499105.1	3733863	2.01E-03	0.00E+00	2.01E-03	3.50E-04
6793	498999.2	3733740	1.53E-03	0.00E+00	1.53E-03	2.67E-04
6794	498988.6	3733727	1.49E-03	0.00E+00	1.49E-03	2.60E-04
6795	498981.4	3733713	1.46E-03	0.00E+00	1.46E-03	2.55E-04
6796	498977.6	3733697	1.44E-03	0.00E+00	1.44E-03	2.51E-04
6797	498973.9	3733681	1.42E-03	0.00E+00	1.42E-03	2.48E-04
6798	498970.1	3733666	1.40E-03	0.00E+00	1.40E-03	2.44E-04
6799	498966.3	3733650	1.38E-03	0.00E+00	1.38E-03	2.41E-04
6800	498962.5	3733634	1.36E-03	0.00E+00	1.36E-03	2.37E-04
6801	498958.7	3733618	1.34E-03	0.00E+00	1.34E-03	2.34E-04
6802	498954.9	3733602	1.32E-03	0.00E+00	1.32E-03	2.31E-04
6803	498951.2	3733586	1.31E-03	0.00E+00	1.31E-03	2.27E-04
6804	498947.4	3733571	1.29E-03	0.00E+00	1.29E-03	2.24E-04
6805	498943.6	3733555	1.27E-03	0.00E+00	1.27E-03	2.21E-04
6806	498939.8	3733539	1.25E-03	0.00E+00	1.25E-03	2.18E-04
6807	498936	3733523	1.23E-03	0.00E+00	1.23E-03	2.15E-04
6808	498932.2	3733507	1.22E-03	0.00E+00	1.22E-03	2.12E-04

6809	498928.5	3733491	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6810	498924.7	3733476	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6811	498920.9	3733460	1.17E-03	0.00E+00	1.17E-03	2.03E-04
6812	498917.1	3733444	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6813	498913.3	3733428	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6814	498909.5	3733412	1.12E-03	0.00E+00	1.12E-03	1.95E-04
6815	498905.7	3733397	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6816	498902	3733381	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6817	498898.2	3733365	1.08E-03	0.00E+00	1.08E-03	1.87E-04
6818	498894.4	3733349	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6819	498890.6	3733333	1.05E-03	0.00E+00	1.05E-03	1.82E-04
6820	498886.8	3733317	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6821	498883	3733302	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6822	499286.4	3734072	3.13E-03	0.00E+00	3.13E-03	5.45E-04
6823	499253.5	3734090	2.91E-03	0.00E+00	2.91E-03	5.07E-04
6824	499242.9	3734078	2.85E-03	0.00E+00	2.85E-03	4.96E-04
6825	499232.3	3734065	2.78E-03	0.00E+00	2.78E-03	4.85E-04
6826	499221.7	3734053	2.72E-03	0.00E+00	2.72E-03	4.74E-04
6827	499211.1	3734040	2.66E-03	0.00E+00	2.66E-03	4.63E-04
6828	499200.5	3734028	2.59E-03	0.00E+00	2.59E-03	4.52E-04
6829	499189.9	3734016	2.53E-03	0.00E+00	2.53E-03	4.41E-04
6830	499179.3	3734003	2.47E-03	0.00E+00	2.47E-03	4.30E-04
6831	499168.7	3733991	2.40E-03	0.00E+00	2.40E-03	4.19E-04
6832	499158.1	3733979	2.34E-03	0.00E+00	2.34E-03	4.08E-04
6833	499147.5	3733966	2.28E-03	0.00E+00	2.28E-03	3.98E-04
6834	499136.9	3733954	2.22E-03	0.00E+00	2.22E-03	3.87E-04
6835	499126.4	3733941	2.16E-03	0.00E+00	2.16E-03	3.77E-04
6836	499115.8	3733929	2.11E-03	0.00E+00	2.11E-03	3.67E-04
6837	499105.2	3733917	2.05E-03	0.00E+00	2.05E-03	3.57E-04
6838	499094.6	3733904	2.00E-03	0.00E+00	2.00E-03	3.48E-04
6839	499084	3733892	1.94E-03	0.00E+00	1.94E-03	3.39E-04
6840	498956.8	3733743	1.42E-03	0.00E+00	1.42E-03	2.47E-04
6841	498949.6	3733729	1.39E-03	0.00E+00	1.39E-03	2.42E-04
6842	498945.8	3733713	1.37E-03	0.00E+00	1.37E-03	2.39E-04
6843	498942	3733698	1.35E-03	0.00E+00	1.35E-03	2.36E-04
6844	498938.2	3733682	1.33E-03	0.00E+00	1.33E-03	2.32E-04
6845	498934.5	3733666	1.31E-03	0.00E+00	1.31E-03	2.29E-04
6846	498930.7	3733650	1.30E-03	0.00E+00	1.30E-03	2.26E-04
6847	498926.9	3733634	1.28E-03	0.00E+00	1.28E-03	2.23E-04
6848	498923.1	3733618	1.26E-03	0.00E+00	1.26E-03	2.20E-04
6849	498919.3	3733603	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6850	498915.5	3733587	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6851	498911.7	3733571	1.21E-03	0.00E+00	1.21E-03	2.11E-04
6852	498907.9	3733555	1.20E-03	0.00E+00	1.20E-03	2.08E-04
6853	498904.2	3733539	1.18E-03	0.00E+00	1.18E-03	2.05E-04
6854	498900.4	3733523	1.16E-03	0.00E+00	1.16E-03	2.03E-04
6855	498896.6	3733507	1.15E-03	0.00E+00	1.15E-03	2.00E-04

6856	498892.8	3733492	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6857	498889	3733476	1.12E-03	0.00E+00	1.12E-03	1.95E-04
6858	498885.2	3733460	1.10E-03	0.00E+00	1.10E-03	1.92E-04
6859	498881.4	3733444	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6860	498877.6	3733428	1.07E-03	0.00E+00	1.07E-03	1.87E-04
6861	498873.9	3733412	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6862	498870.1	3733397	1.05E-03	0.00E+00	1.05E-03	1.82E-04
6863	498866.3	3733381	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6864	498862.5	3733365	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6865	498858.7	3733349	1.01E-03	0.00E+00	1.01E-03	1.75E-04
6866	498854.9	3733333	9.93E-04	0.00E+00	9.93E-04	1.73E-04
6867	498851.1	3733317	9.80E-04	0.00E+00	9.80E-04	1.71E-04
6868	498847.3	3733301	9.68E-04	0.00E+00	9.68E-04	1.69E-04
6869	499265.5	3734101	2.98E-03	0.00E+00	2.98E-03	5.20E-04
6870	499222	3734106	2.72E-03	0.00E+00	2.72E-03	4.74E-04
6871	499211.4	3734094	2.66E-03	0.00E+00	2.66E-03	4.64E-04
6872	499200.8	3734082	2.60E-03	0.00E+00	2.60E-03	4.54E-04
6873	499190.2	3734069	2.54E-03	0.00E+00	2.54E-03	4.43E-04
6874	499179.6	3734057	2.49E-03	0.00E+00	2.49E-03	4.33E-04
6875	499168.9	3734045	2.43E-03	0.00E+00	2.43E-03	4.23E-04
6876	499158.3	3734032	2.37E-03	0.00E+00	2.37E-03	4.13E-04
6877	499147.7	3734020	2.31E-03	0.00E+00	2.31E-03	4.03E-04
6878	499137.1	3734007	2.25E-03	0.00E+00	2.25E-03	3.93E-04
6879	499126.5	3733995	2.20E-03	0.00E+00	2.20E-03	3.83E-04
6880	499115.9	3733983	2.14E-03	0.00E+00	2.14E-03	3.73E-04
6881	499105.3	3733970	2.09E-03	0.00E+00	2.09E-03	3.64E-04
6882	499094.7	3733958	2.03E-03	0.00E+00	2.03E-03	3.54E-04
6883	499084.1	3733945	1.98E-03	0.00E+00	1.98E-03	3.45E-04
6884	499073.5	3733933	1.93E-03	0.00E+00	1.93E-03	3.36E-04
6885	499062.9	3733921	1.88E-03	0.00E+00	1.88E-03	3.28E-04
6886	499052.3	3733908	1.83E-03	0.00E+00	1.83E-03	3.19E-04
6887	499041.7	3733896	1.78E-03	0.00E+00	1.78E-03	3.11E-04
6888	498917.8	3733746	1.32E-03	0.00E+00	1.32E-03	2.31E-04
6889	498914	3733730	1.31E-03	0.00E+00	1.31E-03	2.27E-04
6890	498910.2	3733714	1.29E-03	0.00E+00	1.29E-03	2.24E-04
6891	498906.4	3733698	1.27E-03	0.00E+00	1.27E-03	2.21E-04
6892	498902.6	3733682	1.25E-03	0.00E+00	1.25E-03	2.18E-04
6893	498898.8	3733666	1.24E-03	0.00E+00	1.24E-03	2.16E-04
6894	498895	3733650	1.22E-03	0.00E+00	1.22E-03	2.13E-04
6895	498891.2	3733635	1.20E-03	0.00E+00	1.20E-03	2.10E-04
6896	498887.5	3733619	1.19E-03	0.00E+00	1.19E-03	2.07E-04
6897	498883.7	3733603	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6898	498879.9	3733587	1.16E-03	0.00E+00	1.16E-03	2.02E-04
6899	498876.1	3733571	1.14E-03	0.00E+00	1.14E-03	1.99E-04
6900	498872.3	3733555	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6901	498868.5	3733539	1.11E-03	0.00E+00	1.11E-03	1.94E-04
6902	498864.7	3733523	1.10E-03	0.00E+00	1.10E-03	1.92E-04

6903	498860.9	3733508	1.09E-03	0.00E+00	1.09E-03	1.89E-04
6904	498857.1	3733492	1.07E-03	0.00E+00	1.07E-03	1.87E-04
6905	498853.3	3733476	1.06E-03	0.00E+00	1.06E-03	1.84E-04
6906	498849.5	3733460	1.04E-03	0.00E+00	1.04E-03	1.82E-04
6907	498845.8	3733444	1.03E-03	0.00E+00	1.03E-03	1.80E-04
6908	498842	3733428	1.02E-03	0.00E+00	1.02E-03	1.77E-04
6909	498838.2	3733412	1.01E-03	0.00E+00	1.01E-03	1.75E-04
6910	498834.4	3733397	9.93E-04	0.00E+00	9.93E-04	1.73E-04
6911	498830.6	3733381	9.80E-04	0.00E+00	9.80E-04	1.71E-04
6912	498826.8	3733365	9.68E-04	0.00E+00	9.68E-04	1.69E-04
6913	498823	3733349	9.56E-04	0.00E+00	9.56E-04	1.67E-04
6914	498819.2	3733333	9.44E-04	0.00E+00	9.44E-04	1.64E-04
6915	498815.4	3733317	9.32E-04	0.00E+00	9.32E-04	1.62E-04
6916	498811.6	3733301	9.20E-04	0.00E+00	9.20E-04	1.60E-04
6917	499179.8	3734111	2.50E-03	0.00E+00	2.50E-03	4.35E-04
6918	499169.2	3734098	2.44E-03	0.00E+00	2.44E-03	4.25E-04
6919	499158.6	3734086	2.39E-03	0.00E+00	2.39E-03	4.16E-04
6920	499148	3734073	2.33E-03	0.00E+00	2.33E-03	4.06E-04
6921	499137.3	3734061	2.28E-03	0.00E+00	2.28E-03	3.97E-04
6922	499126.7	3734049	2.22E-03	0.00E+00	2.22E-03	3.87E-04
6923	499116.1	3734036	2.17E-03	0.00E+00	2.17E-03	3.78E-04
6924	499105.5	3734024	2.12E-03	0.00E+00	2.12E-03	3.69E-04
6925	499094.9	3734011	2.07E-03	0.00E+00	2.07E-03	3.60E-04
6926	499084.3	3733999	2.01E-03	0.00E+00	2.01E-03	3.51E-04
6927	499073.6	3733987	1.96E-03	0.00E+00	1.96E-03	3.42E-04
6928	499063	3733974	1.92E-03	0.00E+00	1.92E-03	3.34E-04
6929	499052.4	3733962	1.87E-03	0.00E+00	1.87E-03	3.25E-04
6930	499041.8	3733949	1.82E-03	0.00E+00	1.82E-03	3.17E-04
6931	499031.2	3733937	1.77E-03	0.00E+00	1.77E-03	3.09E-04
6932	499020.6	3733925	1.73E-03	0.00E+00	1.73E-03	3.01E-04
6933	499010	3733912	1.69E-03	0.00E+00	1.69E-03	2.94E-04
6934	498999.3	3733900	1.64E-03	0.00E+00	1.64E-03	2.86E-04
6935	498882.2	3733746	1.24E-03	0.00E+00	1.24E-03	2.17E-04
6936	498878.4	3733730	1.23E-03	0.00E+00	1.23E-03	2.14E-04
6937	498874.6	3733714	1.21E-03	0.00E+00	1.21E-03	2.11E-04
6938	498870.8	3733698	1.20E-03	0.00E+00	1.20E-03	2.09E-04
6939	498867	3733682	1.18E-03	0.00E+00	1.18E-03	2.06E-04
6940	498863.2	3733666	1.17E-03	0.00E+00	1.17E-03	2.03E-04
6941	498859.4	3733651	1.15E-03	0.00E+00	1.15E-03	2.01E-04
6942	498855.6	3733635	1.14E-03	0.00E+00	1.14E-03	1.98E-04
6943	498851.8	3733619	1.12E-03	0.00E+00	1.12E-03	1.96E-04
6944	498848	3733603	1.11E-03	0.00E+00	1.11E-03	1.93E-04
6945	498844.2	3733587	1.09E-03	0.00E+00	1.09E-03	1.91E-04
6946	498840.4	3733571	1.08E-03	0.00E+00	1.08E-03	1.88E-04
6947	498836.6	3733555	1.07E-03	0.00E+00	1.07E-03	1.86E-04
6948	498832.8	3733540	1.05E-03	0.00E+00	1.05E-03	1.84E-04
6949	498829	3733524	1.04E-03	0.00E+00	1.04E-03	1.81E-04

6950	498825.3	3733508	1.03E-03	0.00E+00	1.03E-03	1.79E-04
6951	498821.5	3733492	1.02E-03	0.00E+00	1.02E-03	1.77E-04
6952	498817.7	3733476	1.00E-03	0.00E+00	1.00E-03	1.75E-04
6953	498813.9	3733460	9.91E-04	0.00E+00	9.91E-04	1.73E-04
6954	498810.1	3733444	9.79E-04	0.00E+00	9.79E-04	1.71E-04
6955	498806.3	3733428	9.67E-04	0.00E+00	9.67E-04	1.68E-04
6956	498802.5	3733413	9.55E-04	0.00E+00	9.55E-04	1.66E-04
6957	498798.7	3733397	9.43E-04	0.00E+00	9.43E-04	1.64E-04
6958	498794.9	3733381	9.32E-04	0.00E+00	9.32E-04	1.62E-04
6959	498791.1	3733365	9.20E-04	0.00E+00	9.20E-04	1.60E-04
6960	498787.3	3733349	9.09E-04	0.00E+00	9.09E-04	1.58E-04
6961	498783.5	3733333	8.98E-04	0.00E+00	8.98E-04	1.56E-04
6962	498779.7	3733317	8.87E-04	0.00E+00	8.87E-04	1.55E-04
6963	498775.9	3733301	8.76E-04	0.00E+00	8.76E-04	1.53E-04
6964	499190.7	3734177	2.55E-03	0.00E+00	2.55E-03	4.44E-04
6965	499180.1	3734164	2.50E-03	0.00E+00	2.50E-03	4.35E-04
6966	499127	3734102	2.24E-03	0.00E+00	2.24E-03	3.91E-04
6967	499116.4	3734090	2.19E-03	0.00E+00	2.19E-03	3.82E-04
6968	499105.7	3734077	2.14E-03	0.00E+00	2.14E-03	3.73E-04
6969	499095.1	3734065	2.09E-03	0.00E+00	2.09E-03	3.65E-04
6970	499084.5	3734053	2.04E-03	0.00E+00	2.04E-03	3.56E-04
6971	499073.9	3734040	1.99E-03	0.00E+00	1.99E-03	3.47E-04
6972	499063.2	3734028	1.95E-03	0.00E+00	1.95E-03	3.39E-04
6973	499052.6	3734015	1.90E-03	0.00E+00	1.90E-03	3.31E-04
6974	499042	3734003	1.85E-03	0.00E+00	1.85E-03	3.23E-04
6975	499031.4	3733991	1.81E-03	0.00E+00	1.81E-03	3.15E-04
6976	499020.7	3733978	1.76E-03	0.00E+00	1.76E-03	3.07E-04
6977	499010.1	3733966	1.72E-03	0.00E+00	1.72E-03	3.00E-04
6978	498999.5	3733953	1.68E-03	0.00E+00	1.68E-03	2.92E-04
6979	498988.9	3733941	1.64E-03	0.00E+00	1.64E-03	2.85E-04
6980	498978.2	3733929	1.60E-03	0.00E+00	1.60E-03	2.78E-04
6981	498967.6	3733916	1.56E-03	0.00E+00	1.56E-03	2.71E-04
6982	498957	3733904	1.52E-03	0.00E+00	1.52E-03	2.65E-04
6983	498846.6	3733746	1.17E-03	0.00E+00	1.17E-03	2.04E-04
6984	498842.8	3733730	1.16E-03	0.00E+00	1.16E-03	2.02E-04
6985	498839	3733714	1.14E-03	0.00E+00	1.14E-03	1.99E-04
6986	498835.2	3733699	1.13E-03	0.00E+00	1.13E-03	1.97E-04
6987	498831.4	3733683	1.12E-03	0.00E+00	1.12E-03	1.94E-04
6988	498827.6	3733667	1.10E-03	0.00E+00	1.10E-03	1.92E-04
6989	498823.8	3733651	1.09E-03	0.00E+00	1.09E-03	1.90E-04
6990	498820	3733635	1.08E-03	0.00E+00	1.08E-03	1.87E-04
6991	498816.2	3733619	1.06E-03	0.00E+00	1.06E-03	1.85E-04
6992	498812.4	3733603	1.05E-03	0.00E+00	1.05E-03	1.83E-04
6993	498808.6	3733587	1.04E-03	0.00E+00	1.04E-03	1.81E-04
6994	498804.8	3733571	1.02E-03	0.00E+00	1.02E-03	1.78E-04
6995	498801	3733556	1.01E-03	0.00E+00	1.01E-03	1.76E-04
6996	498797.2	3733540	1.00E-03	0.00E+00	1.00E-03	1.74E-04

6997	498793.4	3733524	9.88E-04	0.00E+00	9.88E-04	1.72E-04
6998	498789.6	3733508	9.76E-04	0.00E+00	9.76E-04	1.70E-04
6999	498785.8	3733492	9.64E-04	0.00E+00	9.64E-04	1.68E-04
7000	498782	3733476	9.53E-04	0.00E+00	9.53E-04	1.66E-04
7001	498778.2	3733460	9.41E-04	0.00E+00	9.41E-04	1.64E-04
7002	498774.4	3733444	9.30E-04	0.00E+00	9.30E-04	1.62E-04
7003	498770.6	3733428	9.19E-04	0.00E+00	9.19E-04	1.60E-04
7004	498766.8	3733413	9.08E-04	0.00E+00	9.08E-04	1.58E-04
7005	498763	3733397	8.98E-04	0.00E+00	8.98E-04	1.56E-04
7006	498759.2	3733381	8.87E-04	0.00E+00	8.87E-04	1.55E-04
7007	498755.4	3733365	8.77E-04	0.00E+00	8.77E-04	1.53E-04
7008	498751.6	3733349	8.66E-04	0.00E+00	8.66E-04	1.51E-04
7009	498747.8	3733333	8.56E-04	0.00E+00	8.56E-04	1.49E-04
7010	498744	3733317	8.46E-04	0.00E+00	8.46E-04	1.47E-04
7011	498740.2	3733301	8.36E-04	0.00E+00	8.36E-04	1.46E-04
7012	499202.8	3734188	2.61E-03	0.00E+00	2.61E-03	4.54E-04
7013	499169.8	3734206	2.44E-03	0.00E+00	2.44E-03	4.26E-04
7014	499159.2	3734193	2.40E-03	0.00E+00	2.40E-03	4.18E-04
7015	499148.5	3734181	2.35E-03	0.00E+00	2.35E-03	4.09E-04
7016	499137.9	3734168	2.30E-03	0.00E+00	2.30E-03	4.01E-04
7017	499127.3	3734156	2.25E-03	0.00E+00	2.25E-03	3.93E-04
7018	499063.5	3734082	1.97E-03	0.00E+00	1.97E-03	3.44E-04
7019	499052.8	3734069	1.93E-03	0.00E+00	1.93E-03	3.36E-04
7020	499042.2	3734057	1.88E-03	0.00E+00	1.88E-03	3.28E-04
7021	499031.6	3734044	1.84E-03	0.00E+00	1.84E-03	3.20E-04
7022	499020.9	3734032	1.79E-03	0.00E+00	1.79E-03	3.12E-04
7023	499010.3	3734019	1.75E-03	0.00E+00	1.75E-03	3.05E-04
7024	498999.7	3734007	1.71E-03	0.00E+00	1.71E-03	2.98E-04
7025	498989	3733995	1.67E-03	0.00E+00	1.67E-03	2.91E-04
7026	498978.4	3733982	1.63E-03	0.00E+00	1.63E-03	2.84E-04
7027	498967.8	3733970	1.59E-03	0.00E+00	1.59E-03	2.77E-04
7028	498957.1	3733957	1.55E-03	0.00E+00	1.55E-03	2.70E-04
7029	498946.5	3733945	1.51E-03	0.00E+00	1.51E-03	2.64E-04
7030	498935.9	3733932	1.48E-03	0.00E+00	1.48E-03	2.57E-04
7031	498810.9	3733746	1.11E-03	0.00E+00	1.11E-03	1.93E-04
7032	498807.1	3733731	1.10E-03	0.00E+00	1.10E-03	1.91E-04
7033	498803.3	3733715	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7034	498799.5	3733699	1.07E-03	0.00E+00	1.07E-03	1.86E-04
7035	498795.7	3733683	1.06E-03	0.00E+00	1.06E-03	1.84E-04
7036	498791.9	3733667	1.04E-03	0.00E+00	1.04E-03	1.82E-04
7037	498788.1	3733651	1.03E-03	0.00E+00	1.03E-03	1.80E-04
7038	498784.3	3733635	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7039	498780.5	3733619	1.01E-03	0.00E+00	1.01E-03	1.75E-04
7040	498776.7	3733603	9.95E-04	0.00E+00	9.95E-04	1.73E-04
7041	498772.9	3733587	9.83E-04	0.00E+00	9.83E-04	1.71E-04
7042	498769.1	3733572	9.72E-04	0.00E+00	9.72E-04	1.69E-04
7043	498765.3	3733556	9.60E-04	0.00E+00	9.60E-04	1.67E-04

7044	498761.5	3733540	9.49E-04	0.00E+00	9.49E-04	1.65E-04
7045	498757.7	3733524	9.38E-04	0.00E+00	9.38E-04	1.63E-04
7046	498753.9	3733508	9.28E-04	0.00E+00	9.28E-04	1.62E-04
7047	498750.1	3733492	9.17E-04	0.00E+00	9.17E-04	1.60E-04
7048	498746.3	3733476	9.06E-04	0.00E+00	9.06E-04	1.58E-04
7049	498742.5	3733460	8.96E-04	0.00E+00	8.96E-04	1.56E-04
7050	498738.7	3733444	8.86E-04	0.00E+00	8.86E-04	1.54E-04
7051	498734.9	3733428	8.76E-04	0.00E+00	8.76E-04	1.53E-04
7052	498731.1	3733413	8.66E-04	0.00E+00	8.66E-04	1.51E-04
7053	498727.3	3733397	8.56E-04	0.00E+00	8.56E-04	1.49E-04
7054	498723.5	3733381	8.46E-04	0.00E+00	8.46E-04	1.47E-04
7055	498719.7	3733365	8.36E-04	0.00E+00	8.36E-04	1.46E-04
7056	498715.9	3733349	8.27E-04	0.00E+00	8.27E-04	1.44E-04
7057	498712.1	3733333	8.17E-04	0.00E+00	8.17E-04	1.42E-04
7058	498708.3	3733317	8.08E-04	0.00E+00	8.08E-04	1.41E-04
7059	498704.5	3733301	7.98E-04	0.00E+00	7.98E-04	1.39E-04
7060	499181.8	3734217	2.50E-03	0.00E+00	2.50E-03	4.35E-04
7061	499599.9	3733540	8.08E-03	0.00E+00	8.08E-03	1.41E-03
7062	499569.9	3733540	7.05E-03	0.00E+00	7.05E-03	1.23E-03
7063	499322.2	3733285	2.37E-03	0.00E+00	2.37E-03	4.13E-04
7064	499322.1	3733294	2.39E-03	0.00E+00	2.39E-03	4.16E-04
7065	499321.4	3733372	2.55E-03	0.00E+00	2.55E-03	4.44E-04
7066	499321.3	3733382	2.57E-03	0.00E+00	2.57E-03	4.47E-04
7067	499321.3	3733392	2.59E-03	0.00E+00	2.59E-03	4.51E-04
7068	499321.2	3733401	2.61E-03	0.00E+00	2.61E-03	4.54E-04
7069	499321.1	3733411	2.63E-03	0.00E+00	2.63E-03	4.58E-04
7070	499321	3733421	2.65E-03	0.00E+00	2.65E-03	4.61E-04
7071	499320.9	3733431	2.67E-03	0.00E+00	2.67E-03	4.65E-04
7072	499320.8	3733440	2.69E-03	0.00E+00	2.69E-03	4.68E-04
7073	499320.7	3733450	2.71E-03	0.00E+00	2.71E-03	4.72E-04
7074	499320.6	3733460	2.73E-03	0.00E+00	2.73E-03	4.75E-04
7075	499320	3733528	2.87E-03	0.00E+00	2.87E-03	4.99E-04
7076	499319.9	3733538	2.88E-03	0.00E+00	2.88E-03	5.02E-04
7077	499282.2	3733284	2.14E-03	0.00E+00	2.14E-03	3.73E-04
7078	499282.2	3733294	2.16E-03	0.00E+00	2.16E-03	3.76E-04
7079	499281.4	3733372	2.29E-03	0.00E+00	2.29E-03	3.99E-04
7080	499281.3	3733382	2.31E-03	0.00E+00	2.31E-03	4.02E-04
7081	499281.3	3733391	2.33E-03	0.00E+00	2.33E-03	4.05E-04
7082	499281.2	3733401	2.34E-03	0.00E+00	2.34E-03	4.08E-04
7083	499281.1	3733411	2.36E-03	0.00E+00	2.36E-03	4.11E-04
7084	499281	3733421	2.38E-03	0.00E+00	2.38E-03	4.14E-04
7085	499280.9	3733430	2.39E-03	0.00E+00	2.39E-03	4.17E-04
7086	499280.8	3733440	2.41E-03	0.00E+00	2.41E-03	4.20E-04
7087	499280.7	3733450	2.43E-03	0.00E+00	2.43E-03	4.23E-04
7088	499279.9	3733537	2.58E-03	0.00E+00	2.58E-03	4.49E-04
7089	499242.2	3733284	1.95E-03	0.00E+00	1.95E-03	3.39E-04
7090	499242.2	3733294	1.96E-03	0.00E+00	1.96E-03	3.41E-04

7091	499241.4	3733372	2.08E-03	0.00E+00	2.08E-03	3.62E-04
7092	499241.3	3733381	2.09E-03	0.00E+00	2.09E-03	3.64E-04
7093	499241.3	3733391	2.10E-03	0.00E+00	2.10E-03	3.67E-04
7094	499241.2	3733401	2.12E-03	0.00E+00	2.12E-03	3.69E-04
7095	499241.1	3733410	2.13E-03	0.00E+00	2.13E-03	3.72E-04
7096	499241	3733420	2.15E-03	0.00E+00	2.15E-03	3.74E-04
7097	499240.9	3733430	2.16E-03	0.00E+00	2.16E-03	3.77E-04
7098	499240.8	3733440	2.18E-03	0.00E+00	2.18E-03	3.79E-04
7099	499240.7	3733449	2.19E-03	0.00E+00	2.19E-03	3.82E-04
7100	499240.1	3733518	2.30E-03	0.00E+00	2.30E-03	4.00E-04
7101	499239.9	3733537	2.32E-03	0.00E+00	2.32E-03	4.05E-04
7102	499202.2	3733284	1.78E-03	0.00E+00	1.78E-03	3.10E-04
7103	499202.2	3733293	1.79E-03	0.00E+00	1.79E-03	3.12E-04
7104	499201.5	3733361	1.88E-03	0.00E+00	1.88E-03	3.27E-04
7105	499201.4	3733371	1.89E-03	0.00E+00	1.89E-03	3.30E-04
7106	499201.4	3733381	1.90E-03	0.00E+00	1.90E-03	3.32E-04
7107	499201.3	3733391	1.92E-03	0.00E+00	1.92E-03	3.34E-04
7108	499201.2	3733400	1.93E-03	0.00E+00	1.93E-03	3.36E-04
7109	499201.1	3733410	1.94E-03	0.00E+00	1.94E-03	3.38E-04
7110	499201	3733420	1.95E-03	0.00E+00	1.95E-03	3.41E-04
7111	499200.9	3733430	1.97E-03	0.00E+00	1.97E-03	3.43E-04
7112	499200.8	3733439	1.98E-03	0.00E+00	1.98E-03	3.45E-04
7113	499200.7	3733449	1.99E-03	0.00E+00	1.99E-03	3.47E-04
7114	499200.5	3733469	2.02E-03	0.00E+00	2.02E-03	3.52E-04
7115	499199.9	3733537	2.11E-03	0.00E+00	2.11E-03	3.67E-04
7116	499162.2	3733283	1.64E-03	0.00E+00	1.64E-03	2.85E-04
7117	499162.2	3733293	1.65E-03	0.00E+00	1.65E-03	2.87E-04
7118	499161.5	3733361	1.72E-03	0.00E+00	1.72E-03	3.00E-04
7119	499161.4	3733371	1.73E-03	0.00E+00	1.73E-03	3.02E-04
7120	499161.4	3733381	1.74E-03	0.00E+00	1.74E-03	3.04E-04
7121	499161.3	3733390	1.75E-03	0.00E+00	1.75E-03	3.06E-04
7122	499161.2	3733400	1.77E-03	0.00E+00	1.77E-03	3.08E-04
7123	499161.1	3733410	1.78E-03	0.00E+00	1.78E-03	3.10E-04
7124	499161	3733419	1.79E-03	0.00E+00	1.79E-03	3.12E-04
7125	499160.9	3733429	1.80E-03	0.00E+00	1.80E-03	3.13E-04
7126	499160.8	3733439	1.81E-03	0.00E+00	1.81E-03	3.15E-04
7127	499160.7	3733449	1.82E-03	0.00E+00	1.82E-03	3.17E-04
7128	499160.5	3733468	1.84E-03	0.00E+00	1.84E-03	3.21E-04
7129	499159.9	3733536	1.92E-03	0.00E+00	1.92E-03	3.35E-04
7130	499122.2	3733283	1.51E-03	0.00E+00	1.51E-03	2.63E-04
7131	499122.2	3733293	1.52E-03	0.00E+00	1.52E-03	2.65E-04
7132	499121.5	3733361	1.59E-03	0.00E+00	1.59E-03	2.76E-04
7133	499121.4	3733370	1.60E-03	0.00E+00	1.60E-03	2.78E-04
7134	499121.4	3733380	1.61E-03	0.00E+00	1.61E-03	2.80E-04
7135	499121.3	3733390	1.61E-03	0.00E+00	1.61E-03	2.81E-04
7136	499121.2	3733400	1.62E-03	0.00E+00	1.62E-03	2.83E-04
7137	499121.1	3733409	1.63E-03	0.00E+00	1.63E-03	2.85E-04

7138	499121	3733419	1.64E-03	0.00E+00	1.64E-03	2.86E-04
7139	499120.9	3733429	1.65E-03	0.00E+00	1.65E-03	2.88E-04
7140	499120.8	3733439	1.66E-03	0.00E+00	1.66E-03	2.90E-04
7141	499120.7	3733448	1.67E-03	0.00E+00	1.67E-03	2.91E-04
7142	499120.6	3733458	1.68E-03	0.00E+00	1.68E-03	2.93E-04
7143	499120	3733526	1.75E-03	0.00E+00	1.75E-03	3.05E-04
7144	499119.9	3733536	1.76E-03	0.00E+00	1.76E-03	3.07E-04
7145	499082.2	3733282	1.40E-03	0.00E+00	1.40E-03	2.44E-04
7146	499082.2	3733292	1.41E-03	0.00E+00	1.41E-03	2.45E-04
7147	499082.1	3733302	1.42E-03	0.00E+00	1.42E-03	2.47E-04
7148	499081.6	3733351	1.46E-03	0.00E+00	1.46E-03	2.54E-04
7149	499081.4	3733370	1.48E-03	0.00E+00	1.48E-03	2.57E-04
7150	499081.4	3733380	1.48E-03	0.00E+00	1.48E-03	2.59E-04
7151	499081.3	3733390	1.49E-03	0.00E+00	1.49E-03	2.60E-04
7152	499081.2	3733399	1.50E-03	0.00E+00	1.50E-03	2.62E-04
7153	499081.1	3733409	1.51E-03	0.00E+00	1.51E-03	2.63E-04
7154	499081	3733419	1.52E-03	0.00E+00	1.52E-03	2.64E-04
7155	499080.9	3733428	1.53E-03	0.00E+00	1.53E-03	2.66E-04
7156	499080.8	3733438	1.53E-03	0.00E+00	1.53E-03	2.67E-04
7157	499080.7	3733448	1.54E-03	0.00E+00	1.54E-03	2.69E-04
7158	499080.6	3733458	1.55E-03	0.00E+00	1.55E-03	2.70E-04
7159	499080	3733526	1.61E-03	0.00E+00	1.61E-03	2.81E-04
7160	499079.9	3733536	1.62E-03	0.00E+00	1.62E-03	2.82E-04
7161	499042.2	3733282	1.30E-03	0.00E+00	1.30E-03	2.27E-04
7162	499042.2	3733292	1.31E-03	0.00E+00	1.31E-03	2.28E-04
7163	499042.1	3733302	1.32E-03	0.00E+00	1.32E-03	2.30E-04
7164	499041.4	3733370	1.37E-03	0.00E+00	1.37E-03	2.39E-04
7165	499041.4	3733379	1.38E-03	0.00E+00	1.38E-03	2.40E-04
7166	499041.3	3733389	1.38E-03	0.00E+00	1.38E-03	2.41E-04
7167	499041.2	3733399	1.39E-03	0.00E+00	1.39E-03	2.43E-04
7168	499041.1	3733409	1.40E-03	0.00E+00	1.40E-03	2.44E-04
7169	499041	3733418	1.41E-03	0.00E+00	1.41E-03	2.45E-04
7170	499040.9	3733428	1.41E-03	0.00E+00	1.41E-03	2.46E-04
7171	499040.8	3733438	1.42E-03	0.00E+00	1.42E-03	2.48E-04
7172	499040.7	3733448	1.43E-03	0.00E+00	1.43E-03	2.49E-04
7173	499040.6	3733457	1.44E-03	0.00E+00	1.44E-03	2.50E-04
7174	499040	3733525	1.49E-03	0.00E+00	1.49E-03	2.59E-04
7175	499039.9	3733535	1.50E-03	0.00E+00	1.50E-03	2.61E-04
7176	499002.3	3733282	1.22E-03	0.00E+00	1.22E-03	2.12E-04
7177	499002.2	3733291	1.22E-03	0.00E+00	1.22E-03	2.13E-04
7178	499002.1	3733301	1.23E-03	0.00E+00	1.23E-03	2.14E-04
7179	499001.4	3733369	1.28E-03	0.00E+00	1.28E-03	2.22E-04
7180	499001.4	3733379	1.28E-03	0.00E+00	1.28E-03	2.23E-04
7181	499001.3	3733389	1.29E-03	0.00E+00	1.29E-03	2.25E-04
7182	499001.2	3733399	1.30E-03	0.00E+00	1.30E-03	2.26E-04
7183	499001.1	3733408	1.30E-03	0.00E+00	1.30E-03	2.27E-04
7184	499001	3733418	1.31E-03	0.00E+00	1.31E-03	2.28E-04

7185	499000.9	3733428	1.32E-03	0.00E+00	1.32E-03	2.29E-04
7186	499000.8	3733437	1.32E-03	0.00E+00	1.32E-03	2.30E-04
7187	499000.7	3733447	1.33E-03	0.00E+00	1.33E-03	2.31E-04
7188	499000.6	3733457	1.34E-03	0.00E+00	1.34E-03	2.33E-04
7189	498999.9	3733535	1.39E-03	0.00E+00	1.39E-03	2.42E-04
7190	498962.3	3733281	1.14E-03	0.00E+00	1.14E-03	1.98E-04
7191	498962.2	3733291	1.15E-03	0.00E+00	1.15E-03	2.00E-04
7192	498962.1	3733301	1.15E-03	0.00E+00	1.15E-03	2.01E-04
7193	498961.4	3733369	1.19E-03	0.00E+00	1.19E-03	2.08E-04
7194	498961.4	3733379	1.20E-03	0.00E+00	1.20E-03	2.09E-04
7195	498961.3	3733388	1.20E-03	0.00E+00	1.20E-03	2.10E-04
7196	498961.2	3733398	1.21E-03	0.00E+00	1.21E-03	2.11E-04
7197	498961.1	3733408	1.22E-03	0.00E+00	1.22E-03	2.12E-04
7198	498961	3733418	1.22E-03	0.00E+00	1.22E-03	2.13E-04
7199	498960.9	3733427	1.23E-03	0.00E+00	1.23E-03	2.14E-04
7200	498960.8	3733437	1.23E-03	0.00E+00	1.23E-03	2.15E-04
7201	498960.1	3733515	1.28E-03	0.00E+00	1.28E-03	2.23E-04
7202	498960	3733525	1.29E-03	0.00E+00	1.29E-03	2.24E-04
7203	498959.9	3733534	1.29E-03	0.00E+00	1.29E-03	2.25E-04
7204	498926.5	3733281	1.08E-03	0.00E+00	1.08E-03	1.88E-04
7205	498926.5	3733291	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7206	498925.8	3733359	1.12E-03	0.00E+00	1.12E-03	1.95E-04
7207	498925.6	3733378	1.13E-03	0.00E+00	1.13E-03	1.97E-04
7208	498925.6	3733388	1.14E-03	0.00E+00	1.14E-03	1.98E-04
7209	498925.5	3733398	1.14E-03	0.00E+00	1.14E-03	1.99E-04
7210	498925.4	3733408	1.15E-03	0.00E+00	1.15E-03	2.00E-04
7211	498925.3	3733417	1.15E-03	0.00E+00	1.15E-03	2.01E-04
7212	498925.2	3733427	1.16E-03	0.00E+00	1.16E-03	2.02E-04
7213	498925.1	3733437	1.16E-03	0.00E+00	1.16E-03	2.03E-04
7214	498924.4	3733515	1.21E-03	0.00E+00	1.21E-03	2.10E-04
7215	498924.3	3733524	1.21E-03	0.00E+00	1.21E-03	2.11E-04
7216	498924.2	3733534	1.22E-03	0.00E+00	1.22E-03	2.12E-04
7217	498890.8	3733281	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7218	498890.7	3733290	1.03E-03	0.00E+00	1.03E-03	1.79E-04
7219	498890.1	3733359	1.06E-03	0.00E+00	1.06E-03	1.85E-04
7220	498889.9	3733378	1.07E-03	0.00E+00	1.07E-03	1.86E-04
7221	498889.8	3733388	1.07E-03	0.00E+00	1.07E-03	1.87E-04
7222	498889.8	3733398	1.08E-03	0.00E+00	1.08E-03	1.88E-04
7223	498889.7	3733407	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7224	498889.6	3733417	1.09E-03	0.00E+00	1.09E-03	1.90E-04
7225	498889.5	3733427	1.09E-03	0.00E+00	1.09E-03	1.91E-04
7226	498889.4	3733436	1.10E-03	0.00E+00	1.10E-03	1.91E-04
7227	498888.7	3733514	1.14E-03	0.00E+00	1.14E-03	1.98E-04
7228	498888.6	3733524	1.14E-03	0.00E+00	1.14E-03	1.99E-04
7229	498888.5	3733534	1.15E-03	0.00E+00	1.15E-03	2.00E-04
7230	498855.1	3733280	9.68E-04	0.00E+00	9.68E-04	1.69E-04
7231	498855	3733290	9.73E-04	0.00E+00	9.73E-04	1.69E-04

7232	498854.4	3733358	1.00E-03	0.00E+00	1.00E-03	1.75E-04
7233	498854.2	3733378	1.01E-03	0.00E+00	1.01E-03	1.77E-04
7234	498854.1	3733387	1.02E-03	0.00E+00	1.02E-03	1.77E-04
7235	498854	3733397	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7236	498854	3733407	1.03E-03	0.00E+00	1.03E-03	1.79E-04
7237	498853.9	3733417	1.03E-03	0.00E+00	1.03E-03	1.80E-04
7238	498853.8	3733426	1.04E-03	0.00E+00	1.04E-03	1.80E-04
7239	498853.7	3733436	1.04E-03	0.00E+00	1.04E-03	1.81E-04
7240	498853	3733514	1.08E-03	0.00E+00	1.08E-03	1.87E-04
7241	498852.9	3733524	1.08E-03	0.00E+00	1.08E-03	1.88E-04
7242	498852.8	3733534	1.08E-03	0.00E+00	1.08E-03	1.89E-04
7243	498819.4	3733280	9.21E-04	0.00E+00	9.21E-04	1.60E-04
7244	498819.3	3733290	9.25E-04	0.00E+00	9.25E-04	1.61E-04
7245	498818.7	3733358	9.54E-04	0.00E+00	9.54E-04	1.66E-04
7246	498818.5	3733377	9.62E-04	0.00E+00	9.62E-04	1.68E-04
7247	498818.4	3733387	9.66E-04	0.00E+00	9.66E-04	1.68E-04
7248	498818.3	3733397	9.70E-04	0.00E+00	9.70E-04	1.69E-04
7249	498818.2	3733407	9.74E-04	0.00E+00	9.74E-04	1.70E-04
7250	498818.2	3733416	9.78E-04	0.00E+00	9.78E-04	1.70E-04
7251	498818.1	3733426	9.82E-04	0.00E+00	9.82E-04	1.71E-04
7252	498818	3733436	9.86E-04	0.00E+00	9.86E-04	1.72E-04
7253	498817.3	3733514	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7254	498817.2	3733523	1.02E-03	0.00E+00	1.02E-03	1.78E-04
7255	498817.1	3733533	1.03E-03	0.00E+00	1.03E-03	1.79E-04
7256	498783.7	3733280	8.77E-04	0.00E+00	8.77E-04	1.53E-04
7257	498783.6	3733289	8.81E-04	0.00E+00	8.81E-04	1.53E-04
7258	498783.4	3733309	8.88E-04	0.00E+00	8.88E-04	1.55E-04
7259	498783	3733358	9.07E-04	0.00E+00	9.07E-04	1.58E-04
7260	498782.8	3733377	9.15E-04	0.00E+00	9.15E-04	1.59E-04
7261	498782.7	3733387	9.19E-04	0.00E+00	9.19E-04	1.60E-04
7262	498782.6	3733397	9.22E-04	0.00E+00	9.22E-04	1.61E-04
7263	498782.5	3733406	9.26E-04	0.00E+00	9.26E-04	1.61E-04
7264	498782.4	3733416	9.30E-04	0.00E+00	9.30E-04	1.62E-04
7265	498782.4	3733426	9.34E-04	0.00E+00	9.34E-04	1.63E-04
7266	498782.3	3733435	9.37E-04	0.00E+00	9.37E-04	1.63E-04
7267	498781.5	3733513	9.67E-04	0.00E+00	9.67E-04	1.68E-04
7268	498781.5	3733523	9.71E-04	0.00E+00	9.71E-04	1.69E-04
7269	498781.4	3733533	9.74E-04	0.00E+00	9.74E-04	1.70E-04
7270	498748	3733279	8.36E-04	0.00E+00	8.36E-04	1.46E-04
7271	498747.9	3733289	8.40E-04	0.00E+00	8.40E-04	1.46E-04
7272	498747.7	3733309	8.47E-04	0.00E+00	8.47E-04	1.48E-04
7273	498747.3	3733357	8.64E-04	0.00E+00	8.64E-04	1.51E-04
7274	498747.1	3733377	8.71E-04	0.00E+00	8.71E-04	1.52E-04
7275	498747	3733386	8.75E-04	0.00E+00	8.75E-04	1.52E-04
7276	498746.9	3733396	8.78E-04	0.00E+00	8.78E-04	1.53E-04
7277	498746.8	3733406	8.82E-04	0.00E+00	8.82E-04	1.54E-04
7278	498746.7	3733416	8.85E-04	0.00E+00	8.85E-04	1.54E-04

7279	498746.6	3733425	8.88E-04	0.00E+00	8.88E-04	1.55E-04
7280	498746.5	3733435	8.92E-04	0.00E+00	8.92E-04	1.55E-04
7281	498745.9	3733503	9.16E-04	0.00E+00	9.16E-04	1.60E-04
7282	498745.8	3733513	9.19E-04	0.00E+00	9.19E-04	1.60E-04
7283	498745.7	3733523	9.22E-04	0.00E+00	9.22E-04	1.61E-04
7284	498745.7	3733533	9.26E-04	0.00E+00	9.26E-04	1.61E-04
7285	498712.3	3733279	7.98E-04	0.00E+00	7.98E-04	1.39E-04
7286	498712.2	3733289	8.02E-04	0.00E+00	8.02E-04	1.40E-04
7287	498712	3733308	8.08E-04	0.00E+00	8.08E-04	1.41E-04
7288	498711.5	3733357	8.25E-04	0.00E+00	8.25E-04	1.44E-04
7289	498711.4	3733376	8.31E-04	0.00E+00	8.31E-04	1.45E-04
7290	498711.3	3733386	8.34E-04	0.00E+00	8.34E-04	1.45E-04
7291	498711.2	3733396	8.37E-04	0.00E+00	8.37E-04	1.46E-04
7292	498711.1	3733406	8.41E-04	0.00E+00	8.41E-04	1.46E-04
7293	498711	3733415	8.44E-04	0.00E+00	8.44E-04	1.47E-04
7294	498710.9	3733425	8.47E-04	0.00E+00	8.47E-04	1.48E-04
7295	498710.8	3733435	8.50E-04	0.00E+00	8.50E-04	1.48E-04
7296	498710.7	3733445	8.53E-04	0.00E+00	8.53E-04	1.49E-04
7297	498710.7	3733454	8.56E-04	0.00E+00	8.56E-04	1.49E-04
7298	498710.6	3733464	8.60E-04	0.00E+00	8.60E-04	1.50E-04
7299	498710.5	3733474	8.63E-04	0.00E+00	8.63E-04	1.50E-04
7300	498710.4	3733484	8.66E-04	0.00E+00	8.66E-04	1.51E-04
7301	498710.3	3733493	8.69E-04	0.00E+00	8.69E-04	1.51E-04
7302	498710.2	3733503	8.72E-04	0.00E+00	8.72E-04	1.52E-04
7303	498710.1	3733513	8.75E-04	0.00E+00	8.75E-04	1.53E-04
7304	498710	3733522	8.78E-04	0.00E+00	8.78E-04	1.53E-04
7305	498709.9	3733532	8.82E-04	0.00E+00	8.82E-04	1.54E-04
7306	499850.4	3733769	1.77E-02	0.00E+00	1.77E-02	3.09E-03
7307	499841.3	3733765	1.76E-02	0.00E+00	1.76E-02	3.06E-03
7308	499832.3	3733761	1.74E-02	0.00E+00	1.74E-02	3.03E-03
7309	499859.4	3733773	1.79E-02	0.00E+00	1.79E-02	3.11E-03
7310	499869.3	3733773	1.82E-02	0.00E+00	1.82E-02	3.17E-03
7311	499879.1	3733773	1.85E-02	0.00E+00	1.85E-02	3.23E-03
7312	499888.9	3733773	1.88E-02	0.00E+00	1.88E-02	3.28E-03
7313	499898.7	3733773	1.91E-02	0.00E+00	1.91E-02	3.32E-03
7314	499908.6	3733773	1.93E-02	0.00E+00	1.93E-02	3.36E-03
7315	499918.4	3733773	1.95E-02	0.00E+00	1.95E-02	3.40E-03
7316	499928.2	3733773	1.97E-02	0.00E+00	1.97E-02	3.43E-03
7317	499938	3733773	1.98E-02	0.00E+00	1.98E-02	3.45E-03
7318	499947.9	3733773	1.99E-02	0.00E+00	1.99E-02	3.47E-03
7319	499957.7	3733773	2.00E-02	0.00E+00	2.00E-02	3.49E-03
7320	499967.5	3733773	2.00E-02	0.00E+00	2.00E-02	3.49E-03
7321	499977.3	3733773	2.01E-02	0.00E+00	2.01E-02	3.49E-03
7322	499987.2	3733773	2.00E-02	0.00E+00	2.00E-02	3.49E-03
7323	499997	3733773	2.00E-02	0.00E+00	2.00E-02	3.48E-03
7324	500006.8	3733773	1.99E-02	0.00E+00	1.99E-02	3.46E-03
7325	500016.6	3733773	1.97E-02	0.00E+00	1.97E-02	3.44E-03

7326	500026.5	3733773	1.96E-02	0.00E+00	1.96E-02	3.41E-03
7327	500036.3	3733773	1.94E-02	0.00E+00	1.94E-02	3.38E-03
7328	500046.1	3733773	1.92E-02	0.00E+00	1.92E-02	3.34E-03
7329	500055.9	3733773	1.89E-02	0.00E+00	1.89E-02	3.29E-03
7330	500065.8	3733773	1.86E-02	0.00E+00	1.86E-02	3.24E-03
7331	500075.6	3733773	1.83E-02	0.00E+00	1.83E-02	3.19E-03
7332	500085.4	3733773	1.80E-02	0.00E+00	1.80E-02	3.13E-03
7333	500095.2	3733773	1.76E-02	0.00E+00	1.76E-02	3.07E-03
7334	500105.1	3733773	1.72E-02	0.00E+00	1.72E-02	3.00E-03
7335	500114.9	3733773	1.68E-02	0.00E+00	1.68E-02	2.94E-03
7336	500124.7	3733773	1.64E-02	0.00E+00	1.64E-02	2.86E-03
7337	500134.5	3733773	1.60E-02	0.00E+00	1.60E-02	2.79E-03
7338	500144.3	3733773	1.56E-02	0.00E+00	1.56E-02	2.71E-03
7339	500154.2	3733773	1.51E-02	0.00E+00	1.51E-02	2.63E-03
7340	500164	3733773	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7341	500173.8	3733773	1.42E-02	0.00E+00	1.42E-02	2.48E-03
7342	500183.6	3733773	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7343	499850.6	3733799	1.62E-02	0.00E+00	1.62E-02	2.83E-03
7344	499841.8	3733795	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7345	499833	3733792	1.60E-02	0.00E+00	1.60E-02	2.79E-03
7346	499824.3	3733788	1.58E-02	0.00E+00	1.58E-02	2.76E-03
7347	499815.5	3733784	1.57E-02	0.00E+00	1.57E-02	2.73E-03
7348	499806.7	3733781	1.55E-02	0.00E+00	1.55E-02	2.70E-03
7349	499797.9	3733777	1.53E-02	0.00E+00	1.53E-02	2.66E-03
7350	499789.2	3733773	1.50E-02	0.00E+00	1.50E-02	2.62E-03
7351	499780.4	3733770	1.48E-02	0.00E+00	1.48E-02	2.57E-03
7352	499771.6	3733766	1.45E-02	0.00E+00	1.45E-02	2.52E-03
7353	499762.8	3733762	1.42E-02	0.00E+00	1.42E-02	2.47E-03
7354	499754	3733759	1.39E-02	0.00E+00	1.39E-02	2.42E-03
7355	499745.3	3733755	1.36E-02	0.00E+00	1.36E-02	2.36E-03
7356	499635.7	3733629	9.66E-03	0.00E+00	9.66E-03	1.68E-03
7357	499632.1	3733620	9.51E-03	0.00E+00	9.51E-03	1.66E-03
7358	499628.5	3733611	9.36E-03	0.00E+00	9.36E-03	1.63E-03
7359	499624.9	3733602	9.21E-03	0.00E+00	9.21E-03	1.60E-03
7360	499621.4	3733593	9.05E-03	0.00E+00	9.05E-03	1.58E-03
7361	499859.4	3733803	1.63E-02	0.00E+00	1.63E-02	2.84E-03
7362	499869.2	3733803	1.66E-02	0.00E+00	1.66E-02	2.89E-03
7363	499879	3733803	1.68E-02	0.00E+00	1.68E-02	2.93E-03
7364	499888.9	3733803	1.70E-02	0.00E+00	1.70E-02	2.97E-03
7365	499898.7	3733803	1.72E-02	0.00E+00	1.72E-02	3.00E-03
7366	499908.5	3733803	1.74E-02	0.00E+00	1.74E-02	3.04E-03
7367	499918.3	3733803	1.76E-02	0.00E+00	1.76E-02	3.06E-03
7368	499928.2	3733803	1.77E-02	0.00E+00	1.77E-02	3.08E-03
7369	499938	3733803	1.78E-02	0.00E+00	1.78E-02	3.10E-03
7370	499947.8	3733803	1.79E-02	0.00E+00	1.79E-02	3.11E-03
7371	499957.6	3733803	1.79E-02	0.00E+00	1.79E-02	3.12E-03
7372	499967.4	3733803	1.79E-02	0.00E+00	1.79E-02	3.13E-03

7373	499977.3	3733803	1.79E-02	0.00E+00	1.79E-02	3.12E-03
7374	499987.1	3733803	1.79E-02	0.00E+00	1.79E-02	3.12E-03
7375	499996.9	3733803	1.78E-02	0.00E+00	1.78E-02	3.11E-03
7376	500006.7	3733803	1.77E-02	0.00E+00	1.77E-02	3.09E-03
7377	500016.6	3733803	1.76E-02	0.00E+00	1.76E-02	3.07E-03
7378	500026.4	3733803	1.75E-02	0.00E+00	1.75E-02	3.04E-03
7379	500036.2	3733803	1.73E-02	0.00E+00	1.73E-02	3.01E-03
7380	500046	3733803	1.71E-02	0.00E+00	1.71E-02	2.98E-03
7381	500055.9	3733803	1.69E-02	0.00E+00	1.69E-02	2.94E-03
7382	500065.7	3733803	1.66E-02	0.00E+00	1.66E-02	2.90E-03
7383	500075.5	3733803	1.64E-02	0.00E+00	1.64E-02	2.86E-03
7384	500085.3	3733803	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7385	500095.2	3733803	1.58E-02	0.00E+00	1.58E-02	2.75E-03
7386	500105	3733803	1.55E-02	0.00E+00	1.55E-02	2.70E-03
7387	500114.8	3733803	1.52E-02	0.00E+00	1.52E-02	2.64E-03
7388	500124.6	3733803	1.48E-02	0.00E+00	1.48E-02	2.58E-03
7389	500134.5	3733803	1.45E-02	0.00E+00	1.45E-02	2.52E-03
7390	500144.3	3733803	1.41E-02	0.00E+00	1.41E-02	2.46E-03
7391	500154.1	3733803	1.37E-02	0.00E+00	1.37E-02	2.39E-03
7392	500163.9	3733803	1.33E-02	0.00E+00	1.33E-02	2.33E-03
7393	500173.8	3733803	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7394	500183.6	3733803	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7395	499850.4	3733829	1.49E-02	0.00E+00	1.49E-02	2.60E-03
7396	499841.4	3733825	1.48E-02	0.00E+00	1.48E-02	2.59E-03
7397	499832.5	3733822	1.47E-02	0.00E+00	1.47E-02	2.57E-03
7398	499823.6	3733818	1.46E-02	0.00E+00	1.46E-02	2.55E-03
7399	499814.6	3733814	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7400	499805.7	3733810	1.43E-02	0.00E+00	1.43E-02	2.50E-03
7401	499796.7	3733807	1.42E-02	0.00E+00	1.42E-02	2.47E-03
7402	499787.8	3733803	1.40E-02	0.00E+00	1.40E-02	2.43E-03
7403	499778.9	3733799	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7404	499769.9	3733795	1.35E-02	0.00E+00	1.35E-02	2.36E-03
7405	499761	3733792	1.33E-02	0.00E+00	1.33E-02	2.32E-03
7406	499752	3733788	1.30E-02	0.00E+00	1.30E-02	2.27E-03
7407	499743.1	3733784	1.28E-02	0.00E+00	1.28E-02	2.23E-03
7408	499734.2	3733780	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7409	499725.2	3733777	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7410	499716.3	3733773	1.19E-02	0.00E+00	1.19E-02	2.08E-03
7411	499707.3	3733769	1.16E-02	0.00E+00	1.16E-02	2.03E-03
7412	499698.4	3733765	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7413	499689.5	3733762	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7414	499680.5	3733758	1.07E-02	0.00E+00	1.07E-02	1.87E-03
7415	499635.5	3733702	9.43E-03	0.00E+00	9.43E-03	1.64E-03
7416	499631.8	3733693	9.33E-03	0.00E+00	9.33E-03	1.63E-03
7417	499628.2	3733684	9.22E-03	0.00E+00	9.22E-03	1.61E-03
7418	499624.6	3733675	9.11E-03	0.00E+00	9.11E-03	1.59E-03
7419	499620.9	3733666	8.99E-03	0.00E+00	8.99E-03	1.57E-03

7420	499617.3	3733657	8.87E-03	0.00E+00	8.87E-03	1.55E-03
7421	499613.6	3733648	8.74E-03	0.00E+00	8.74E-03	1.52E-03
7422	499610	3733639	8.61E-03	0.00E+00	8.61E-03	1.50E-03
7423	499606.3	3733630	8.48E-03	0.00E+00	8.48E-03	1.48E-03
7424	499602.7	3733621	8.34E-03	0.00E+00	8.34E-03	1.45E-03
7425	499580.8	3733567	7.49E-03	0.00E+00	7.49E-03	1.30E-03
7426	499577.2	3733558	7.34E-03	0.00E+00	7.34E-03	1.28E-03
7427	499573.6	3733549	7.20E-03	0.00E+00	7.20E-03	1.25E-03
7428	499859.3	3733833	1.50E-02	0.00E+00	1.50E-02	2.61E-03
7429	499869.1	3733833	1.52E-02	0.00E+00	1.52E-02	2.64E-03
7430	499879	3733833	1.54E-02	0.00E+00	1.54E-02	2.68E-03
7431	499888.8	3733833	1.55E-02	0.00E+00	1.55E-02	2.71E-03
7432	499898.6	3733833	1.57E-02	0.00E+00	1.57E-02	2.73E-03
7433	499908.4	3733833	1.58E-02	0.00E+00	1.58E-02	2.76E-03
7434	499918.3	3733833	1.59E-02	0.00E+00	1.59E-02	2.78E-03
7435	499928.1	3733833	1.60E-02	0.00E+00	1.60E-02	2.79E-03
7436	499937.9	3733833	1.61E-02	0.00E+00	1.61E-02	2.80E-03
7437	499947.7	3733833	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7438	499957.6	3733833	1.62E-02	0.00E+00	1.62E-02	2.82E-03
7439	499967.4	3733833	1.62E-02	0.00E+00	1.62E-02	2.82E-03
7440	499977.2	3733833	1.62E-02	0.00E+00	1.62E-02	2.81E-03
7441	499987	3733833	1.61E-02	0.00E+00	1.61E-02	2.81E-03
7442	499996.9	3733833	1.60E-02	0.00E+00	1.60E-02	2.80E-03
7443	500006.7	3733833	1.60E-02	0.00E+00	1.60E-02	2.78E-03
7444	500016.5	3733833	1.59E-02	0.00E+00	1.59E-02	2.76E-03
7445	500026.3	3733833	1.57E-02	0.00E+00	1.57E-02	2.74E-03
7446	500036.2	3733833	1.56E-02	0.00E+00	1.56E-02	2.71E-03
7447	500046	3733833	1.54E-02	0.00E+00	1.54E-02	2.68E-03
7448	500055.8	3733833	1.52E-02	0.00E+00	1.52E-02	2.65E-03
7449	500065.6	3733833	1.50E-02	0.00E+00	1.50E-02	2.61E-03
7450	500075.5	3733833	1.48E-02	0.00E+00	1.48E-02	2.57E-03
7451	500085.3	3733833	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7452	500095.1	3733833	1.43E-02	0.00E+00	1.43E-02	2.49E-03
7453	500104.9	3733833	1.40E-02	0.00E+00	1.40E-02	2.44E-03
7454	500114.8	3733833	1.37E-02	0.00E+00	1.37E-02	2.39E-03
7455	500124.6	3733833	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7456	500134.4	3733833	1.31E-02	0.00E+00	1.31E-02	2.29E-03
7457	500144.2	3733833	1.28E-02	0.00E+00	1.28E-02	2.24E-03
7458	500154.1	3733833	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7459	500163.9	3733833	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7460	500173.7	3733833	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7461	500183.5	3733833	1.16E-02	0.00E+00	1.16E-02	2.02E-03
7462	499850.5	3733859	1.37E-02	0.00E+00	1.37E-02	2.40E-03
7463	499841.8	3733855	1.37E-02	0.00E+00	1.37E-02	2.39E-03
7464	499833.1	3733852	1.36E-02	0.00E+00	1.36E-02	2.38E-03
7465	499824.4	3733848	1.36E-02	0.00E+00	1.36E-02	2.36E-03
7466	499815.6	3733844	1.35E-02	0.00E+00	1.35E-02	2.35E-03

7467	499806.9	3733841	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7468	499798.2	3733837	1.32E-02	0.00E+00	1.32E-02	2.31E-03
7469	499789.4	3733834	1.31E-02	0.00E+00	1.31E-02	2.28E-03
7470	499780.7	3733830	1.29E-02	0.00E+00	1.29E-02	2.25E-03
7471	499772	3733826	1.28E-02	0.00E+00	1.28E-02	2.22E-03
7472	499763.3	3733823	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7473	499754.5	3733819	1.24E-02	0.00E+00	1.24E-02	2.16E-03
7474	499745.8	3733815	1.22E-02	0.00E+00	1.22E-02	2.12E-03
7475	499737.1	3733812	1.19E-02	0.00E+00	1.19E-02	2.08E-03
7476	499728.4	3733808	1.17E-02	0.00E+00	1.17E-02	2.04E-03
7477	499719.6	3733804	1.15E-02	0.00E+00	1.15E-02	2.00E-03
7478	499710.9	3733801	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7479	499702.2	3733797	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7480	499693.5	3733793	1.07E-02	0.00E+00	1.07E-02	1.87E-03
7481	499684.7	3733790	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7482	499676	3733786	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7483	499667.3	3733782	9.97E-03	0.00E+00	9.97E-03	1.74E-03
7484	499658.5	3733779	9.71E-03	0.00E+00	9.71E-03	1.69E-03
7485	499649.8	3733775	9.45E-03	0.00E+00	9.45E-03	1.65E-03
7486	499641.1	3733771	9.20E-03	0.00E+00	9.20E-03	1.60E-03
7487	499628.8	3733759	8.88E-03	0.00E+00	8.88E-03	1.55E-03
7488	499625.3	3733750	8.82E-03	0.00E+00	8.82E-03	1.54E-03
7489	499621.7	3733741	8.75E-03	0.00E+00	8.75E-03	1.52E-03
7490	499618.1	3733733	8.68E-03	0.00E+00	8.68E-03	1.51E-03
7491	499614.6	3733724	8.59E-03	0.00E+00	8.59E-03	1.50E-03
7492	499611	3733715	8.51E-03	0.00E+00	8.51E-03	1.48E-03
7493	499607.5	3733706	8.42E-03	0.00E+00	8.42E-03	1.47E-03
7494	499603.9	3733698	8.32E-03	0.00E+00	8.32E-03	1.45E-03
7495	499600.4	3733689	8.22E-03	0.00E+00	8.22E-03	1.43E-03
7496	499596.8	3733680	8.12E-03	0.00E+00	8.12E-03	1.41E-03
7497	499593.2	3733671	8.01E-03	0.00E+00	8.01E-03	1.40E-03
7498	499589.7	3733663	7.90E-03	0.00E+00	7.90E-03	1.38E-03
7499	499586.1	3733654	7.79E-03	0.00E+00	7.79E-03	1.36E-03
7500	499582.6	3733645	7.67E-03	0.00E+00	7.67E-03	1.34E-03
7501	499575.5	3733627	7.44E-03	0.00E+00	7.44E-03	1.30E-03
7502	499557.7	3733584	6.82E-03	0.00E+00	6.82E-03	1.19E-03
7503	499554.1	3733575	6.70E-03	0.00E+00	6.70E-03	1.17E-03
7504	499550.6	3733566	6.57E-03	0.00E+00	6.57E-03	1.14E-03
7505	499547	3733557	6.45E-03	0.00E+00	6.45E-03	1.12E-03
7506	499859.3	3733863	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7507	499869.1	3733863	1.39E-02	0.00E+00	1.39E-02	2.43E-03
7508	499878.9	3733863	1.41E-02	0.00E+00	1.41E-02	2.45E-03
7509	499888.7	3733863	1.42E-02	0.00E+00	1.42E-02	2.48E-03
7510	499898.6	3733863	1.43E-02	0.00E+00	1.43E-02	2.50E-03
7511	499908.4	3733863	1.44E-02	0.00E+00	1.44E-02	2.52E-03
7512	499918.2	3733863	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7513	499928	3733863	1.46E-02	0.00E+00	1.46E-02	2.54E-03

7514	499937.9	3733863	1.46E-02	0.00E+00	1.46E-02	2.55E-03
7515	499947.7	3733863	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7516	499957.5	3733863	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7517	499967.3	3733863	1.47E-02	0.00E+00	1.47E-02	2.56E-03
7518	499977.2	3733863	1.46E-02	0.00E+00	1.46E-02	2.55E-03
7519	499987	3733863	1.46E-02	0.00E+00	1.46E-02	2.54E-03
7520	499996.8	3733863	1.45E-02	0.00E+00	1.45E-02	2.53E-03
7521	500006.6	3733863	1.45E-02	0.00E+00	1.45E-02	2.52E-03
7522	500016.5	3733863	1.44E-02	0.00E+00	1.44E-02	2.50E-03
7523	500026.3	3733863	1.42E-02	0.00E+00	1.42E-02	2.48E-03
7524	500036.1	3733863	1.41E-02	0.00E+00	1.41E-02	2.46E-03
7525	500045.9	3733863	1.40E-02	0.00E+00	1.40E-02	2.43E-03
7526	500055.8	3733863	1.38E-02	0.00E+00	1.38E-02	2.40E-03
7527	500065.6	3733863	1.36E-02	0.00E+00	1.36E-02	2.37E-03
7528	500075.4	3733863	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7529	500085.2	3733863	1.32E-02	0.00E+00	1.32E-02	2.30E-03
7530	500095	3733863	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7531	500104.9	3733863	1.28E-02	0.00E+00	1.28E-02	2.22E-03
7532	500114.7	3733863	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7533	500124.5	3733863	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7534	500134.3	3733863	1.20E-02	0.00E+00	1.20E-02	2.10E-03
7535	500144.2	3733863	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7536	500154	3733863	1.15E-02	0.00E+00	1.15E-02	2.01E-03
7537	500163.8	3733863	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7538	500173.6	3733863	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7539	500183.5	3733863	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7540	499850.3	3733889	1.27E-02	0.00E+00	1.27E-02	2.22E-03
7541	499841.5	3733885	1.27E-02	0.00E+00	1.27E-02	2.21E-03
7542	499832.6	3733882	1.26E-02	0.00E+00	1.26E-02	2.20E-03
7543	499823.8	3733878	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7544	499814.9	3733874	1.25E-02	0.00E+00	1.25E-02	2.18E-03
7545	499806	3733870	1.24E-02	0.00E+00	1.24E-02	2.17E-03
7546	499797.2	3733867	1.23E-02	0.00E+00	1.23E-02	2.15E-03
7547	499788.3	3733863	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7548	499779.4	3733859	1.21E-02	0.00E+00	1.21E-02	2.11E-03
7549	499770.6	3733856	1.20E-02	0.00E+00	1.20E-02	2.08E-03
7550	499761.7	3733852	1.18E-02	0.00E+00	1.18E-02	2.06E-03
7551	499752.8	3733848	1.16E-02	0.00E+00	1.16E-02	2.03E-03
7552	499744	3733845	1.15E-02	0.00E+00	1.15E-02	2.00E-03
7553	499735.1	3733841	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7554	499726.3	3733837	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7555	499717.4	3733833	1.09E-02	0.00E+00	1.09E-02	1.90E-03
7556	499708.5	3733830	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7557	499699.7	3733826	1.05E-02	0.00E+00	1.05E-02	1.82E-03
7558	499690.8	3733822	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7559	499681.9	3733819	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7560	499673.1	3733815	9.79E-03	0.00E+00	9.79E-03	1.71E-03

7561	499664.2	3733811	9.56E-03	0.00E+00	9.56E-03	1.67E-03
7562	499655.3	3733807	9.33E-03	0.00E+00	9.33E-03	1.63E-03
7563	499646.5	3733804	9.10E-03	0.00E+00	9.10E-03	1.59E-03
7564	499637.6	3733800	8.87E-03	0.00E+00	8.87E-03	1.55E-03
7565	499628.8	3733796	8.64E-03	0.00E+00	8.64E-03	1.51E-03
7566	499619.9	3733793	8.41E-03	0.00E+00	8.41E-03	1.47E-03
7567	499607.4	3733780	8.13E-03	0.00E+00	8.13E-03	1.42E-03
7568	499603.8	3733771	8.07E-03	0.00E+00	8.07E-03	1.41E-03
7569	499600.2	3733762	8.00E-03	0.00E+00	8.00E-03	1.39E-03
7570	499596.6	3733753	7.93E-03	0.00E+00	7.93E-03	1.38E-03
7571	499593	3733744	7.86E-03	0.00E+00	7.86E-03	1.37E-03
7572	499589.4	3733735	7.78E-03	0.00E+00	7.78E-03	1.36E-03
7573	499585.8	3733727	7.70E-03	0.00E+00	7.70E-03	1.34E-03
7574	499582.1	3733718	7.61E-03	0.00E+00	7.61E-03	1.33E-03
7575	499578.5	3733709	7.52E-03	0.00E+00	7.52E-03	1.31E-03
7576	499574.9	3733700	7.43E-03	0.00E+00	7.43E-03	1.29E-03
7577	499567.7	3733682	7.23E-03	0.00E+00	7.23E-03	1.26E-03
7578	499564.1	3733673	7.13E-03	0.00E+00	7.13E-03	1.24E-03
7579	499560.5	3733664	7.03E-03	0.00E+00	7.03E-03	1.22E-03
7580	499556.9	3733655	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7581	499535.2	3733602	6.26E-03	0.00E+00	6.26E-03	1.09E-03
7582	499531.6	3733593	6.15E-03	0.00E+00	6.15E-03	1.07E-03
7583	499528	3733584	6.04E-03	0.00E+00	6.04E-03	1.05E-03
7584	499524.4	3733575	5.93E-03	0.00E+00	5.93E-03	1.03E-03
7585	499520.7	3733566	5.81E-03	0.00E+00	5.81E-03	1.01E-03
7586	499859.2	3733893	1.27E-02	0.00E+00	1.27E-02	2.22E-03
7587	499869	3733893	1.29E-02	0.00E+00	1.29E-02	2.24E-03
7588	499878.9	3733893	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7589	499888.7	3733893	1.31E-02	0.00E+00	1.31E-02	2.28E-03
7590	499898.5	3733893	1.32E-02	0.00E+00	1.32E-02	2.29E-03
7591	499908.3	3733893	1.32E-02	0.00E+00	1.32E-02	2.31E-03
7592	499918.1	3733893	1.33E-02	0.00E+00	1.33E-02	2.32E-03
7593	499928	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7594	499937.8	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7595	499947.6	3733893	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7596	499957.4	3733893	1.34E-02	0.00E+00	1.34E-02	2.34E-03
7597	499967.3	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7598	499977.1	3733893	1.34E-02	0.00E+00	1.34E-02	2.33E-03
7599	499986.9	3733893	1.33E-02	0.00E+00	1.33E-02	2.32E-03
7600	499996.7	3733893	1.32E-02	0.00E+00	1.32E-02	2.31E-03
7601	500006.6	3733893	1.32E-02	0.00E+00	1.32E-02	2.29E-03
7602	500016.4	3733893	1.31E-02	0.00E+00	1.31E-02	2.28E-03
7603	500026.2	3733893	1.30E-02	0.00E+00	1.30E-02	2.26E-03
7604	500036	3733893	1.29E-02	0.00E+00	1.29E-02	2.24E-03
7605	500045.9	3733893	1.27E-02	0.00E+00	1.27E-02	2.22E-03
7606	500055.7	3733893	1.26E-02	0.00E+00	1.26E-02	2.19E-03
7607	500065.5	3733893	1.24E-02	0.00E+00	1.24E-02	2.16E-03

7608	500075.3	3733893	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7609	500085.2	3733893	1.21E-02	0.00E+00	1.21E-02	2.10E-03
7610	500095	3733893	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7611	500104.8	3733893	1.17E-02	0.00E+00	1.17E-02	2.04E-03
7612	500114.6	3733893	1.15E-02	0.00E+00	1.15E-02	2.00E-03
7613	500124.5	3733893	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7614	500134.3	3733893	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7615	500144.1	3733893	1.08E-02	0.00E+00	1.08E-02	1.89E-03
7616	500153.9	3733893	1.06E-02	0.00E+00	1.06E-02	1.85E-03
7617	500163.8	3733893	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7618	500173.6	3733893	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7619	500183.4	3733893	9.92E-03	0.00E+00	9.92E-03	1.73E-03
7620	499850.2	3733919	1.18E-02	0.00E+00	1.18E-02	2.06E-03
7621	499841.2	3733915	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7622	499832.2	3733911	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7623	499823.2	3733908	1.17E-02	0.00E+00	1.17E-02	2.04E-03
7624	499814.2	3733904	1.17E-02	0.00E+00	1.17E-02	2.03E-03
7625	499805.3	3733900	1.16E-02	0.00E+00	1.16E-02	2.02E-03
7626	499796.3	3733896	1.15E-02	0.00E+00	1.15E-02	2.01E-03
7627	499787.3	3733893	1.14E-02	0.00E+00	1.14E-02	1.99E-03
7628	499778.3	3733889	1.13E-02	0.00E+00	1.13E-02	1.98E-03
7629	499769.3	3733885	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7630	499760.3	3733881	1.11E-02	0.00E+00	1.11E-02	1.94E-03
7631	499751.4	3733878	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7632	499742.4	3733874	1.08E-02	0.00E+00	1.08E-02	1.89E-03
7633	499733.4	3733870	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7634	499724.4	3733866	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7635	499715.4	3733863	1.03E-02	0.00E+00	1.03E-02	1.80E-03
7636	499706.5	3733859	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7637	499697.5	3733855	9.97E-03	0.00E+00	9.97E-03	1.74E-03
7638	499688.5	3733851	9.78E-03	0.00E+00	9.78E-03	1.70E-03
7639	499679.5	3733848	9.58E-03	0.00E+00	9.58E-03	1.67E-03
7640	499670.5	3733844	9.38E-03	0.00E+00	9.38E-03	1.63E-03
7641	499661.6	3733840	9.18E-03	0.00E+00	9.18E-03	1.60E-03
7642	499652.6	3733836	8.97E-03	0.00E+00	8.97E-03	1.56E-03
7643	499643.6	3733833	8.77E-03	0.00E+00	8.77E-03	1.53E-03
7644	499634.6	3733829	8.56E-03	0.00E+00	8.56E-03	1.49E-03
7645	499625.6	3733825	8.35E-03	0.00E+00	8.35E-03	1.45E-03
7646	499616.6	3733821	8.14E-03	0.00E+00	8.14E-03	1.42E-03
7647	499607.7	3733817	7.93E-03	0.00E+00	7.93E-03	1.38E-03
7648	499598.7	3733814	7.73E-03	0.00E+00	7.73E-03	1.35E-03
7649	499586	3733801	7.47E-03	0.00E+00	7.47E-03	1.30E-03
7650	499582.4	3733792	7.42E-03	0.00E+00	7.42E-03	1.29E-03
7651	499578.7	3733783	7.36E-03	0.00E+00	7.36E-03	1.28E-03
7652	499575.1	3733774	7.29E-03	0.00E+00	7.29E-03	1.27E-03
7653	499571.4	3733765	7.22E-03	0.00E+00	7.22E-03	1.26E-03
7654	499567.7	3733756	7.15E-03	0.00E+00	7.15E-03	1.25E-03

7655	499564.1	3733747	7.08E-03	0.00E+00	7.08E-03	1.23E-03
7656	499560.4	3733738	7.00E-03	0.00E+00	7.00E-03	1.22E-03
7657	499556.8	3733729	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7658	499553.1	3733720	6.83E-03	0.00E+00	6.83E-03	1.19E-03
7659	499549.4	3733711	6.74E-03	0.00E+00	6.74E-03	1.18E-03
7660	499545.8	3733702	6.66E-03	0.00E+00	6.66E-03	1.16E-03
7661	499542.1	3733693	6.56E-03	0.00E+00	6.56E-03	1.14E-03
7662	499538.5	3733684	6.47E-03	0.00E+00	6.47E-03	1.13E-03
7663	499534.8	3733675	6.37E-03	0.00E+00	6.37E-03	1.11E-03
7664	499531.1	3733666	6.28E-03	0.00E+00	6.28E-03	1.09E-03
7665	499859.1	3733923	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7666	499869	3733923	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7667	499878.8	3733923	1.20E-02	0.00E+00	1.20E-02	2.09E-03
7668	499888.6	3733923	1.21E-02	0.00E+00	1.21E-02	2.10E-03
7669	499898.4	3733923	1.21E-02	0.00E+00	1.21E-02	2.12E-03
7670	499908.3	3733923	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7671	499918.1	3733923	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7672	499927.9	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7673	499937.7	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7674	499947.6	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7675	499957.4	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7676	499967.2	3733923	1.23E-02	0.00E+00	1.23E-02	2.14E-03
7677	499977	3733923	1.22E-02	0.00E+00	1.22E-02	2.13E-03
7678	499986.9	3733923	1.22E-02	0.00E+00	1.22E-02	2.12E-03
7679	499996.7	3733923	1.21E-02	0.00E+00	1.21E-02	2.11E-03
7680	500006.5	3733923	1.21E-02	0.00E+00	1.21E-02	2.10E-03
7681	500016.3	3733923	1.20E-02	0.00E+00	1.20E-02	2.09E-03
7682	500026.2	3733923	1.19E-02	0.00E+00	1.19E-02	2.07E-03
7683	500036	3733923	1.18E-02	0.00E+00	1.18E-02	2.05E-03
7684	500045.8	3733923	1.17E-02	0.00E+00	1.17E-02	2.03E-03
7685	500055.6	3733923	1.15E-02	0.00E+00	1.15E-02	2.01E-03
7686	500065.5	3733923	1.14E-02	0.00E+00	1.14E-02	1.99E-03
7687	500075.3	3733923	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7688	500085.1	3733923	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7689	500094.9	3733923	1.09E-02	0.00E+00	1.09E-02	1.90E-03
7690	500104.8	3733923	1.08E-02	0.00E+00	1.08E-02	1.88E-03
7691	500114.6	3733923	1.06E-02	0.00E+00	1.06E-02	1.84E-03
7692	500124.4	3733923	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7693	500134.2	3733923	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7694	500144.1	3733923	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7695	500153.9	3733923	9.83E-03	0.00E+00	9.83E-03	1.71E-03
7696	500163.7	3733923	9.63E-03	0.00E+00	9.63E-03	1.68E-03
7697	500173.5	3733923	9.43E-03	0.00E+00	9.43E-03	1.64E-03
7698	500183.3	3733923	9.23E-03	0.00E+00	9.23E-03	1.61E-03
7699	499850.3	3733949	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7700	499841.5	3733945	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7701	499832.7	3733942	1.10E-02	0.00E+00	1.10E-02	1.91E-03

7702	499823.8	3733938	1.09E-02	0.00E+00	1.09E-02	1.91E-03
7703	499815	3733934	1.09E-02	0.00E+00	1.09E-02	1.90E-03
7704	499806.2	3733931	1.09E-02	0.00E+00	1.09E-02	1.89E-03
7705	499797.4	3733927	1.08E-02	0.00E+00	1.08E-02	1.88E-03
7706	499788.6	3733923	1.08E-02	0.00E+00	1.08E-02	1.87E-03
7707	499779.8	3733920	1.07E-02	0.00E+00	1.07E-02	1.86E-03
7708	499771	3733916	1.06E-02	0.00E+00	1.06E-02	1.85E-03
7709	499762.2	3733912	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7710	499753.4	3733908	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7711	499744.6	3733905	1.03E-02	0.00E+00	1.03E-02	1.79E-03
7712	499735.8	3733901	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7713	499726.9	3733897	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7714	499718.1	3733894	9.89E-03	0.00E+00	9.89E-03	1.72E-03
7715	499709.3	3733890	9.74E-03	0.00E+00	9.74E-03	1.70E-03
7716	499700.5	3733886	9.59E-03	0.00E+00	9.59E-03	1.67E-03
7717	499691.7	3733883	9.43E-03	0.00E+00	9.43E-03	1.64E-03
7718	499682.9	3733879	9.27E-03	0.00E+00	9.27E-03	1.62E-03
7719	499674.1	3733875	9.10E-03	0.00E+00	9.10E-03	1.59E-03
7720	499665.3	3733872	8.93E-03	0.00E+00	8.93E-03	1.56E-03
7721	499656.5	3733868	8.75E-03	0.00E+00	8.75E-03	1.53E-03
7722	499647.7	3733864	8.58E-03	0.00E+00	8.58E-03	1.49E-03
7723	499638.8	3733861	8.40E-03	0.00E+00	8.40E-03	1.46E-03
7724	499630	3733857	8.21E-03	0.00E+00	8.21E-03	1.43E-03
7725	499621.2	3733853	8.03E-03	0.00E+00	8.03E-03	1.40E-03
7726	499612.4	3733849	7.85E-03	0.00E+00	7.85E-03	1.37E-03
7727	499603.6	3733846	7.67E-03	0.00E+00	7.67E-03	1.34E-03
7728	499594.8	3733842	7.48E-03	0.00E+00	7.48E-03	1.30E-03
7729	499586	3733838	7.30E-03	0.00E+00	7.30E-03	1.27E-03
7730	499577.2	3733835	7.12E-03	0.00E+00	7.12E-03	1.24E-03
7731	499564.8	3733822	6.90E-03	0.00E+00	6.90E-03	1.20E-03
7732	499561.2	3733813	6.85E-03	0.00E+00	6.85E-03	1.19E-03
7733	499557.6	3733804	6.79E-03	0.00E+00	6.79E-03	1.18E-03
7734	499554	3733796	6.74E-03	0.00E+00	6.74E-03	1.17E-03
7735	499550.4	3733787	6.68E-03	0.00E+00	6.68E-03	1.16E-03
7736	499546.8	3733778	6.61E-03	0.00E+00	6.61E-03	1.15E-03
7737	499543.2	3733769	6.55E-03	0.00E+00	6.55E-03	1.14E-03
7738	499539.7	3733760	6.48E-03	0.00E+00	6.48E-03	1.13E-03
7739	499536.1	3733751	6.41E-03	0.00E+00	6.41E-03	1.12E-03
7740	499532.5	3733743	6.33E-03	0.00E+00	6.33E-03	1.10E-03
7741	499528.9	3733734	6.26E-03	0.00E+00	6.26E-03	1.09E-03
7742	499859.1	3733953	1.10E-02	0.00E+00	1.10E-02	1.91E-03
7743	499868.9	3733953	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7744	499878.7	3733953	1.11E-02	0.00E+00	1.11E-02	1.94E-03
7745	499888.6	3733953	1.12E-02	0.00E+00	1.12E-02	1.95E-03
7746	499898.4	3733953	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7747	499908.2	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7748	499918	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03

7749	499927.9	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7750	499937.7	3733953	1.13E-02	0.00E+00	1.13E-02	1.98E-03
7751	499947.5	3733953	1.13E-02	0.00E+00	1.13E-02	1.98E-03
7752	499957.3	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7753	499967.2	3733953	1.13E-02	0.00E+00	1.13E-02	1.97E-03
7754	499977	3733953	1.13E-02	0.00E+00	1.13E-02	1.96E-03
7755	499986.8	3733953	1.12E-02	0.00E+00	1.12E-02	1.96E-03
7756	499996.6	3733953	1.12E-02	0.00E+00	1.12E-02	1.95E-03
7757	500006.5	3733953	1.11E-02	0.00E+00	1.11E-02	1.93E-03
7758	500016.3	3733953	1.10E-02	0.00E+00	1.10E-02	1.92E-03
7759	500026.1	3733953	1.09E-02	0.00E+00	1.09E-02	1.91E-03
7760	500035.9	3733953	1.08E-02	0.00E+00	1.08E-02	1.89E-03
7761	500045.7	3733953	1.07E-02	0.00E+00	1.07E-02	1.87E-03
7762	500055.6	3733953	1.06E-02	0.00E+00	1.06E-02	1.85E-03
7763	500065.4	3733953	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7764	500075.2	3733953	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7765	500085	3733953	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7766	500094.9	3733953	1.01E-02	0.00E+00	1.01E-02	1.76E-03
7767	500104.7	3733953	9.95E-03	0.00E+00	9.95E-03	1.73E-03
7768	500114.5	3733953	9.80E-03	0.00E+00	9.80E-03	1.71E-03
7769	500124.3	3733953	9.64E-03	0.00E+00	9.64E-03	1.68E-03
7770	500134.2	3733953	9.47E-03	0.00E+00	9.47E-03	1.65E-03
7771	500144	3733953	9.30E-03	0.00E+00	9.30E-03	1.62E-03
7772	500153.8	3733953	9.13E-03	0.00E+00	9.13E-03	1.59E-03
7773	500163.6	3733953	8.96E-03	0.00E+00	8.96E-03	1.56E-03
7774	500173.5	3733953	8.79E-03	0.00E+00	8.79E-03	1.53E-03
7775	500183.3	3733953	8.61E-03	0.00E+00	8.61E-03	1.50E-03
7776	499850.1	3733979	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7777	499841.2	3733975	1.02E-02	0.00E+00	1.02E-02	1.79E-03
7778	499832.3	3733972	1.02E-02	0.00E+00	1.02E-02	1.79E-03
7779	499823.4	3733968	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7780	499814.5	3733964	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7781	499805.5	3733960	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7782	499796.6	3733957	1.01E-02	0.00E+00	1.01E-02	1.77E-03
7783	499787.7	3733953	1.01E-02	0.00E+00	1.01E-02	1.76E-03
7784	499778.8	3733949	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7785	499769.9	3733945	9.97E-03	0.00E+00	9.97E-03	1.74E-03
7786	499761	3733942	9.90E-03	0.00E+00	9.90E-03	1.72E-03
7787	499752.1	3733938	9.81E-03	0.00E+00	9.81E-03	1.71E-03
7788	499743.1	3733934	9.72E-03	0.00E+00	9.72E-03	1.69E-03
7789	499734.2	3733931	9.61E-03	0.00E+00	9.61E-03	1.67E-03
7790	499725.3	3733927	9.50E-03	0.00E+00	9.50E-03	1.66E-03
7791	499716.4	3733923	9.39E-03	0.00E+00	9.39E-03	1.64E-03
7792	499707.5	3733919	9.26E-03	0.00E+00	9.26E-03	1.61E-03
7793	499698.6	3733916	9.13E-03	0.00E+00	9.13E-03	1.59E-03
7794	499689.7	3733912	8.99E-03	0.00E+00	8.99E-03	1.57E-03
7795	499680.7	3733908	8.85E-03	0.00E+00	8.85E-03	1.54E-03

7796	499671.8	3733904	8.71E-03	0.00E+00	8.71E-03	1.52E-03
7797	499662.9	3733901	8.55E-03	0.00E+00	8.55E-03	1.49E-03
7798	499654	3733897	8.40E-03	0.00E+00	8.40E-03	1.46E-03
7799	499645.1	3733893	8.24E-03	0.00E+00	8.24E-03	1.44E-03
7800	499636.2	3733889	8.08E-03	0.00E+00	8.08E-03	1.41E-03
7801	499627.3	3733886	7.92E-03	0.00E+00	7.92E-03	1.38E-03
7802	499618.4	3733882	7.75E-03	0.00E+00	7.75E-03	1.35E-03
7803	499609.4	3733878	7.59E-03	0.00E+00	7.59E-03	1.32E-03
7804	499600.5	3733875	7.42E-03	0.00E+00	7.42E-03	1.29E-03
7805	499591.6	3733871	7.26E-03	0.00E+00	7.26E-03	1.26E-03
7806	499582.7	3733867	7.09E-03	0.00E+00	7.09E-03	1.24E-03
7807	499573.8	3733863	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7808	499564.9	3733860	6.76E-03	0.00E+00	6.76E-03	1.18E-03
7809	499556	3733856	6.60E-03	0.00E+00	6.60E-03	1.15E-03
7810	499543.4	3733843	6.39E-03	0.00E+00	6.39E-03	1.11E-03
7811	499539.8	3733834	6.34E-03	0.00E+00	6.34E-03	1.11E-03
7812	499536.1	3733825	6.29E-03	0.00E+00	6.29E-03	1.10E-03
7813	499532.5	3733816	6.24E-03	0.00E+00	6.24E-03	1.09E-03
7814	499528.9	3733807	6.19E-03	0.00E+00	6.19E-03	1.08E-03
7815	499525.2	3733798	6.13E-03	0.00E+00	6.13E-03	1.07E-03
7816	499521.6	3733789	6.07E-03	0.00E+00	6.07E-03	1.06E-03
7817	499518	3733780	6.00E-03	0.00E+00	6.00E-03	1.05E-03
7818	499514.4	3733772	5.94E-03	0.00E+00	5.94E-03	1.03E-03
7819	499510.7	3733763	5.87E-03	0.00E+00	5.87E-03	1.02E-03
7820	499859	3733983	1.02E-02	0.00E+00	1.02E-02	1.78E-03
7821	499868.9	3733983	1.03E-02	0.00E+00	1.03E-02	1.79E-03
7822	499878.7	3733983	1.03E-02	0.00E+00	1.03E-02	1.80E-03
7823	499888.5	3733983	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7824	499898.3	3733983	1.04E-02	0.00E+00	1.04E-02	1.82E-03
7825	499908.1	3733983	1.05E-02	0.00E+00	1.05E-02	1.82E-03
7826	499918	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7827	499927.8	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7828	499937.6	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7829	499947.4	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7830	499957.3	3733983	1.05E-02	0.00E+00	1.05E-02	1.83E-03
7831	499967.1	3733983	1.04E-02	0.00E+00	1.04E-02	1.82E-03
7832	499976.9	3733983	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7833	499986.7	3733983	1.04E-02	0.00E+00	1.04E-02	1.81E-03
7834	499996.6	3733983	1.03E-02	0.00E+00	1.03E-02	1.80E-03
7835	500006.4	3733983	1.03E-02	0.00E+00	1.03E-02	1.79E-03
7836	500016.2	3733983	1.02E-02	0.00E+00	1.02E-02	1.77E-03
7837	500026	3733983	1.01E-02	0.00E+00	1.01E-02	1.76E-03
7838	500035.9	3733983	1.00E-02	0.00E+00	1.00E-02	1.75E-03
7839	500045.7	3733983	9.93E-03	0.00E+00	9.93E-03	1.73E-03
7840	500055.5	3733983	9.83E-03	0.00E+00	9.83E-03	1.71E-03
7841	500065.3	3733983	9.72E-03	0.00E+00	9.72E-03	1.69E-03
7842	500075.2	3733983	9.61E-03	0.00E+00	9.61E-03	1.67E-03

7843	500085	3733983	9.49E-03	0.00E+00	9.49E-03	1.65E-03
7844	500094.8	3733983	9.36E-03	0.00E+00	9.36E-03	1.63E-03
7845	500104.6	3733983	9.23E-03	0.00E+00	9.23E-03	1.61E-03
7846	500114.5	3733983	9.09E-03	0.00E+00	9.09E-03	1.58E-03
7847	500124.3	3733983	8.96E-03	0.00E+00	8.96E-03	1.56E-03
7848	500134.1	3733983	8.81E-03	0.00E+00	8.81E-03	1.54E-03
7849	500143.9	3733983	8.67E-03	0.00E+00	8.67E-03	1.51E-03
7850	500153.8	3733983	8.52E-03	0.00E+00	8.52E-03	1.48E-03
7851	500163.6	3733983	8.37E-03	0.00E+00	8.37E-03	1.46E-03
7852	500173.4	3733983	8.21E-03	0.00E+00	8.21E-03	1.43E-03
7853	500183.2	3733983	8.06E-03	0.00E+00	8.06E-03	1.40E-03
7854	499850	3734009	9.57E-03	0.00E+00	9.57E-03	1.67E-03
7855	499841	3734005	9.59E-03	0.00E+00	9.59E-03	1.67E-03
7856	499831.9	3734001	9.60E-03	0.00E+00	9.60E-03	1.67E-03
7857	499822.9	3733998	9.59E-03	0.00E+00	9.59E-03	1.67E-03
7858	499813.9	3733994	9.58E-03	0.00E+00	9.58E-03	1.67E-03
7859	499804.9	3733990	9.56E-03	0.00E+00	9.56E-03	1.67E-03
7860	499795.9	3733986	9.54E-03	0.00E+00	9.54E-03	1.66E-03
7861	499786.9	3733983	9.50E-03	0.00E+00	9.50E-03	1.66E-03
7862	499777.9	3733979	9.46E-03	0.00E+00	9.46E-03	1.65E-03
7863	499768.9	3733975	9.40E-03	0.00E+00	9.40E-03	1.64E-03
7864	499759.9	3733971	9.34E-03	0.00E+00	9.34E-03	1.63E-03
7865	499750.9	3733967	9.27E-03	0.00E+00	9.27E-03	1.62E-03
7866	499741.9	3733964	9.19E-03	0.00E+00	9.19E-03	1.60E-03
7867	499732.9	3733960	9.11E-03	0.00E+00	9.11E-03	1.59E-03
7868	499723.9	3733956	9.02E-03	0.00E+00	9.02E-03	1.57E-03
7869	499714.9	3733952	8.92E-03	0.00E+00	8.92E-03	1.55E-03
7870	499705.8	3733949	8.81E-03	0.00E+00	8.81E-03	1.54E-03
7871	499696.8	3733945	8.70E-03	0.00E+00	8.70E-03	1.52E-03
7872	499687.8	3733941	8.58E-03	0.00E+00	8.58E-03	1.50E-03
7873	499678.8	3733937	8.46E-03	0.00E+00	8.46E-03	1.47E-03
7874	499669.8	3733934	8.33E-03	0.00E+00	8.33E-03	1.45E-03
7875	499660.8	3733930	8.20E-03	0.00E+00	8.20E-03	1.43E-03
7876	499651.8	3733926	8.06E-03	0.00E+00	8.06E-03	1.40E-03
7877	499642.8	3733922	7.92E-03	0.00E+00	7.92E-03	1.38E-03
7878	499633.8	3733918	7.78E-03	0.00E+00	7.78E-03	1.36E-03
7879	499624.8	3733915	7.63E-03	0.00E+00	7.63E-03	1.33E-03
7880	499615.8	3733911	7.48E-03	0.00E+00	7.48E-03	1.30E-03
7881	499606.8	3733907	7.34E-03	0.00E+00	7.34E-03	1.28E-03
7882	499597.8	3733903	7.18E-03	0.00E+00	7.18E-03	1.25E-03
7883	499588.8	3733900	7.03E-03	0.00E+00	7.03E-03	1.23E-03
7884	499579.8	3733896	6.88E-03	0.00E+00	6.88E-03	1.20E-03
7885	499570.7	3733892	6.73E-03	0.00E+00	6.73E-03	1.17E-03
7886	499561.7	3733888	6.58E-03	0.00E+00	6.58E-03	1.15E-03
7887	499552.7	3733885	6.43E-03	0.00E+00	6.43E-03	1.12E-03
7888	499543.7	3733881	6.28E-03	0.00E+00	6.28E-03	1.09E-03
7889	499534.7	3733877	6.13E-03	0.00E+00	6.13E-03	1.07E-03

7890	499522	3733864	5.94E-03	0.00E+00	5.94E-03	1.04E-03
7891	499518.4	3733855	5.90E-03	0.00E+00	5.90E-03	1.03E-03
7892	499514.7	3733846	5.85E-03	0.00E+00	5.85E-03	1.02E-03
7893	499511	3733837	5.80E-03	0.00E+00	5.80E-03	1.01E-03
7894	499507.4	3733828	5.75E-03	0.00E+00	5.75E-03	1.00E-03
7895	499503.7	3733819	5.70E-03	0.00E+00	5.70E-03	9.93E-04
7896	499500	3733810	5.64E-03	0.00E+00	5.64E-03	9.83E-04
7897	499496.3	3733801	5.58E-03	0.00E+00	5.58E-03	9.73E-04
7898	499481.7	3733765	5.33E-03	0.00E+00	5.33E-03	9.29E-04
7899	499478	3733756	5.26E-03	0.00E+00	5.26E-03	9.17E-04
7900	499474.3	3733747	5.20E-03	0.00E+00	5.20E-03	9.05E-04
7901	499470.7	3733738	5.13E-03	0.00E+00	5.13E-03	8.93E-04
7902	499459.6	3733710	4.91E-03	0.00E+00	4.91E-03	8.56E-04
7903	499456	3733701	4.84E-03	0.00E+00	4.84E-03	8.44E-04
7904	499859	3734013	9.55E-03	0.00E+00	9.55E-03	1.66E-03
7905	499868.8	3734013	9.60E-03	0.00E+00	9.60E-03	1.67E-03
7906	499878.6	3734013	9.65E-03	0.00E+00	9.65E-03	1.68E-03
7907	499888.4	3734013	9.69E-03	0.00E+00	9.69E-03	1.69E-03
7908	499898.3	3734013	9.71E-03	0.00E+00	9.71E-03	1.69E-03
7909	499908.1	3734013	9.74E-03	0.00E+00	9.74E-03	1.70E-03
7910	499917.9	3734013	9.75E-03	0.00E+00	9.75E-03	1.70E-03
7911	499927.7	3734013	9.76E-03	0.00E+00	9.76E-03	1.70E-03
7912	499937.6	3734013	9.75E-03	0.00E+00	9.75E-03	1.70E-03
7913	499947.4	3734013	9.74E-03	0.00E+00	9.74E-03	1.70E-03
7914	499957.2	3734013	9.72E-03	0.00E+00	9.72E-03	1.69E-03
7915	499967	3734013	9.70E-03	0.00E+00	9.70E-03	1.69E-03
7916	499976.9	3734013	9.66E-03	0.00E+00	9.66E-03	1.68E-03
7917	499986.7	3734013	9.62E-03	0.00E+00	9.62E-03	1.68E-03
7918	499996.5	3734013	9.57E-03	0.00E+00	9.57E-03	1.67E-03
7919	500006.3	3734013	9.51E-03	0.00E+00	9.51E-03	1.66E-03
7920	500016.2	3734013	9.45E-03	0.00E+00	9.45E-03	1.65E-03
7921	500026	3734013	9.38E-03	0.00E+00	9.38E-03	1.63E-03
7922	500035.8	3734013	9.30E-03	0.00E+00	9.30E-03	1.62E-03
7923	500045.6	3734013	9.22E-03	0.00E+00	9.22E-03	1.61E-03
7924	500055.5	3734013	9.13E-03	0.00E+00	9.13E-03	1.59E-03
7925	500065.3	3734013	9.03E-03	0.00E+00	9.03E-03	1.57E-03
7926	500075.1	3734013	8.93E-03	0.00E+00	8.93E-03	1.56E-03
7927	500084.9	3734013	8.82E-03	0.00E+00	8.82E-03	1.54E-03
7928	500094.8	3734013	8.71E-03	0.00E+00	8.71E-03	1.52E-03
7929	500104.6	3734013	8.59E-03	0.00E+00	8.59E-03	1.50E-03
7930	500114.4	3734013	8.47E-03	0.00E+00	8.47E-03	1.48E-03
7931	500124.2	3734013	8.35E-03	0.00E+00	8.35E-03	1.46E-03
7932	500134	3734013	8.23E-03	0.00E+00	8.23E-03	1.43E-03
7933	500143.9	3734013	8.10E-03	0.00E+00	8.10E-03	1.41E-03
7934	500153.7	3734013	7.97E-03	0.00E+00	7.97E-03	1.39E-03
7935	500163.5	3734013	7.83E-03	0.00E+00	7.83E-03	1.36E-03
7936	500173.3	3734013	7.70E-03	0.00E+00	7.70E-03	1.34E-03

7937	500183.2	3734013	7.56E-03	0.00E+00	7.56E-03	1.32E-03
7938	499850	3734039	8.97E-03	0.00E+00	8.97E-03	1.56E-03
7939	499841.2	3734035	8.99E-03	0.00E+00	8.99E-03	1.57E-03
7940	499832.3	3734032	9.00E-03	0.00E+00	9.00E-03	1.57E-03
7941	499823.5	3734028	9.01E-03	0.00E+00	9.01E-03	1.57E-03
7942	499814.6	3734024	9.01E-03	0.00E+00	9.01E-03	1.57E-03
7943	499805.7	3734020	9.00E-03	0.00E+00	9.00E-03	1.57E-03
7944	499796.9	3734017	8.98E-03	0.00E+00	8.98E-03	1.57E-03
7945	499788	3734013	8.96E-03	0.00E+00	8.96E-03	1.56E-03
7946	499779.1	3734009	8.93E-03	0.00E+00	8.93E-03	1.56E-03
7947	499770.3	3734006	8.89E-03	0.00E+00	8.89E-03	1.55E-03
7948	499761.4	3734002	8.84E-03	0.00E+00	8.84E-03	1.54E-03
7949	499752.5	3733998	8.79E-03	0.00E+00	8.79E-03	1.53E-03
7950	499743.7	3733995	8.73E-03	0.00E+00	8.73E-03	1.52E-03
7951	499734.8	3733991	8.67E-03	0.00E+00	8.67E-03	1.51E-03
7952	499726	3733987	8.59E-03	0.00E+00	8.59E-03	1.50E-03
7953	499717.1	3733983	8.51E-03	0.00E+00	8.51E-03	1.48E-03
7954	499708.2	3733980	8.43E-03	0.00E+00	8.43E-03	1.47E-03
7955	499699.4	3733976	8.34E-03	0.00E+00	8.34E-03	1.45E-03
7956	499690.5	3733972	8.24E-03	0.00E+00	8.24E-03	1.44E-03
7957	499681.6	3733969	8.14E-03	0.00E+00	8.14E-03	1.42E-03
7958	499672.8	3733965	8.03E-03	0.00E+00	8.03E-03	1.40E-03
7959	499663.9	3733961	7.92E-03	0.00E+00	7.92E-03	1.38E-03
7960	499655.1	3733957	7.81E-03	0.00E+00	7.81E-03	1.36E-03
7961	499646.2	3733954	7.69E-03	0.00E+00	7.69E-03	1.34E-03
7962	499637.3	3733950	7.57E-03	0.00E+00	7.57E-03	1.32E-03
7963	499628.5	3733946	7.44E-03	0.00E+00	7.44E-03	1.30E-03
7964	499619.6	3733943	7.31E-03	0.00E+00	7.31E-03	1.27E-03
7965	499610.7	3733939	7.18E-03	0.00E+00	7.18E-03	1.25E-03
7966	499601.9	3733935	7.05E-03	0.00E+00	7.05E-03	1.23E-03
7967	499593	3733931	6.92E-03	0.00E+00	6.92E-03	1.21E-03
7968	499584.1	3733928	6.79E-03	0.00E+00	6.79E-03	1.18E-03
7969	499575.3	3733924	6.65E-03	0.00E+00	6.65E-03	1.16E-03
7970	499566.4	3733920	6.52E-03	0.00E+00	6.52E-03	1.14E-03
7971	499557.6	3733917	6.38E-03	0.00E+00	6.38E-03	1.11E-03
7972	499548.7	3733913	6.25E-03	0.00E+00	6.25E-03	1.09E-03
7973	499539.8	3733909	6.11E-03	0.00E+00	6.11E-03	1.06E-03
7974	499531	3733905	5.98E-03	0.00E+00	5.98E-03	1.04E-03
7975	499522.1	3733902	5.84E-03	0.00E+00	5.84E-03	1.02E-03
7976	499513.2	3733898	5.71E-03	0.00E+00	5.71E-03	9.95E-04
7977	499500.8	3733885	5.54E-03	0.00E+00	5.54E-03	9.65E-04
7978	499497.2	3733877	5.50E-03	0.00E+00	5.50E-03	9.59E-04
7979	499493.5	3733868	5.46E-03	0.00E+00	5.46E-03	9.51E-04
7980	499489.9	3733859	5.41E-03	0.00E+00	5.41E-03	9.43E-04
7981	499486.3	3733850	5.37E-03	0.00E+00	5.37E-03	9.35E-04
7982	499482.7	3733841	5.32E-03	0.00E+00	5.32E-03	9.27E-04
7983	499479.1	3733832	5.27E-03	0.00E+00	5.27E-03	9.18E-04

7984	499468.3	3733805	5.11E-03	0.00E+00	5.11E-03	8.90E-04
7985	499464.7	3733796	5.05E-03	0.00E+00	5.05E-03	8.80E-04
7986	499461	3733787	4.99E-03	0.00E+00	4.99E-03	8.70E-04
7987	499457.4	3733779	4.93E-03	0.00E+00	4.93E-03	8.60E-04
7988	499453.8	3733770	4.87E-03	0.00E+00	4.87E-03	8.49E-04
7989	499450.2	3733761	4.81E-03	0.00E+00	4.81E-03	8.39E-04
7990	499446.6	3733752	4.75E-03	0.00E+00	4.75E-03	8.28E-04
7991	499421.3	3733690	4.30E-03	0.00E+00	4.30E-03	7.50E-04
7992	499417.7	3733681	4.24E-03	0.00E+00	4.24E-03	7.38E-04
7993	499414.1	3733672	4.17E-03	0.00E+00	4.17E-03	7.27E-04
7994	499410.5	3733663	4.11E-03	0.00E+00	4.11E-03	7.16E-04
7995	499858.9	3734043	8.95E-03	0.00E+00	8.95E-03	1.56E-03
7996	499868.7	3734043	8.99E-03	0.00E+00	8.99E-03	1.57E-03
7997	499878.6	3734043	9.02E-03	0.00E+00	9.02E-03	1.57E-03
7998	499888.4	3734043	9.05E-03	0.00E+00	9.05E-03	1.58E-03
7999	499898.2	3734043	9.07E-03	0.00E+00	9.07E-03	1.58E-03
8000	499908	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8001	499917.9	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8002	499927.7	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8003	499937.5	3734043	9.09E-03	0.00E+00	9.09E-03	1.58E-03
8004	499947.3	3734043	9.08E-03	0.00E+00	9.08E-03	1.58E-03
8005	499957.2	3734043	9.06E-03	0.00E+00	9.06E-03	1.58E-03
8006	499967	3734043	9.03E-03	0.00E+00	9.03E-03	1.57E-03
8007	499976.8	3734043	8.99E-03	0.00E+00	8.99E-03	1.57E-03
8008	499986.6	3734043	8.95E-03	0.00E+00	8.95E-03	1.56E-03
8009	499996.4	3734043	8.91E-03	0.00E+00	8.91E-03	1.55E-03
8010	500006.3	3734043	8.85E-03	0.00E+00	8.85E-03	1.54E-03
8011	500016.1	3734043	8.79E-03	0.00E+00	8.79E-03	1.53E-03
8012	500025.9	3734043	8.73E-03	0.00E+00	8.73E-03	1.52E-03
8013	500035.7	3734043	8.66E-03	0.00E+00	8.66E-03	1.51E-03
8014	500045.6	3734043	8.58E-03	0.00E+00	8.58E-03	1.50E-03
8015	500055.4	3734043	8.50E-03	0.00E+00	8.50E-03	1.48E-03
8016	500065.2	3734043	8.41E-03	0.00E+00	8.41E-03	1.47E-03
8017	500075	3734043	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8018	500084.9	3734043	8.23E-03	0.00E+00	8.23E-03	1.43E-03
8019	500094.7	3734043	8.13E-03	0.00E+00	8.13E-03	1.42E-03
8020	500104.5	3734043	8.03E-03	0.00E+00	8.03E-03	1.40E-03
8021	500114.3	3734043	7.92E-03	0.00E+00	7.92E-03	1.38E-03
8022	500124.2	3734043	7.81E-03	0.00E+00	7.81E-03	1.36E-03
8023	500134	3734043	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8024	500143.8	3734043	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8025	500153.6	3734043	7.47E-03	0.00E+00	7.47E-03	1.30E-03
8026	500163.5	3734043	7.35E-03	0.00E+00	7.35E-03	1.28E-03
8027	500173.3	3734043	7.23E-03	0.00E+00	7.23E-03	1.26E-03
8028	500183.1	3734043	7.11E-03	0.00E+00	7.11E-03	1.24E-03
8029	499849.9	3734079	8.26E-03	0.00E+00	8.26E-03	1.44E-03
8030	499841	3734075	8.28E-03	0.00E+00	8.28E-03	1.44E-03

8031	499832.1	3734072	8.30E-03	0.00E+00	8.30E-03	1.45E-03
8032	499823.2	3734068	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8033	499814.3	3734064	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8034	499805.4	3734060	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8035	499796.5	3734057	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8036	499787.6	3734053	8.30E-03	0.00E+00	8.30E-03	1.45E-03
8037	499778.7	3734049	8.28E-03	0.00E+00	8.28E-03	1.44E-03
8038	499769.8	3734045	8.25E-03	0.00E+00	8.25E-03	1.44E-03
8039	499760.9	3734042	8.22E-03	0.00E+00	8.22E-03	1.43E-03
8040	499752	3734038	8.18E-03	0.00E+00	8.18E-03	1.43E-03
8041	499743.1	3734034	8.14E-03	0.00E+00	8.14E-03	1.42E-03
8042	499734.2	3734031	8.09E-03	0.00E+00	8.09E-03	1.41E-03
8043	499725.3	3734027	8.03E-03	0.00E+00	8.03E-03	1.40E-03
8044	499716.4	3734023	7.97E-03	0.00E+00	7.97E-03	1.39E-03
8045	499707.5	3734019	7.90E-03	0.00E+00	7.90E-03	1.38E-03
8046	499698.5	3734016	7.83E-03	0.00E+00	7.83E-03	1.36E-03
8047	499689.6	3734012	7.75E-03	0.00E+00	7.75E-03	1.35E-03
8048	499680.7	3734008	7.67E-03	0.00E+00	7.67E-03	1.34E-03
8049	499671.8	3734004	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8050	499662.9	3734001	7.50E-03	0.00E+00	7.50E-03	1.31E-03
8051	499654	3733997	7.40E-03	0.00E+00	7.40E-03	1.29E-03
8052	499645.1	3733993	7.30E-03	0.00E+00	7.30E-03	1.27E-03
8053	499636.2	3733990	7.20E-03	0.00E+00	7.20E-03	1.25E-03
8054	499627.3	3733986	7.09E-03	0.00E+00	7.09E-03	1.24E-03
8055	499618.4	3733982	6.99E-03	0.00E+00	6.99E-03	1.22E-03
8056	499609.5	3733978	6.87E-03	0.00E+00	6.87E-03	1.20E-03
8057	499600.6	3733975	6.76E-03	0.00E+00	6.76E-03	1.18E-03
8058	499591.7	3733971	6.65E-03	0.00E+00	6.65E-03	1.16E-03
8059	499582.8	3733967	6.53E-03	0.00E+00	6.53E-03	1.14E-03
8060	499573.9	3733963	6.41E-03	0.00E+00	6.41E-03	1.12E-03
8061	499565	3733960	6.29E-03	0.00E+00	6.29E-03	1.10E-03
8062	499556.1	3733956	6.17E-03	0.00E+00	6.17E-03	1.08E-03
8063	499547.2	3733952	6.05E-03	0.00E+00	6.05E-03	1.05E-03
8064	499538.3	3733949	5.93E-03	0.00E+00	5.93E-03	1.03E-03
8065	499529.4	3733945	5.81E-03	0.00E+00	5.81E-03	1.01E-03
8066	499520.5	3733941	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8067	499511.6	3733937	5.58E-03	0.00E+00	5.58E-03	9.71E-04
8068	499502.7	3733934	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8069	499493.7	3733930	5.34E-03	0.00E+00	5.34E-03	9.30E-04
8070	499484.8	3733926	5.22E-03	0.00E+00	5.22E-03	9.10E-04
8071	499472.3	3733914	5.07E-03	0.00E+00	5.07E-03	8.83E-04
8072	499468.7	3733905	5.03E-03	0.00E+00	5.03E-03	8.77E-04
8073	499465.1	3733896	5.00E-03	0.00E+00	5.00E-03	8.70E-04
8074	499461.4	3733887	4.96E-03	0.00E+00	4.96E-03	8.63E-04
8075	499457.8	3733878	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8076	499454.2	3733869	4.87E-03	0.00E+00	4.87E-03	8.48E-04
8077	499450.5	3733860	4.82E-03	0.00E+00	4.82E-03	8.41E-04

8078	499443.3	3733842	4.73E-03	0.00E+00	4.73E-03	8.24E-04
8079	499439.7	3733833	4.68E-03	0.00E+00	4.68E-03	8.16E-04
8080	499436	3733824	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8081	499432.4	3733815	4.58E-03	0.00E+00	4.58E-03	7.98E-04
8082	499428.8	3733806	4.53E-03	0.00E+00	4.53E-03	7.89E-04
8083	499425.1	3733797	4.47E-03	0.00E+00	4.47E-03	7.80E-04
8084	499421.5	3733788	4.42E-03	0.00E+00	4.42E-03	7.70E-04
8085	499417.9	3733779	4.37E-03	0.00E+00	4.37E-03	7.61E-04
8086	499414.3	3733770	4.31E-03	0.00E+00	4.31E-03	7.51E-04
8087	499348.9	3733609	3.29E-03	0.00E+00	3.29E-03	5.74E-04
8088	499345.3	3733600	3.24E-03	0.00E+00	3.24E-03	5.64E-04
8089	499341.7	3733591	3.19E-03	0.00E+00	3.19E-03	5.55E-04
8090	499338.1	3733583	3.13E-03	0.00E+00	3.13E-03	5.46E-04
8091	499334.4	3733574	3.08E-03	0.00E+00	3.08E-03	5.37E-04
8092	499330.8	3733565	3.03E-03	0.00E+00	3.03E-03	5.28E-04
8093	499327.2	3733556	2.98E-03	0.00E+00	2.98E-03	5.20E-04
8094	499323.5	3733547	2.93E-03	0.00E+00	2.93E-03	5.11E-04
8095	499858.8	3734083	8.23E-03	0.00E+00	8.23E-03	1.43E-03
8096	499868.7	3734083	8.26E-03	0.00E+00	8.26E-03	1.44E-03
8097	499878.5	3734083	8.28E-03	0.00E+00	8.28E-03	1.44E-03
8098	499888.3	3734083	8.30E-03	0.00E+00	8.30E-03	1.45E-03
8099	499898.1	3734083	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8100	499908	3734083	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8101	499917.8	3734083	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8102	499927.6	3734083	8.32E-03	0.00E+00	8.32E-03	1.45E-03
8103	499937.4	3734083	8.31E-03	0.00E+00	8.31E-03	1.45E-03
8104	499947.2	3734083	8.29E-03	0.00E+00	8.29E-03	1.45E-03
8105	499957.1	3734083	8.27E-03	0.00E+00	8.27E-03	1.44E-03
8106	499966.9	3734083	8.25E-03	0.00E+00	8.25E-03	1.44E-03
8107	499976.7	3734083	8.21E-03	0.00E+00	8.21E-03	1.43E-03
8108	499986.5	3734083	8.18E-03	0.00E+00	8.18E-03	1.42E-03
8109	499996.4	3734083	8.13E-03	0.00E+00	8.13E-03	1.42E-03
8110	500006.2	3734083	8.08E-03	0.00E+00	8.08E-03	1.41E-03
8111	500016	3734083	8.03E-03	0.00E+00	8.03E-03	1.40E-03
8112	500025.8	3734083	7.97E-03	0.00E+00	7.97E-03	1.39E-03
8113	500035.7	3734083	7.91E-03	0.00E+00	7.91E-03	1.38E-03
8114	500045.5	3734083	7.84E-03	0.00E+00	7.84E-03	1.37E-03
8115	500055.3	3734083	7.77E-03	0.00E+00	7.77E-03	1.35E-03
8116	500065.1	3734083	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8117	500075	3734083	7.62E-03	0.00E+00	7.62E-03	1.33E-03
8118	500084.8	3734083	7.54E-03	0.00E+00	7.54E-03	1.31E-03
8119	500094.6	3734083	7.45E-03	0.00E+00	7.45E-03	1.30E-03
8120	500104.4	3734083	7.36E-03	0.00E+00	7.36E-03	1.28E-03
8121	500114.3	3734083	7.27E-03	0.00E+00	7.27E-03	1.27E-03
8122	500124.1	3734083	7.18E-03	0.00E+00	7.18E-03	1.25E-03
8123	500133.9	3734083	7.08E-03	0.00E+00	7.08E-03	1.23E-03
8124	500143.7	3734083	6.98E-03	0.00E+00	6.98E-03	1.22E-03

8125	500153.6	3734083	6.88E-03	0.00E+00	6.88E-03	1.20E-03
8126	500163.4	3734083	6.78E-03	0.00E+00	6.78E-03	1.18E-03
8127	500173.2	3734083	6.68E-03	0.00E+00	6.68E-03	1.16E-03
8128	500183	3734083	6.58E-03	0.00E+00	6.58E-03	1.15E-03
8129	499849.8	3734119	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8130	499840.9	3734115	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8131	499831.9	3734112	7.67E-03	0.00E+00	7.67E-03	1.34E-03
8132	499823	3734108	7.69E-03	0.00E+00	7.69E-03	1.34E-03
8133	499814	3734104	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8134	499805.1	3734100	7.71E-03	0.00E+00	7.71E-03	1.34E-03
8135	499796.2	3734097	7.71E-03	0.00E+00	7.71E-03	1.34E-03
8136	499787.2	3734093	7.70E-03	0.00E+00	7.70E-03	1.34E-03
8137	499778.3	3734089	7.69E-03	0.00E+00	7.69E-03	1.34E-03
8138	499769.3	3734085	7.68E-03	0.00E+00	7.68E-03	1.34E-03
8139	499760.4	3734082	7.66E-03	0.00E+00	7.66E-03	1.33E-03
8140	499751.5	3734078	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8141	499742.5	3734074	7.60E-03	0.00E+00	7.60E-03	1.32E-03
8142	499733.6	3734070	7.56E-03	0.00E+00	7.56E-03	1.32E-03
8143	499724.6	3734067	7.52E-03	0.00E+00	7.52E-03	1.31E-03
8144	499715.7	3734063	7.47E-03	0.00E+00	7.47E-03	1.30E-03
8145	499706.8	3734059	7.42E-03	0.00E+00	7.42E-03	1.29E-03
8146	499697.8	3734055	7.36E-03	0.00E+00	7.36E-03	1.28E-03
8147	499688.9	3734052	7.30E-03	0.00E+00	7.30E-03	1.27E-03
8148	499679.9	3734048	7.24E-03	0.00E+00	7.24E-03	1.26E-03
8149	499671	3734044	7.16E-03	0.00E+00	7.16E-03	1.25E-03
8150	499662.1	3734040	7.09E-03	0.00E+00	7.09E-03	1.24E-03
8151	499653.1	3734037	7.01E-03	0.00E+00	7.01E-03	1.22E-03
8152	499644.2	3734033	6.93E-03	0.00E+00	6.93E-03	1.21E-03
8153	499635.2	3734029	6.85E-03	0.00E+00	6.85E-03	1.19E-03
8154	499626.3	3734025	6.76E-03	0.00E+00	6.76E-03	1.18E-03
8155	499617.4	3734022	6.67E-03	0.00E+00	6.67E-03	1.16E-03
8156	499608.4	3734018	6.57E-03	0.00E+00	6.57E-03	1.14E-03
8157	499599.5	3734014	6.47E-03	0.00E+00	6.47E-03	1.13E-03
8158	499590.5	3734010	6.38E-03	0.00E+00	6.38E-03	1.11E-03
8159	499581.6	3734007	6.27E-03	0.00E+00	6.27E-03	1.09E-03
8160	499572.7	3734003	6.17E-03	0.00E+00	6.17E-03	1.08E-03
8161	499563.7	3733999	6.07E-03	0.00E+00	6.07E-03	1.06E-03
8162	499554.8	3733995	5.96E-03	0.00E+00	5.96E-03	1.04E-03
8163	499545.8	3733992	5.86E-03	0.00E+00	5.86E-03	1.02E-03
8164	499536.9	3733988	5.75E-03	0.00E+00	5.75E-03	1.00E-03
8165	499528	3733984	5.65E-03	0.00E+00	5.65E-03	9.84E-04
8166	499519	3733981	5.54E-03	0.00E+00	5.54E-03	9.65E-04
8167	499510.1	3733977	5.43E-03	0.00E+00	5.43E-03	9.46E-04
8168	499501.1	3733973	5.32E-03	0.00E+00	5.32E-03	9.28E-04
8169	499492.2	3733969	5.22E-03	0.00E+00	5.22E-03	9.09E-04
8170	499483.3	3733966	5.11E-03	0.00E+00	5.11E-03	8.91E-04
8171	499474.3	3733962	5.01E-03	0.00E+00	5.01E-03	8.72E-04

8172	499465.4	3733958	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8173	499456.4	3733954	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8174	499443.9	3733942	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8175	499440.2	3733933	4.63E-03	0.00E+00	4.63E-03	8.06E-04
8176	499436.6	3733924	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8177	499432.9	3733915	4.56E-03	0.00E+00	4.56E-03	7.94E-04
8178	499429.3	3733906	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8179	499425.6	3733897	4.48E-03	0.00E+00	4.48E-03	7.80E-04
8180	499356.4	3733726	3.57E-03	0.00E+00	3.57E-03	6.22E-04
8181	499352.8	3733717	3.52E-03	0.00E+00	3.52E-03	6.14E-04
8182	499349.1	3733708	3.47E-03	0.00E+00	3.47E-03	6.05E-04
8183	499345.5	3733699	3.42E-03	0.00E+00	3.42E-03	5.96E-04
8184	499341.8	3733690	3.37E-03	0.00E+00	3.37E-03	5.87E-04
8185	499320	3733636	3.07E-03	0.00E+00	3.07E-03	5.35E-04
8186	499316.3	3733627	3.02E-03	0.00E+00	3.02E-03	5.27E-04
8187	499312.7	3733618	2.98E-03	0.00E+00	2.98E-03	5.19E-04
8188	499309.1	3733609	2.93E-03	0.00E+00	2.93E-03	5.11E-04
8189	499305.4	3733600	2.88E-03	0.00E+00	2.88E-03	5.02E-04
8190	499301.8	3733591	2.84E-03	0.00E+00	2.84E-03	4.95E-04
8191	499298.1	3733582	2.79E-03	0.00E+00	2.79E-03	4.87E-04
8192	499294.5	3733573	2.75E-03	0.00E+00	2.75E-03	4.79E-04
8193	499290.8	3733564	2.71E-03	0.00E+00	2.71E-03	4.71E-04
8194	499283.6	3733546	2.62E-03	0.00E+00	2.62E-03	4.57E-04
8195	499858.7	3734123	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8196	499868.6	3734123	7.62E-03	0.00E+00	7.62E-03	1.33E-03
8197	499878.4	3734123	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8198	499888.2	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8199	499898	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8200	499907.9	3734123	7.66E-03	0.00E+00	7.66E-03	1.33E-03
8201	499917.7	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8202	499927.5	3734123	7.65E-03	0.00E+00	7.65E-03	1.33E-03
8203	499937.3	3734123	7.63E-03	0.00E+00	7.63E-03	1.33E-03
8204	499947.2	3734123	7.62E-03	0.00E+00	7.62E-03	1.33E-03
8205	499957	3734123	7.59E-03	0.00E+00	7.59E-03	1.32E-03
8206	499966.8	3734123	7.57E-03	0.00E+00	7.57E-03	1.32E-03
8207	499976.6	3734123	7.54E-03	0.00E+00	7.54E-03	1.31E-03
8208	499986.5	3734123	7.50E-03	0.00E+00	7.50E-03	1.31E-03
8209	499996.3	3734123	7.46E-03	0.00E+00	7.46E-03	1.30E-03
8210	500006.1	3734123	7.42E-03	0.00E+00	7.42E-03	1.29E-03
8211	500015.9	3734123	7.37E-03	0.00E+00	7.37E-03	1.28E-03
8212	500025.8	3734123	7.32E-03	0.00E+00	7.32E-03	1.27E-03
8213	500035.6	3734123	7.26E-03	0.00E+00	7.26E-03	1.27E-03
8214	500045.4	3734123	7.20E-03	0.00E+00	7.20E-03	1.25E-03
8215	500055.2	3734123	7.14E-03	0.00E+00	7.14E-03	1.24E-03
8216	500065.1	3734123	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8217	500074.9	3734123	7.01E-03	0.00E+00	7.01E-03	1.22E-03
8218	500084.7	3734123	6.93E-03	0.00E+00	6.93E-03	1.21E-03

8219	500094.5	3734123	6.86E-03	0.00E+00	6.86E-03	1.20E-03
8220	500104.4	3734123	6.78E-03	0.00E+00	6.78E-03	1.18E-03
8221	500114.2	3734123	6.70E-03	0.00E+00	6.70E-03	1.17E-03
8222	500124	3734123	6.62E-03	0.00E+00	6.62E-03	1.15E-03
8223	500133.8	3734123	6.54E-03	0.00E+00	6.54E-03	1.14E-03
8224	500143.7	3734123	6.46E-03	0.00E+00	6.46E-03	1.12E-03
8225	500153.5	3734123	6.37E-03	0.00E+00	6.37E-03	1.11E-03
8226	500163.3	3734123	6.28E-03	0.00E+00	6.28E-03	1.09E-03
8227	500173.1	3734123	6.19E-03	0.00E+00	6.19E-03	1.08E-03
8228	500183	3734123	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8229	499769	3734125	7.16E-03	0.00E+00	7.16E-03	1.25E-03
8230	499760	3734121	7.14E-03	0.00E+00	7.14E-03	1.24E-03
8231	499751	3734118	7.13E-03	0.00E+00	7.13E-03	1.24E-03
8232	499742	3734114	7.11E-03	0.00E+00	7.11E-03	1.24E-03
8233	499733.1	3734110	7.08E-03	0.00E+00	7.08E-03	1.23E-03
8234	499724.1	3734106	7.05E-03	0.00E+00	7.05E-03	1.23E-03
8235	499715.1	3734103	7.01E-03	0.00E+00	7.01E-03	1.22E-03
8236	499706.2	3734099	6.97E-03	0.00E+00	6.97E-03	1.21E-03
8237	499697.2	3734095	6.93E-03	0.00E+00	6.93E-03	1.21E-03
8238	499688.2	3734091	6.88E-03	0.00E+00	6.88E-03	1.20E-03
8239	499679.2	3734088	6.83E-03	0.00E+00	6.83E-03	1.19E-03
8240	499670.3	3734084	6.77E-03	0.00E+00	6.77E-03	1.18E-03
8241	499661.3	3734080	6.71E-03	0.00E+00	6.71E-03	1.17E-03
8242	499652.3	3734076	6.64E-03	0.00E+00	6.64E-03	1.16E-03
8243	499643.3	3734073	6.58E-03	0.00E+00	6.58E-03	1.15E-03
8244	499634.4	3734069	6.51E-03	0.00E+00	6.51E-03	1.13E-03
8245	499625.4	3734065	6.43E-03	0.00E+00	6.43E-03	1.12E-03
8246	499616.4	3734061	6.36E-03	0.00E+00	6.36E-03	1.11E-03
8247	499607.5	3734058	6.28E-03	0.00E+00	6.28E-03	1.09E-03
8248	499598.5	3734054	6.19E-03	0.00E+00	6.19E-03	1.08E-03
8249	499589.5	3734050	6.11E-03	0.00E+00	6.11E-03	1.06E-03
8250	499580.5	3734046	6.02E-03	0.00E+00	6.02E-03	1.05E-03
8251	499571.6	3734043	5.93E-03	0.00E+00	5.93E-03	1.03E-03
8252	499562.6	3734039	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8253	499553.6	3734035	5.75E-03	0.00E+00	5.75E-03	1.00E-03
8254	499544.7	3734031	5.66E-03	0.00E+00	5.66E-03	9.86E-04
8255	499535.7	3734028	5.57E-03	0.00E+00	5.57E-03	9.70E-04
8256	499526.7	3734024	5.47E-03	0.00E+00	5.47E-03	9.53E-04
8257	499517.7	3734020	5.38E-03	0.00E+00	5.38E-03	9.37E-04
8258	499508.8	3734016	5.28E-03	0.00E+00	5.28E-03	9.20E-04
8259	499499.8	3734013	5.18E-03	0.00E+00	5.18E-03	9.03E-04
8260	499490.8	3734009	5.09E-03	0.00E+00	5.09E-03	8.87E-04
8261	499481.9	3734005	4.99E-03	0.00E+00	4.99E-03	8.70E-04
8262	499472.9	3734001	4.90E-03	0.00E+00	4.90E-03	8.53E-04
8263	499463.9	3733997	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8264	499454.9	3733994	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8265	499446	3733990	4.61E-03	0.00E+00	4.61E-03	8.03E-04

8266	499437	3733986	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8267	499428	3733982	4.42E-03	0.00E+00	4.42E-03	7.71E-04
8268	499415.4	3733970	4.30E-03	0.00E+00	4.30E-03	7.49E-04
8269	499411.7	3733961	4.27E-03	0.00E+00	4.27E-03	7.44E-04
8270	499408.1	3733952	4.24E-03	0.00E+00	4.24E-03	7.39E-04
8271	499404.4	3733943	4.21E-03	0.00E+00	4.21E-03	7.33E-04
8272	499400.8	3733934	4.17E-03	0.00E+00	4.17E-03	7.27E-04
8273	499320.3	3733735	3.23E-03	0.00E+00	3.23E-03	5.63E-04
8274	499316.7	3733726	3.19E-03	0.00E+00	3.19E-03	5.55E-04
8275	499313	3733717	3.14E-03	0.00E+00	3.14E-03	5.47E-04
8276	499287.4	3733654	2.83E-03	0.00E+00	2.83E-03	4.93E-04
8277	499283.8	3733645	2.79E-03	0.00E+00	2.79E-03	4.86E-04
8278	499280.1	3733636	2.75E-03	0.00E+00	2.75E-03	4.79E-04
8279	499276.5	3733627	2.71E-03	0.00E+00	2.71E-03	4.72E-04
8280	499272.8	3733618	2.67E-03	0.00E+00	2.67E-03	4.64E-04
8281	499269.2	3733609	2.63E-03	0.00E+00	2.63E-03	4.57E-04
8282	499265.5	3733600	2.59E-03	0.00E+00	2.59E-03	4.51E-04
8283	499250.9	3733564	2.43E-03	0.00E+00	2.43E-03	4.24E-04
8284	499243.6	3733546	2.36E-03	0.00E+00	2.36E-03	4.11E-04
8285	499858.7	3734163	7.03E-03	0.00E+00	7.03E-03	1.23E-03
8286	499868.5	3734163	7.05E-03	0.00E+00	7.05E-03	1.23E-03
8287	499878.3	3734163	7.06E-03	0.00E+00	7.06E-03	1.23E-03
8288	499888.1	3734163	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8289	499898	3734163	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8290	499907.8	3734163	7.07E-03	0.00E+00	7.07E-03	1.23E-03
8291	499917.6	3734163	7.06E-03	0.00E+00	7.06E-03	1.23E-03
8292	499927.4	3734163	7.05E-03	0.00E+00	7.05E-03	1.23E-03
8293	499937.3	3734163	7.04E-03	0.00E+00	7.04E-03	1.23E-03
8294	499947.1	3734163	7.02E-03	0.00E+00	7.02E-03	1.22E-03
8295	499956.9	3734163	7.00E-03	0.00E+00	7.00E-03	1.22E-03
8296	499966.7	3734163	6.97E-03	0.00E+00	6.97E-03	1.22E-03
8297	499976.6	3734163	6.95E-03	0.00E+00	6.95E-03	1.21E-03
8298	499986.4	3734163	6.91E-03	0.00E+00	6.91E-03	1.20E-03
8299	499996.2	3734163	6.88E-03	0.00E+00	6.88E-03	1.20E-03
8300	500006	3734163	6.84E-03	0.00E+00	6.84E-03	1.19E-03
8301	500015.9	3734163	6.79E-03	0.00E+00	6.79E-03	1.18E-03
8302	500025.7	3734163	6.75E-03	0.00E+00	6.75E-03	1.18E-03
8303	500035.5	3734163	6.70E-03	0.00E+00	6.70E-03	1.17E-03
8304	500045.3	3734163	6.64E-03	0.00E+00	6.64E-03	1.16E-03
8305	500055.2	3734163	6.59E-03	0.00E+00	6.59E-03	1.15E-03
8306	500065	3734163	6.53E-03	0.00E+00	6.53E-03	1.14E-03
8307	500074.8	3734163	6.47E-03	0.00E+00	6.47E-03	1.13E-03
8308	500084.6	3734163	6.41E-03	0.00E+00	6.41E-03	1.12E-03
8309	500094.5	3734163	6.34E-03	0.00E+00	6.34E-03	1.11E-03
8310	500104.3	3734163	6.28E-03	0.00E+00	6.28E-03	1.09E-03
8311	500114.1	3734163	6.21E-03	0.00E+00	6.21E-03	1.08E-03
8312	500123.9	3734163	6.13E-03	0.00E+00	6.13E-03	1.07E-03

8313	500133.8	3734163	6.06E-03	0.00E+00	6.06E-03	1.06E-03
8314	500143.6	3734163	5.99E-03	0.00E+00	5.99E-03	1.04E-03
8315	500153.4	3734163	5.91E-03	0.00E+00	5.91E-03	1.03E-03
8316	500163.2	3734163	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8317	500173.1	3734163	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8318	500182.9	3734163	5.68E-03	0.00E+00	5.68E-03	9.90E-04
8319	499849.6	3734199	6.57E-03	0.00E+00	6.57E-03	1.14E-03
8320	499840.6	3734195	6.60E-03	0.00E+00	6.60E-03	1.15E-03
8321	499831.6	3734191	6.62E-03	0.00E+00	6.62E-03	1.15E-03
8322	499822.6	3734188	6.64E-03	0.00E+00	6.64E-03	1.16E-03
8323	499813.6	3734184	6.66E-03	0.00E+00	6.66E-03	1.16E-03
8324	499804.6	3734180	6.67E-03	0.00E+00	6.67E-03	1.16E-03
8325	499795.6	3734176	6.68E-03	0.00E+00	6.68E-03	1.16E-03
8326	499786.6	3734173	6.69E-03	0.00E+00	6.69E-03	1.17E-03
8327	499777.6	3734169	6.69E-03	0.00E+00	6.69E-03	1.17E-03
8328	499768.6	3734165	6.69E-03	0.00E+00	6.69E-03	1.17E-03
8329	499759.6	3734161	6.68E-03	0.00E+00	6.68E-03	1.16E-03
8330	499669.6	3734124	6.40E-03	0.00E+00	6.40E-03	1.11E-03
8331	499660.6	3734120	6.35E-03	0.00E+00	6.35E-03	1.11E-03
8332	499651.6	3734116	6.30E-03	0.00E+00	6.30E-03	1.10E-03
8333	499642.6	3734112	6.24E-03	0.00E+00	6.24E-03	1.09E-03
8334	499633.6	3734109	6.18E-03	0.00E+00	6.18E-03	1.08E-03
8335	499624.6	3734105	6.12E-03	0.00E+00	6.12E-03	1.07E-03
8336	499615.6	3734101	6.06E-03	0.00E+00	6.06E-03	1.06E-03
8337	499606.6	3734097	5.99E-03	0.00E+00	5.99E-03	1.04E-03
8338	499597.6	3734093	5.92E-03	0.00E+00	5.92E-03	1.03E-03
8339	499588.6	3734090	5.85E-03	0.00E+00	5.85E-03	1.02E-03
8340	499579.6	3734086	5.77E-03	0.00E+00	5.77E-03	1.01E-03
8341	499570.6	3734082	5.70E-03	0.00E+00	5.70E-03	9.93E-04
8342	499561.6	3734078	5.62E-03	0.00E+00	5.62E-03	9.79E-04
8343	499552.6	3734075	5.54E-03	0.00E+00	5.54E-03	9.65E-04
8344	499543.6	3734071	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8345	499534.6	3734067	5.38E-03	0.00E+00	5.38E-03	9.37E-04
8346	499525.6	3734063	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8347	499516.6	3734060	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8348	499507.6	3734056	5.12E-03	0.00E+00	5.12E-03	8.93E-04
8349	499498.6	3734052	5.04E-03	0.00E+00	5.04E-03	8.78E-04
8350	499489.6	3734048	4.95E-03	0.00E+00	4.95E-03	8.63E-04
8351	499480.6	3734045	4.87E-03	0.00E+00	4.87E-03	8.48E-04
8352	499471.6	3734041	4.78E-03	0.00E+00	4.78E-03	8.33E-04
8353	499462.6	3734037	4.69E-03	0.00E+00	4.69E-03	8.18E-04
8354	499453.6	3734033	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8355	499444.6	3734029	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8356	499435.6	3734026	4.43E-03	0.00E+00	4.43E-03	7.72E-04
8357	499426.6	3734022	4.35E-03	0.00E+00	4.35E-03	7.57E-04
8358	499417.6	3734018	4.26E-03	0.00E+00	4.26E-03	7.43E-04
8359	499408.6	3734014	4.18E-03	0.00E+00	4.18E-03	7.28E-04

8360	499399.6	3734011	4.09E-03	0.00E+00	4.09E-03	7.13E-04
8361	499353.9	3733916	3.70E-03	0.00E+00	3.70E-03	6.44E-04
8362	499350.3	3733907	3.66E-03	0.00E+00	3.66E-03	6.38E-04
8363	499346.6	3733898	3.62E-03	0.00E+00	3.62E-03	6.31E-04
8364	499342.9	3733889	3.59E-03	0.00E+00	3.59E-03	6.25E-04
8365	499284.3	3733745	2.94E-03	0.00E+00	2.94E-03	5.12E-04
8366	499280.6	3733736	2.90E-03	0.00E+00	2.90E-03	5.05E-04
8367	499258.6	3733681	2.66E-03	0.00E+00	2.66E-03	4.64E-04
8368	499254.9	3733672	2.62E-03	0.00E+00	2.62E-03	4.57E-04
8369	499251.3	3733663	2.58E-03	0.00E+00	2.58E-03	4.50E-04
8370	499247.6	3733654	2.55E-03	0.00E+00	2.55E-03	4.44E-04
8371	499243.9	3733645	2.51E-03	0.00E+00	2.51E-03	4.37E-04
8372	499240.3	3733636	2.47E-03	0.00E+00	2.47E-03	4.31E-04
8373	499236.6	3733627	2.44E-03	0.00E+00	2.44E-03	4.25E-04
8374	499203.6	3733546	2.14E-03	0.00E+00	2.14E-03	3.72E-04
8375	499858.6	3734203	6.54E-03	0.00E+00	6.54E-03	1.14E-03
8376	499868.4	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8377	499878.2	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8378	499888.1	3734203	6.56E-03	0.00E+00	6.56E-03	1.14E-03
8379	499897.9	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8380	499907.7	3734203	6.55E-03	0.00E+00	6.55E-03	1.14E-03
8381	499917.5	3734203	6.54E-03	0.00E+00	6.54E-03	1.14E-03
8382	499927.4	3734203	6.53E-03	0.00E+00	6.53E-03	1.14E-03
8383	499937.2	3734203	6.52E-03	0.00E+00	6.52E-03	1.14E-03
8384	499947	3734203	6.50E-03	0.00E+00	6.50E-03	1.13E-03
8385	499956.8	3734203	6.48E-03	0.00E+00	6.48E-03	1.13E-03
8386	499966.7	3734203	6.45E-03	0.00E+00	6.45E-03	1.12E-03
8387	499976.5	3734203	6.43E-03	0.00E+00	6.43E-03	1.12E-03
8388	499986.3	3734203	6.40E-03	0.00E+00	6.40E-03	1.11E-03
8389	499996.1	3734203	6.36E-03	0.00E+00	6.36E-03	1.11E-03
8390	500006	3734203	6.33E-03	0.00E+00	6.33E-03	1.10E-03
8391	500015.8	3734203	6.29E-03	0.00E+00	6.29E-03	1.10E-03
8392	500025.6	3734203	6.24E-03	0.00E+00	6.24E-03	1.09E-03
8393	500035.4	3734203	6.20E-03	0.00E+00	6.20E-03	1.08E-03
8394	500045.3	3734203	6.15E-03	0.00E+00	6.15E-03	1.07E-03
8395	500055.1	3734203	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8396	500064.9	3734203	6.05E-03	0.00E+00	6.05E-03	1.05E-03
8397	500074.7	3734203	6.00E-03	0.00E+00	6.00E-03	1.04E-03
8398	500084.6	3734203	5.94E-03	0.00E+00	5.94E-03	1.04E-03
8399	500094.4	3734203	5.88E-03	0.00E+00	5.88E-03	1.03E-03
8400	500104.2	3734203	5.82E-03	0.00E+00	5.82E-03	1.01E-03
8401	500114	3734203	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8402	500123.9	3734203	5.70E-03	0.00E+00	5.70E-03	9.93E-04
8403	500133.7	3734203	5.64E-03	0.00E+00	5.64E-03	9.82E-04
8404	500143.5	3734203	5.57E-03	0.00E+00	5.57E-03	9.71E-04
8405	500153.3	3734203	5.51E-03	0.00E+00	5.51E-03	9.60E-04
8406	500163.1	3734203	5.44E-03	0.00E+00	5.44E-03	9.48E-04

8407	500173	3734203	5.37E-03	0.00E+00	5.37E-03	9.36E-04
8408	500182.8	3734203	5.30E-03	0.00E+00	5.30E-03	9.24E-04
8409	499849.5	3734239	6.12E-03	0.00E+00	6.12E-03	1.07E-03
8410	499840.5	3734235	6.15E-03	0.00E+00	6.15E-03	1.07E-03
8411	499831.4	3734231	6.18E-03	0.00E+00	6.18E-03	1.08E-03
8412	499822.4	3734228	6.20E-03	0.00E+00	6.20E-03	1.08E-03
8413	499813.4	3734224	6.22E-03	0.00E+00	6.22E-03	1.08E-03
8414	499804.4	3734220	6.23E-03	0.00E+00	6.23E-03	1.09E-03
8415	499795.3	3734216	6.24E-03	0.00E+00	6.24E-03	1.09E-03
8416	499786.3	3734213	6.25E-03	0.00E+00	6.25E-03	1.09E-03
8417	499777.3	3734209	6.26E-03	0.00E+00	6.26E-03	1.09E-03
8418	499768.3	3734205	6.26E-03	0.00E+00	6.26E-03	1.09E-03
8419	499759.2	3734201	6.26E-03	0.00E+00	6.26E-03	1.09E-03
8420	499750.2	3734197	6.25E-03	0.00E+00	6.25E-03	1.09E-03
8421	499741.2	3734194	6.25E-03	0.00E+00	6.25E-03	1.09E-03
8422	499732.2	3734190	6.23E-03	0.00E+00	6.23E-03	1.09E-03
8423	499723.1	3734186	6.22E-03	0.00E+00	6.22E-03	1.08E-03
8424	499714.1	3734182	6.20E-03	0.00E+00	6.20E-03	1.08E-03
8425	499705.1	3734179	6.18E-03	0.00E+00	6.18E-03	1.08E-03
8426	499696.1	3734175	6.15E-03	0.00E+00	6.15E-03	1.07E-03
8427	499687	3734171	6.12E-03	0.00E+00	6.12E-03	1.07E-03
8428	499678	3734167	6.09E-03	0.00E+00	6.09E-03	1.06E-03
8429	499669	3734163	6.05E-03	0.00E+00	6.05E-03	1.05E-03
8430	499569.7	3734122	5.47E-03	0.00E+00	5.47E-03	9.52E-04
8431	499560.7	3734118	5.40E-03	0.00E+00	5.40E-03	9.41E-04
8432	499551.7	3734114	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8433	499542.7	3734111	5.26E-03	0.00E+00	5.26E-03	9.16E-04
8434	499533.6	3734107	5.19E-03	0.00E+00	5.19E-03	9.04E-04
8435	499524.6	3734103	5.11E-03	0.00E+00	5.11E-03	8.91E-04
8436	499515.6	3734099	5.04E-03	0.00E+00	5.04E-03	8.78E-04
8437	499506.6	3734095	4.96E-03	0.00E+00	4.96E-03	8.65E-04
8438	499497.5	3734092	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8439	499488.5	3734088	4.81E-03	0.00E+00	4.81E-03	8.38E-04
8440	499479.5	3734084	4.73E-03	0.00E+00	4.73E-03	8.25E-04
8441	499470.5	3734080	4.66E-03	0.00E+00	4.66E-03	8.11E-04
8442	499461.4	3734077	4.58E-03	0.00E+00	4.58E-03	7.98E-04
8443	499452.4	3734073	4.50E-03	0.00E+00	4.50E-03	7.84E-04
8444	499443.4	3734069	4.42E-03	0.00E+00	4.42E-03	7.70E-04
8445	499434.4	3734065	4.34E-03	0.00E+00	4.34E-03	7.57E-04
8446	499425.3	3734061	4.27E-03	0.00E+00	4.27E-03	7.43E-04
8447	499416.3	3734058	4.19E-03	0.00E+00	4.19E-03	7.30E-04
8448	499407.3	3734054	4.11E-03	0.00E+00	4.11E-03	7.16E-04
8449	499398.3	3734050	4.03E-03	0.00E+00	4.03E-03	7.02E-04
8450	499358.5	3734026	3.70E-03	0.00E+00	3.70E-03	6.45E-04
8451	499354.8	3734017	3.68E-03	0.00E+00	3.68E-03	6.41E-04
8452	499351.1	3734008	3.65E-03	0.00E+00	3.65E-03	6.36E-04
8453	499347.5	3733999	3.62E-03	0.00E+00	3.62E-03	6.32E-04

8454	499343.8	3733990	3.60E-03	0.00E+00	3.60E-03	6.27E-04
8455	499340.1	3733981	3.57E-03	0.00E+00	3.57E-03	6.21E-04
8456	499321.7	3733935	3.41E-03	0.00E+00	3.41E-03	5.94E-04
8457	499318	3733926	3.38E-03	0.00E+00	3.38E-03	5.88E-04
8458	499314.4	3733917	3.34E-03	0.00E+00	3.34E-03	5.82E-04
8459	499310.7	3733908	3.31E-03	0.00E+00	3.31E-03	5.76E-04
8460	499307	3733899	3.27E-03	0.00E+00	3.27E-03	5.70E-04
8461	499303.3	3733890	3.24E-03	0.00E+00	3.24E-03	5.64E-04
8462	499229.8	3733709	2.51E-03	0.00E+00	2.51E-03	4.37E-04
8463	499226.1	3733700	2.47E-03	0.00E+00	2.47E-03	4.31E-04
8464	499222.4	3733690	2.44E-03	0.00E+00	2.44E-03	4.25E-04
8465	499218.8	3733681	2.40E-03	0.00E+00	2.40E-03	4.19E-04
8466	499215.1	3733672	2.37E-03	0.00E+00	2.37E-03	4.13E-04
8467	499211.4	3733663	2.34E-03	0.00E+00	2.34E-03	4.07E-04
8468	499207.7	3733654	2.30E-03	0.00E+00	2.30E-03	4.01E-04
8469	499204.1	3733645	2.27E-03	0.00E+00	2.27E-03	3.96E-04
8470	499167.3	3733554	1.97E-03	0.00E+00	1.97E-03	3.44E-04
8471	499858.5	3734243	6.09E-03	0.00E+00	6.09E-03	1.06E-03
8472	499868.3	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8473	499878.2	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8474	499888	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8475	499897.8	3734243	6.10E-03	0.00E+00	6.10E-03	1.06E-03
8476	499907.6	3734243	6.09E-03	0.00E+00	6.09E-03	1.06E-03
8477	499917.5	3734243	6.08E-03	0.00E+00	6.08E-03	1.06E-03
8478	499927.3	3734243	6.07E-03	0.00E+00	6.07E-03	1.06E-03
8479	499937.1	3734243	6.06E-03	0.00E+00	6.06E-03	1.06E-03
8480	499946.9	3734243	6.04E-03	0.00E+00	6.04E-03	1.05E-03
8481	499956.8	3734243	6.02E-03	0.00E+00	6.02E-03	1.05E-03
8482	499966.6	3734243	5.99E-03	0.00E+00	5.99E-03	1.04E-03
8483	499976.4	3734243	5.97E-03	0.00E+00	5.97E-03	1.04E-03
8484	499986.2	3734243	5.94E-03	0.00E+00	5.94E-03	1.03E-03
8485	499996.1	3734243	5.91E-03	0.00E+00	5.91E-03	1.03E-03
8486	500005.9	3734243	5.88E-03	0.00E+00	5.88E-03	1.02E-03
8487	500015.7	3734243	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8488	500025.5	3734243	5.80E-03	0.00E+00	5.80E-03	1.01E-03
8489	500035.4	3734243	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8490	500045.2	3734243	5.72E-03	0.00E+00	5.72E-03	9.96E-04
8491	500055	3734243	5.67E-03	0.00E+00	5.67E-03	9.89E-04
8492	500064.8	3734243	5.63E-03	0.00E+00	5.63E-03	9.81E-04
8493	500074.6	3734243	5.58E-03	0.00E+00	5.58E-03	9.72E-04
8494	500084.5	3734243	5.53E-03	0.00E+00	5.53E-03	9.64E-04
8495	500094.3	3734243	5.48E-03	0.00E+00	5.48E-03	9.55E-04
8496	500104.1	3734243	5.43E-03	0.00E+00	5.43E-03	9.46E-04
8497	500113.9	3734243	5.37E-03	0.00E+00	5.37E-03	9.36E-04
8498	500123.8	3734243	5.32E-03	0.00E+00	5.32E-03	9.27E-04
8499	500133.6	3734243	5.26E-03	0.00E+00	5.26E-03	9.17E-04
8500	500143.4	3734243	5.20E-03	0.00E+00	5.20E-03	9.07E-04

8501	500153.2	3734243	5.15E-03	0.00E+00	5.15E-03	8.97E-04
8502	500163.1	3734243	5.09E-03	0.00E+00	5.09E-03	8.86E-04
8503	500172.9	3734243	5.03E-03	0.00E+00	5.03E-03	8.76E-04
8504	500182.7	3734243	4.97E-03	0.00E+00	4.97E-03	8.65E-04
8505	499849.4	3734279	5.72E-03	0.00E+00	5.72E-03	9.97E-04
8506	499840.3	3734275	5.75E-03	0.00E+00	5.75E-03	1.00E-03
8507	499831.3	3734271	5.77E-03	0.00E+00	5.77E-03	1.01E-03
8508	499822.2	3734268	5.80E-03	0.00E+00	5.80E-03	1.01E-03
8509	499813.2	3734264	5.82E-03	0.00E+00	5.82E-03	1.01E-03
8510	499804.2	3734260	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8511	499795.1	3734256	5.85E-03	0.00E+00	5.85E-03	1.02E-03
8512	499786.1	3734252	5.86E-03	0.00E+00	5.86E-03	1.02E-03
8513	499777	3734249	5.87E-03	0.00E+00	5.87E-03	1.02E-03
8514	499768	3734245	5.87E-03	0.00E+00	5.87E-03	1.02E-03
8515	499758.9	3734241	5.88E-03	0.00E+00	5.88E-03	1.02E-03
8516	499749.9	3734237	5.88E-03	0.00E+00	5.88E-03	1.02E-03
8517	499740.8	3734234	5.87E-03	0.00E+00	5.87E-03	1.02E-03
8518	499731.8	3734230	5.86E-03	0.00E+00	5.86E-03	1.02E-03
8519	499722.7	3734226	5.85E-03	0.00E+00	5.85E-03	1.02E-03
8520	499713.7	3734222	5.84E-03	0.00E+00	5.84E-03	1.02E-03
8521	499704.6	3734218	5.83E-03	0.00E+00	5.83E-03	1.02E-03
8522	499695.6	3734215	5.81E-03	0.00E+00	5.81E-03	1.01E-03
8523	499686.5	3734211	5.78E-03	0.00E+00	5.78E-03	1.01E-03
8524	499677.5	3734207	5.76E-03	0.00E+00	5.76E-03	1.00E-03
8525	499668.5	3734203	5.73E-03	0.00E+00	5.73E-03	9.98E-04
8526	499659.4	3734199	5.70E-03	0.00E+00	5.70E-03	9.93E-04
8527	499650.4	3734196	5.66E-03	0.00E+00	5.66E-03	9.87E-04
8528	499641.3	3734192	5.63E-03	0.00E+00	5.63E-03	9.80E-04
8529	499632.3	3734188	5.59E-03	0.00E+00	5.59E-03	9.73E-04
8530	499623.2	3734184	5.54E-03	0.00E+00	5.54E-03	9.66E-04
8531	499614.2	3734180	5.50E-03	0.00E+00	5.50E-03	9.58E-04
8532	499605.1	3734177	5.45E-03	0.00E+00	5.45E-03	9.50E-04
8533	499596.1	3734173	5.40E-03	0.00E+00	5.40E-03	9.41E-04
8534	499587	3734169	5.35E-03	0.00E+00	5.35E-03	9.32E-04
8535	499578	3734165	5.30E-03	0.00E+00	5.30E-03	9.23E-04
8536	499568.9	3734162	5.24E-03	0.00E+00	5.24E-03	9.13E-04
8537	499478.5	3734124	4.60E-03	0.00E+00	4.60E-03	8.01E-04
8538	499469.4	3734120	4.53E-03	0.00E+00	4.53E-03	7.89E-04
8539	499460.4	3734116	4.46E-03	0.00E+00	4.46E-03	7.77E-04
8540	499451.3	3734112	4.39E-03	0.00E+00	4.39E-03	7.65E-04
8541	499442.3	3734109	4.32E-03	0.00E+00	4.32E-03	7.52E-04
8542	499433.2	3734105	4.25E-03	0.00E+00	4.25E-03	7.40E-04
8543	499424.2	3734101	4.18E-03	0.00E+00	4.18E-03	7.28E-04
8544	499415.1	3734097	4.10E-03	0.00E+00	4.10E-03	7.15E-04
8545	499406.1	3734093	4.03E-03	0.00E+00	4.03E-03	7.03E-04
8546	499360.9	3734074	3.68E-03	0.00E+00	3.68E-03	6.41E-04
8547	499351.8	3734071	3.61E-03	0.00E+00	3.61E-03	6.29E-04

8548	499342.8	3734067	3.54E-03	0.00E+00	3.54E-03	6.18E-04
8549	499330	3734054	3.45E-03	0.00E+00	3.45E-03	6.02E-04
8550	499326.4	3734045	3.43E-03	0.00E+00	3.43E-03	5.98E-04
8551	499322.7	3734036	3.41E-03	0.00E+00	3.41E-03	5.93E-04
8552	499319	3734027	3.38E-03	0.00E+00	3.38E-03	5.89E-04
8553	499315.3	3734018	3.35E-03	0.00E+00	3.35E-03	5.85E-04
8554	499293.2	3733963	3.18E-03	0.00E+00	3.18E-03	5.55E-04
8555	499289.5	3733954	3.15E-03	0.00E+00	3.15E-03	5.50E-04
8556	499285.8	3733945	3.12E-03	0.00E+00	3.12E-03	5.44E-04
8557	499282.1	3733936	3.09E-03	0.00E+00	3.09E-03	5.39E-04
8558	499278.4	3733927	3.06E-03	0.00E+00	3.06E-03	5.33E-04
8559	499274.7	3733918	3.03E-03	0.00E+00	3.03E-03	5.28E-04
8560	499271.1	3733909	3.00E-03	0.00E+00	3.00E-03	5.22E-04
8561	499197.3	3733727	2.33E-03	0.00E+00	2.33E-03	4.07E-04
8562	499193.7	3733718	2.30E-03	0.00E+00	2.30E-03	4.01E-04
8563	499190	3733709	2.27E-03	0.00E+00	2.27E-03	3.96E-04
8564	499186.3	3733700	2.24E-03	0.00E+00	2.24E-03	3.91E-04
8565	499182.6	3733690	2.21E-03	0.00E+00	2.21E-03	3.85E-04
8566	499178.9	3733681	2.18E-03	0.00E+00	2.18E-03	3.80E-04
8567	499175.2	3733672	2.15E-03	0.00E+00	2.15E-03	3.75E-04
8568	499160.5	3733636	2.04E-03	0.00E+00	2.04E-03	3.55E-04
8569	499127.3	3733554	1.81E-03	0.00E+00	1.81E-03	3.15E-04
8570	499123.6	3733545	1.78E-03	0.00E+00	1.78E-03	3.11E-04
8571	499858.4	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8572	499868.3	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8573	499878.1	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8574	499887.9	3734283	5.69E-03	0.00E+00	5.69E-03	9.92E-04
8575	499897.7	3734283	5.69E-03	0.00E+00	5.69E-03	9.91E-04
8576	499907.6	3734283	5.68E-03	0.00E+00	5.68E-03	9.90E-04
8577	499917.4	3734283	5.67E-03	0.00E+00	5.67E-03	9.88E-04
8578	499927.2	3734283	5.66E-03	0.00E+00	5.66E-03	9.86E-04
8579	499937	3734283	5.64E-03	0.00E+00	5.64E-03	9.83E-04
8580	499946.9	3734283	5.63E-03	0.00E+00	5.63E-03	9.80E-04
8581	499956.7	3734283	5.61E-03	0.00E+00	5.61E-03	9.77E-04
8582	499966.5	3734283	5.59E-03	0.00E+00	5.59E-03	9.73E-04
8583	499976.3	3734283	5.56E-03	0.00E+00	5.56E-03	9.69E-04
8584	499986.2	3734283	5.53E-03	0.00E+00	5.53E-03	9.64E-04
8585	499996	3734283	5.51E-03	0.00E+00	5.51E-03	9.59E-04
8586	500005.8	3734283	5.47E-03	0.00E+00	5.47E-03	9.54E-04
8587	500015.6	3734283	5.44E-03	0.00E+00	5.44E-03	9.48E-04
8588	500025.4	3734283	5.41E-03	0.00E+00	5.41E-03	9.42E-04
8589	500035.3	3734283	5.37E-03	0.00E+00	5.37E-03	9.36E-04
8590	500045.1	3734283	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8591	500054.9	3734283	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8592	500064.7	3734283	5.25E-03	0.00E+00	5.25E-03	9.15E-04
8593	500074.6	3734283	5.21E-03	0.00E+00	5.21E-03	9.07E-04
8594	500084.4	3734283	5.16E-03	0.00E+00	5.16E-03	9.00E-04

8595	500094.2	3734283	5.12E-03	0.00E+00	5.12E-03	8.92E-04
8596	500104	3734283	5.07E-03	0.00E+00	5.07E-03	8.84E-04
8597	500113.9	3734283	5.02E-03	0.00E+00	5.02E-03	8.75E-04
8598	500123.7	3734283	4.97E-03	0.00E+00	4.97E-03	8.67E-04
8599	500133.5	3734283	4.92E-03	0.00E+00	4.92E-03	8.58E-04
8600	500143.3	3734283	4.87E-03	0.00E+00	4.87E-03	8.49E-04
8601	500153.2	3734283	4.82E-03	0.00E+00	4.82E-03	8.40E-04
8602	500163	3734283	4.77E-03	0.00E+00	4.77E-03	8.31E-04
8603	500172.8	3734283	4.72E-03	0.00E+00	4.72E-03	8.22E-04
8604	500182.6	3734283	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8605	499849.4	3734319	5.36E-03	0.00E+00	5.36E-03	9.34E-04
8606	499840.5	3734315	5.39E-03	0.00E+00	5.39E-03	9.39E-04
8607	499831.6	3734312	5.41E-03	0.00E+00	5.41E-03	9.43E-04
8608	499822.7	3734308	5.43E-03	0.00E+00	5.43E-03	9.47E-04
8609	499813.8	3734304	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8610	499804.8	3734300	5.47E-03	0.00E+00	5.47E-03	9.54E-04
8611	499795.9	3734297	5.49E-03	0.00E+00	5.49E-03	9.56E-04
8612	499787	3734293	5.50E-03	0.00E+00	5.50E-03	9.59E-04
8613	499778.1	3734289	5.51E-03	0.00E+00	5.51E-03	9.60E-04
8614	499769.1	3734285	5.52E-03	0.00E+00	5.52E-03	9.62E-04
8615	499760.2	3734282	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8616	499751.3	3734278	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8617	499742.4	3734274	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8618	499733.5	3734270	5.53E-03	0.00E+00	5.53E-03	9.63E-04
8619	499724.5	3734267	5.52E-03	0.00E+00	5.52E-03	9.62E-04
8620	499715.6	3734263	5.51E-03	0.00E+00	5.51E-03	9.61E-04
8621	499706.7	3734259	5.50E-03	0.00E+00	5.50E-03	9.59E-04
8622	499697.8	3734256	5.49E-03	0.00E+00	5.49E-03	9.57E-04
8623	499688.9	3734252	5.48E-03	0.00E+00	5.48E-03	9.54E-04
8624	499679.9	3734248	5.46E-03	0.00E+00	5.46E-03	9.51E-04
8625	499671	3734244	5.44E-03	0.00E+00	5.44E-03	9.47E-04
8626	499662.1	3734241	5.41E-03	0.00E+00	5.41E-03	9.43E-04
8627	499653.2	3734237	5.39E-03	0.00E+00	5.39E-03	9.38E-04
8628	499644.3	3734233	5.36E-03	0.00E+00	5.36E-03	9.33E-04
8629	499635.3	3734229	5.33E-03	0.00E+00	5.33E-03	9.28E-04
8630	499626.4	3734226	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8631	499617.5	3734222	5.26E-03	0.00E+00	5.26E-03	9.16E-04
8632	499608.6	3734218	5.22E-03	0.00E+00	5.22E-03	9.09E-04
8633	499599.7	3734214	5.18E-03	0.00E+00	5.18E-03	9.03E-04
8634	499590.7	3734211	5.14E-03	0.00E+00	5.14E-03	8.95E-04
8635	499581.8	3734207	5.09E-03	0.00E+00	5.09E-03	8.87E-04
8636	499572.9	3734203	5.05E-03	0.00E+00	5.05E-03	8.79E-04
8637	499564	3734200	5.00E-03	0.00E+00	5.00E-03	8.71E-04
8638	499555.1	3734196	4.95E-03	0.00E+00	4.95E-03	8.63E-04
8639	499546.1	3734192	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8640	499537.2	3734188	4.85E-03	0.00E+00	4.85E-03	8.44E-04
8641	499528.3	3734185	4.79E-03	0.00E+00	4.79E-03	8.35E-04

8642	499519.4	3734181	4.74E-03	0.00E+00	4.74E-03	8.25E-04
8643	499510.5	3734177	4.68E-03	0.00E+00	4.68E-03	8.15E-04
8644	499501.5	3734173	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8645	499492.6	3734170	4.56E-03	0.00E+00	4.56E-03	7.95E-04
8646	499483.7	3734166	4.50E-03	0.00E+00	4.50E-03	7.85E-04
8647	499474.8	3734162	4.44E-03	0.00E+00	4.44E-03	7.74E-04
8648	499358.8	3734114	3.62E-03	0.00E+00	3.62E-03	6.31E-04
8649	499349.9	3734110	3.56E-03	0.00E+00	3.56E-03	6.20E-04
8650	499341	3734106	3.50E-03	0.00E+00	3.50E-03	6.09E-04
8651	499332	3734102	3.43E-03	0.00E+00	3.43E-03	5.98E-04
8652	499323.1	3734099	3.37E-03	0.00E+00	3.37E-03	5.88E-04
8653	499314.2	3734095	3.31E-03	0.00E+00	3.31E-03	5.77E-04
8654	499301.7	3734082	3.23E-03	0.00E+00	3.23E-03	5.63E-04
8655	499298	3734073	3.21E-03	0.00E+00	3.21E-03	5.59E-04
8656	499294.4	3734064	3.19E-03	0.00E+00	3.19E-03	5.55E-04
8657	499290.7	3734055	3.16E-03	0.00E+00	3.16E-03	5.51E-04
8658	499287.1	3734046	3.14E-03	0.00E+00	3.14E-03	5.47E-04
8659	499283.5	3734037	3.12E-03	0.00E+00	3.12E-03	5.43E-04
8660	499279.8	3734028	3.09E-03	0.00E+00	3.09E-03	5.39E-04
8661	499258	3733975	2.93E-03	0.00E+00	2.93E-03	5.11E-04
8662	499254.4	3733966	2.91E-03	0.00E+00	2.91E-03	5.06E-04
8663	499250.8	3733957	2.88E-03	0.00E+00	2.88E-03	5.01E-04
8664	499247.1	3733948	2.85E-03	0.00E+00	2.85E-03	4.96E-04
8665	499243.5	3733939	2.82E-03	0.00E+00	2.82E-03	4.91E-04
8666	499239.9	3733930	2.79E-03	0.00E+00	2.79E-03	4.86E-04
8667	499218.1	3733876	2.61E-03	0.00E+00	2.61E-03	4.55E-04
8668	499214.4	3733867	2.58E-03	0.00E+00	2.58E-03	4.50E-04
8669	499210.8	3733858	2.55E-03	0.00E+00	2.55E-03	4.44E-04
8670	499163.5	3733742	2.17E-03	0.00E+00	2.17E-03	3.78E-04
8671	499159.9	3733733	2.14E-03	0.00E+00	2.14E-03	3.73E-04
8672	499156.3	3733724	2.12E-03	0.00E+00	2.12E-03	3.69E-04
8673	499152.6	3733715	2.09E-03	0.00E+00	2.09E-03	3.64E-04
8674	499149	3733706	2.06E-03	0.00E+00	2.06E-03	3.59E-04
8675	499127.2	3733652	1.91E-03	0.00E+00	1.91E-03	3.32E-04
8676	499119.9	3733634	1.86E-03	0.00E+00	1.86E-03	3.24E-04
8677	499083.6	3733545	1.64E-03	0.00E+00	1.64E-03	2.86E-04
8678	499858.4	3734323	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8679	499868.2	3734323	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8680	499878	3734323	5.33E-03	0.00E+00	5.33E-03	9.29E-04
8681	499887.8	3734323	5.33E-03	0.00E+00	5.33E-03	9.28E-04
8682	499897.7	3734323	5.32E-03	0.00E+00	5.32E-03	9.27E-04
8683	499907.5	3734323	5.31E-03	0.00E+00	5.31E-03	9.26E-04
8684	499917.3	3734323	5.30E-03	0.00E+00	5.30E-03	9.24E-04
8685	499927.1	3734323	5.29E-03	0.00E+00	5.29E-03	9.22E-04
8686	499936.9	3734323	5.28E-03	0.00E+00	5.28E-03	9.19E-04
8687	499946.8	3734323	5.26E-03	0.00E+00	5.26E-03	9.16E-04
8688	499956.6	3734323	5.24E-03	0.00E+00	5.24E-03	9.13E-04

8689	499966.4	3734323	5.22E-03	0.00E+00	5.22E-03	9.09E-04
8690	499976.2	3734323	5.20E-03	0.00E+00	5.20E-03	9.06E-04
8691	499986.1	3734323	5.17E-03	0.00E+00	5.17E-03	9.01E-04
8692	499995.9	3734323	5.15E-03	0.00E+00	5.15E-03	8.97E-04
8693	500005.7	3734323	5.12E-03	0.00E+00	5.12E-03	8.92E-04
8694	500015.5	3734323	5.09E-03	0.00E+00	5.09E-03	8.86E-04
8695	500025.4	3734323	5.05E-03	0.00E+00	5.05E-03	8.81E-04
8696	500035.2	3734323	5.02E-03	0.00E+00	5.02E-03	8.75E-04
8697	500045	3734323	4.99E-03	0.00E+00	4.99E-03	8.69E-04
8698	500054.8	3734323	4.95E-03	0.00E+00	4.95E-03	8.63E-04
8699	500064.7	3734323	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8700	500074.5	3734323	4.88E-03	0.00E+00	4.88E-03	8.49E-04
8701	500084.3	3734323	4.84E-03	0.00E+00	4.84E-03	8.43E-04
8702	500094.1	3734323	4.79E-03	0.00E+00	4.79E-03	8.35E-04
8703	500104	3734323	4.75E-03	0.00E+00	4.75E-03	8.28E-04
8704	500113.8	3734323	4.71E-03	0.00E+00	4.71E-03	8.21E-04
8705	500123.6	3734323	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8706	500133.4	3734323	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8707	500143.3	3734323	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8708	500153.1	3734323	4.53E-03	0.00E+00	4.53E-03	7.89E-04
8709	500162.9	3734323	4.48E-03	0.00E+00	4.48E-03	7.81E-04
8710	500172.7	3734323	4.43E-03	0.00E+00	4.43E-03	7.73E-04
8711	500182.6	3734323	4.39E-03	0.00E+00	4.39E-03	7.64E-04
8712	499849.3	3734359	5.03E-03	0.00E+00	5.03E-03	8.77E-04
8713	499840.4	3734355	5.06E-03	0.00E+00	5.06E-03	8.82E-04
8714	499831.4	3734352	5.08E-03	0.00E+00	5.08E-03	8.86E-04
8715	499822.5	3734348	5.11E-03	0.00E+00	5.11E-03	8.90E-04
8716	499813.5	3734344	5.13E-03	0.00E+00	5.13E-03	8.93E-04
8717	499804.6	3734340	5.15E-03	0.00E+00	5.15E-03	8.97E-04
8718	499795.7	3734337	5.16E-03	0.00E+00	5.16E-03	8.99E-04
8719	499786.7	3734333	5.18E-03	0.00E+00	5.18E-03	9.02E-04
8720	499777.8	3734329	5.19E-03	0.00E+00	5.19E-03	9.04E-04
8721	499768.8	3734325	5.20E-03	0.00E+00	5.20E-03	9.06E-04
8722	499759.9	3734322	5.21E-03	0.00E+00	5.21E-03	9.07E-04
8723	499750.9	3734318	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8724	499742	3734314	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8725	499733	3734310	5.21E-03	0.00E+00	5.21E-03	9.09E-04
8726	499724.1	3734307	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8727	499715.2	3734303	5.21E-03	0.00E+00	5.21E-03	9.08E-04
8728	499706.2	3734299	5.20E-03	0.00E+00	5.20E-03	9.06E-04
8729	499697.3	3734295	5.19E-03	0.00E+00	5.19E-03	9.05E-04
8730	499688.3	3734292	5.18E-03	0.00E+00	5.18E-03	9.03E-04
8731	499679.4	3734288	5.17E-03	0.00E+00	5.17E-03	9.01E-04
8732	499670.4	3734284	5.15E-03	0.00E+00	5.15E-03	8.98E-04
8733	499661.5	3734280	5.13E-03	0.00E+00	5.13E-03	8.95E-04
8734	499652.5	3734277	5.11E-03	0.00E+00	5.11E-03	8.91E-04
8735	499643.6	3734273	5.09E-03	0.00E+00	5.09E-03	8.87E-04

8736	499634.6	3734269	5.07E-03	0.00E+00	5.07E-03	8.83E-04
8737	499625.7	3734265	5.04E-03	0.00E+00	5.04E-03	8.78E-04
8738	499616.8	3734262	5.01E-03	0.00E+00	5.01E-03	8.73E-04
8739	499607.8	3734258	4.98E-03	0.00E+00	4.98E-03	8.67E-04
8740	499598.9	3734254	4.94E-03	0.00E+00	4.94E-03	8.62E-04
8741	499589.9	3734250	4.91E-03	0.00E+00	4.91E-03	8.55E-04
8742	499581	3734247	4.87E-03	0.00E+00	4.87E-03	8.49E-04
8743	499572	3734243	4.83E-03	0.00E+00	4.83E-03	8.42E-04
8744	499563.1	3734239	4.79E-03	0.00E+00	4.79E-03	8.35E-04
8745	499554.1	3734235	4.75E-03	0.00E+00	4.75E-03	8.27E-04
8746	499545.2	3734232	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8747	499536.3	3734228	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8748	499527.3	3734224	4.61E-03	0.00E+00	4.61E-03	8.04E-04
8749	499518.4	3734220	4.56E-03	0.00E+00	4.56E-03	7.95E-04
8750	499509.4	3734217	4.51E-03	0.00E+00	4.51E-03	7.86E-04
8751	499500.5	3734213	4.46E-03	0.00E+00	4.46E-03	7.78E-04
8752	499491.5	3734209	4.41E-03	0.00E+00	4.41E-03	7.69E-04
8753	499482.6	3734205	4.36E-03	0.00E+00	4.36E-03	7.59E-04
8754	499473.6	3734202	4.30E-03	0.00E+00	4.30E-03	7.50E-04
8755	499464.7	3734198	4.25E-03	0.00E+00	4.25E-03	7.40E-04
8756	499455.7	3734194	4.19E-03	0.00E+00	4.19E-03	7.31E-04
8757	499446.8	3734190	4.14E-03	0.00E+00	4.14E-03	7.21E-04
8758	499437.9	3734187	4.08E-03	0.00E+00	4.08E-03	7.11E-04
8759	499428.9	3734183	4.02E-03	0.00E+00	4.02E-03	7.01E-04
8760	499420	3734179	3.97E-03	0.00E+00	3.97E-03	6.91E-04
8761	499411	3734176	3.91E-03	0.00E+00	3.91E-03	6.81E-04
8762	499285.8	3734123	3.10E-03	0.00E+00	3.10E-03	5.41E-04
8763	499273.2	3734110	3.03E-03	0.00E+00	3.03E-03	5.28E-04
8764	499262.3	3734083	2.97E-03	0.00E+00	2.97E-03	5.17E-04
8765	499258.6	3734074	2.95E-03	0.00E+00	2.95E-03	5.13E-04
8766	499255	3734065	2.92E-03	0.00E+00	2.92E-03	5.09E-04
8767	499251.3	3734056	2.90E-03	0.00E+00	2.90E-03	5.05E-04
8768	499247.7	3734047	2.88E-03	0.00E+00	2.88E-03	5.01E-04
8769	499244	3734038	2.85E-03	0.00E+00	2.85E-03	4.97E-04
8770	499222.2	3733985	2.70E-03	0.00E+00	2.70E-03	4.71E-04
8771	499218.5	3733976	2.68E-03	0.00E+00	2.68E-03	4.67E-04
8772	499214.9	3733967	2.65E-03	0.00E+00	2.65E-03	4.62E-04
8773	499211.2	3733958	2.62E-03	0.00E+00	2.62E-03	4.57E-04
8774	499207.6	3733949	2.60E-03	0.00E+00	2.60E-03	4.53E-04
8775	499203.9	3733940	2.57E-03	0.00E+00	2.57E-03	4.48E-04
8776	499200.3	3733931	2.54E-03	0.00E+00	2.54E-03	4.43E-04
8777	499182.1	3733886	2.41E-03	0.00E+00	2.41E-03	4.19E-04
8778	499178.4	3733877	2.38E-03	0.00E+00	2.38E-03	4.15E-04
8779	499174.8	3733868	2.35E-03	0.00E+00	2.35E-03	4.10E-04
8780	499171.1	3733859	2.32E-03	0.00E+00	2.32E-03	4.05E-04
8781	499123.8	3733742	1.98E-03	0.00E+00	1.98E-03	3.46E-04
8782	499120.1	3733733	1.96E-03	0.00E+00	1.96E-03	3.41E-04

8783	499116.5	3733724	1.93E-03	0.00E+00	1.93E-03	3.37E-04
8784	499094.6	3733670	1.80E-03	0.00E+00	1.80E-03	3.13E-04
8785	499091	3733661	1.77E-03	0.00E+00	1.77E-03	3.09E-04
8786	499087.3	3733652	1.75E-03	0.00E+00	1.75E-03	3.05E-04
8787	499043.6	3733544	1.51E-03	0.00E+00	1.51E-03	2.64E-04
8788	499858.3	3734363	5.01E-03	0.00E+00	5.01E-03	8.72E-04
8789	499868.1	3734363	5.01E-03	0.00E+00	5.01E-03	8.72E-04
8790	499877.9	3734363	5.00E-03	0.00E+00	5.00E-03	8.72E-04
8791	499887.7	3734363	5.00E-03	0.00E+00	5.00E-03	8.71E-04
8792	499897.6	3734363	4.99E-03	0.00E+00	4.99E-03	8.70E-04
8793	499907.4	3734363	4.98E-03	0.00E+00	4.98E-03	8.68E-04
8794	499917.2	3734363	4.97E-03	0.00E+00	4.97E-03	8.66E-04
8795	499927	3734363	4.96E-03	0.00E+00	4.96E-03	8.64E-04
8796	499936.9	3734363	4.95E-03	0.00E+00	4.95E-03	8.62E-04
8797	499946.7	3734363	4.93E-03	0.00E+00	4.93E-03	8.59E-04
8798	499956.5	3734363	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8799	499966.3	3734363	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8800	499976.2	3734363	4.87E-03	0.00E+00	4.87E-03	8.49E-04
8801	499986	3734363	4.85E-03	0.00E+00	4.85E-03	8.45E-04
8802	499995.8	3734363	4.82E-03	0.00E+00	4.82E-03	8.40E-04
8803	500005.6	3734363	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8804	500015.5	3734363	4.77E-03	0.00E+00	4.77E-03	8.31E-04
8805	500025.3	3734363	4.74E-03	0.00E+00	4.74E-03	8.26E-04
8806	500035.1	3734363	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8807	500044.9	3734363	4.68E-03	0.00E+00	4.68E-03	8.15E-04
8808	500054.8	3734363	4.64E-03	0.00E+00	4.64E-03	8.09E-04
8809	500064.6	3734363	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8810	500074.4	3734363	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8811	500084.2	3734363	4.54E-03	0.00E+00	4.54E-03	7.91E-04
8812	500094.1	3734363	4.50E-03	0.00E+00	4.50E-03	7.85E-04
8813	500103.9	3734363	4.47E-03	0.00E+00	4.47E-03	7.78E-04
8814	500113.7	3734363	4.43E-03	0.00E+00	4.43E-03	7.71E-04
8815	500123.5	3734363	4.39E-03	0.00E+00	4.39E-03	7.64E-04
8816	500133.4	3734363	4.35E-03	0.00E+00	4.35E-03	7.57E-04
8817	500143.2	3734363	4.31E-03	0.00E+00	4.31E-03	7.50E-04
8818	500153	3734363	4.26E-03	0.00E+00	4.26E-03	7.43E-04
8819	500162.8	3734363	4.22E-03	0.00E+00	4.22E-03	7.36E-04
8820	500172.7	3734363	4.18E-03	0.00E+00	4.18E-03	7.28E-04
8821	500182.5	3734363	4.14E-03	0.00E+00	4.14E-03	7.21E-04
8822	499849.2	3734399	4.74E-03	0.00E+00	4.74E-03	8.26E-04
8823	499840.3	3734395	4.76E-03	0.00E+00	4.76E-03	8.30E-04
8824	499831.3	3734391	4.79E-03	0.00E+00	4.79E-03	8.34E-04
8825	499822.3	3734388	4.81E-03	0.00E+00	4.81E-03	8.38E-04
8826	499813.4	3734384	4.83E-03	0.00E+00	4.83E-03	8.42E-04
8827	499804.4	3734380	4.85E-03	0.00E+00	4.85E-03	8.45E-04
8828	499795.4	3734376	4.86E-03	0.00E+00	4.86E-03	8.48E-04
8829	499786.5	3734373	4.88E-03	0.00E+00	4.88E-03	8.50E-04

8830	499777.5	3734369	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8831	499768.5	3734365	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8832	499759.6	3734361	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8833	499750.6	3734358	4.92E-03	0.00E+00	4.92E-03	8.57E-04
8834	499741.6	3734354	4.92E-03	0.00E+00	4.92E-03	8.58E-04
8835	499732.7	3734350	4.93E-03	0.00E+00	4.93E-03	8.59E-04
8836	499723.7	3734346	4.93E-03	0.00E+00	4.93E-03	8.59E-04
8837	499714.7	3734343	4.93E-03	0.00E+00	4.93E-03	8.58E-04
8838	499705.7	3734339	4.92E-03	0.00E+00	4.92E-03	8.58E-04
8839	499696.8	3734335	4.92E-03	0.00E+00	4.92E-03	8.57E-04
8840	499687.8	3734331	4.91E-03	0.00E+00	4.91E-03	8.56E-04
8841	499678.8	3734328	4.90E-03	0.00E+00	4.90E-03	8.54E-04
8842	499669.9	3734324	4.89E-03	0.00E+00	4.89E-03	8.52E-04
8843	499660.9	3734320	4.88E-03	0.00E+00	4.88E-03	8.49E-04
8844	499651.9	3734316	4.86E-03	0.00E+00	4.86E-03	8.47E-04
8845	499643	3734313	4.84E-03	0.00E+00	4.84E-03	8.44E-04
8846	499634	3734309	4.82E-03	0.00E+00	4.82E-03	8.40E-04
8847	499625	3734305	4.80E-03	0.00E+00	4.80E-03	8.36E-04
8848	499616.1	3734301	4.78E-03	0.00E+00	4.78E-03	8.32E-04
8849	499607.1	3734298	4.75E-03	0.00E+00	4.75E-03	8.27E-04
8850	499598.1	3734294	4.72E-03	0.00E+00	4.72E-03	8.23E-04
8851	499589.2	3734290	4.69E-03	0.00E+00	4.69E-03	8.17E-04
8852	499580.2	3734286	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8853	499571.2	3734283	4.63E-03	0.00E+00	4.63E-03	8.06E-04
8854	499562.3	3734279	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8855	499553.3	3734275	4.56E-03	0.00E+00	4.56E-03	7.94E-04
8856	499544.3	3734271	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8857	499535.4	3734268	4.48E-03	0.00E+00	4.48E-03	7.80E-04
8858	499526.4	3734264	4.44E-03	0.00E+00	4.44E-03	7.73E-04
8859	499517.4	3734260	4.40E-03	0.00E+00	4.40E-03	7.66E-04
8860	499508.5	3734256	4.35E-03	0.00E+00	4.35E-03	7.58E-04
8861	499499.5	3734253	4.31E-03	0.00E+00	4.31E-03	7.50E-04
8862	499490.5	3734249	4.26E-03	0.00E+00	4.26E-03	7.42E-04
8863	499481.6	3734245	4.21E-03	0.00E+00	4.21E-03	7.34E-04
8864	499472.6	3734241	4.17E-03	0.00E+00	4.17E-03	7.26E-04
8865	499463.6	3734238	4.12E-03	0.00E+00	4.12E-03	7.18E-04
8866	499454.7	3734234	4.07E-03	0.00E+00	4.07E-03	7.09E-04
8867	499445.7	3734230	4.02E-03	0.00E+00	4.02E-03	7.00E-04
8868	499436.7	3734226	3.97E-03	0.00E+00	3.97E-03	6.91E-04
8869	499427.8	3734223	3.92E-03	0.00E+00	3.92E-03	6.82E-04
8870	499418.8	3734219	3.87E-03	0.00E+00	3.87E-03	6.73E-04
8871	499409.8	3734215	3.81E-03	0.00E+00	3.81E-03	6.64E-04
8872	499400.9	3734211	3.76E-03	0.00E+00	3.76E-03	6.55E-04
8873	499374	3734200	3.60E-03	0.00E+00	3.60E-03	6.27E-04
8874	499365	3734196	3.55E-03	0.00E+00	3.55E-03	6.18E-04
8875	499356	3734193	3.49E-03	0.00E+00	3.49E-03	6.09E-04
8876	499347	3734189	3.44E-03	0.00E+00	3.44E-03	5.99E-04

8877	499338.1	3734185	3.39E-03	0.00E+00	3.39E-03	5.90E-04
8878	499329.1	3734181	3.33E-03	0.00E+00	3.33E-03	5.81E-04
8879	499320.1	3734177	3.28E-03	0.00E+00	3.28E-03	5.71E-04
8880	499311.2	3734174	3.23E-03	0.00E+00	3.23E-03	5.62E-04
8881	499302.2	3734170	3.17E-03	0.00E+00	3.17E-03	5.53E-04
8882	499293.2	3734166	3.12E-03	0.00E+00	3.12E-03	5.44E-04
8883	499230.1	3734102	2.77E-03	0.00E+00	2.77E-03	4.83E-04
8884	499226.5	3734093	2.75E-03	0.00E+00	2.75E-03	4.79E-04
8885	499222.8	3734084	2.73E-03	0.00E+00	2.73E-03	4.75E-04
8886	499219.2	3734075	2.71E-03	0.00E+00	2.71E-03	4.72E-04
8887	499215.5	3734066	2.69E-03	0.00E+00	2.69E-03	4.68E-04
8888	499211.9	3734057	2.66E-03	0.00E+00	2.66E-03	4.64E-04
8889	499189.9	3734003	2.52E-03	0.00E+00	2.52E-03	4.40E-04
8890	499186.3	3733994	2.50E-03	0.00E+00	2.50E-03	4.35E-04
8891	499182.6	3733985	2.47E-03	0.00E+00	2.47E-03	4.31E-04
8892	499179	3733976	2.45E-03	0.00E+00	2.45E-03	4.27E-04
8893	499175.3	3733967	2.43E-03	0.00E+00	2.43E-03	4.23E-04
8894	499171.7	3733958	2.40E-03	0.00E+00	2.40E-03	4.18E-04
8895	499168	3733949	2.38E-03	0.00E+00	2.38E-03	4.14E-04
8896	499146.1	3733895	2.23E-03	0.00E+00	2.23E-03	3.88E-04
8897	499142.4	3733886	2.20E-03	0.00E+00	2.20E-03	3.83E-04
8898	499138.8	3733877	2.18E-03	0.00E+00	2.18E-03	3.79E-04
8899	499135.1	3733868	2.15E-03	0.00E+00	2.15E-03	3.75E-04
8900	499131.5	3733859	2.13E-03	0.00E+00	2.13E-03	3.70E-04
8901	499065.7	3733697	1.71E-03	0.00E+00	1.71E-03	2.99E-04
8902	499062	3733688	1.69E-03	0.00E+00	1.69E-03	2.95E-04
8903	499058.4	3733679	1.67E-03	0.00E+00	1.67E-03	2.91E-04
8904	499054.7	3733670	1.65E-03	0.00E+00	1.65E-03	2.88E-04
8905	499051.1	3733661	1.63E-03	0.00E+00	1.63E-03	2.85E-04
8906	499047.4	3733652	1.61E-03	0.00E+00	1.61E-03	2.81E-04
8907	499010.9	3733562	1.44E-03	0.00E+00	1.44E-03	2.50E-04
8908	499003.6	3733544	1.40E-03	0.00E+00	1.40E-03	2.45E-04
8909	499858.2	3734403	4.71E-03	0.00E+00	4.71E-03	8.21E-04
8910	499868	3734403	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8911	499877.8	3734403	4.71E-03	0.00E+00	4.71E-03	8.20E-04
8912	499887.7	3734403	4.70E-03	0.00E+00	4.70E-03	8.19E-04
8913	499897.5	3734403	4.69E-03	0.00E+00	4.69E-03	8.18E-04
8914	499907.3	3734403	4.68E-03	0.00E+00	4.68E-03	8.16E-04
8915	499917.1	3734403	4.67E-03	0.00E+00	4.67E-03	8.14E-04
8916	499927	3734403	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8917	499936.8	3734403	4.65E-03	0.00E+00	4.65E-03	8.10E-04
8918	499946.6	3734403	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8919	499956.4	3734403	4.61E-03	0.00E+00	4.61E-03	8.04E-04
8920	499966.3	3734403	4.60E-03	0.00E+00	4.60E-03	8.01E-04
8921	499976.1	3734403	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8922	499985.9	3734403	4.55E-03	0.00E+00	4.55E-03	7.93E-04
8923	499995.7	3734403	4.53E-03	0.00E+00	4.53E-03	7.89E-04

8924	500005.6	3734403	4.51E-03	0.00E+00	4.51E-03	7.85E-04
8925	500015.4	3734403	4.48E-03	0.00E+00	4.48E-03	7.81E-04
8926	500025.2	3734403	4.45E-03	0.00E+00	4.45E-03	7.76E-04
8927	500035	3734403	4.43E-03	0.00E+00	4.43E-03	7.71E-04
8928	500044.9	3734403	4.40E-03	0.00E+00	4.40E-03	7.66E-04
8929	500054.7	3734403	4.37E-03	0.00E+00	4.37E-03	7.61E-04
8930	500064.5	3734403	4.34E-03	0.00E+00	4.34E-03	7.56E-04
8931	500074.3	3734403	4.31E-03	0.00E+00	4.31E-03	7.50E-04
8932	500084.2	3734403	4.27E-03	0.00E+00	4.27E-03	7.44E-04
8933	500094	3734403	4.24E-03	0.00E+00	4.24E-03	7.39E-04
8934	500103.8	3734403	4.21E-03	0.00E+00	4.21E-03	7.33E-04
8935	500113.6	3734403	4.17E-03	0.00E+00	4.17E-03	7.27E-04
8936	500123.5	3734403	4.13E-03	0.00E+00	4.13E-03	7.20E-04
8937	500133.3	3734403	4.10E-03	0.00E+00	4.10E-03	7.14E-04
8938	500143.1	3734403	4.06E-03	0.00E+00	4.06E-03	7.08E-04
8939	500152.9	3734403	4.02E-03	0.00E+00	4.02E-03	7.01E-04
8940	500162.8	3734403	3.99E-03	0.00E+00	3.99E-03	6.94E-04
8941	500172.6	3734403	3.95E-03	0.00E+00	3.95E-03	6.88E-04
8942	500182.4	3734403	3.91E-03	0.00E+00	3.91E-03	6.81E-04
8943	499849.1	3734439	4.47E-03	0.00E+00	4.47E-03	7.79E-04
8944	499840.1	3734435	4.49E-03	0.00E+00	4.49E-03	7.83E-04
8945	499831.2	3734431	4.52E-03	0.00E+00	4.52E-03	7.87E-04
8946	499822.2	3734428	4.54E-03	0.00E+00	4.54E-03	7.91E-04
8947	499813.2	3734424	4.56E-03	0.00E+00	4.56E-03	7.94E-04
8948	499804.2	3734420	4.58E-03	0.00E+00	4.58E-03	7.97E-04
8949	499795.2	3734416	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8950	499786.2	3734413	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8951	499777.2	3734409	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8952	499768.2	3734405	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8953	499759.2	3734401	4.64E-03	0.00E+00	4.64E-03	8.09E-04
8954	499750.3	3734398	4.65E-03	0.00E+00	4.65E-03	8.11E-04
8955	499741.3	3734394	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8956	499732.3	3734390	4.66E-03	0.00E+00	4.66E-03	8.13E-04
8957	499723.3	3734386	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8958	499714.3	3734383	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8959	499705.3	3734379	4.67E-03	0.00E+00	4.67E-03	8.13E-04
8960	499696.3	3734375	4.66E-03	0.00E+00	4.66E-03	8.13E-04
8961	499687.3	3734371	4.66E-03	0.00E+00	4.66E-03	8.12E-04
8962	499678.4	3734367	4.65E-03	0.00E+00	4.65E-03	8.11E-04
8963	499669.4	3734364	4.64E-03	0.00E+00	4.64E-03	8.09E-04
8964	499660.4	3734360	4.63E-03	0.00E+00	4.63E-03	8.07E-04
8965	499651.4	3734356	4.62E-03	0.00E+00	4.62E-03	8.05E-04
8966	499642.4	3734352	4.61E-03	0.00E+00	4.61E-03	8.03E-04
8967	499633.4	3734349	4.59E-03	0.00E+00	4.59E-03	8.00E-04
8968	499624.4	3734345	4.57E-03	0.00E+00	4.57E-03	7.97E-04
8969	499615.4	3734341	4.55E-03	0.00E+00	4.55E-03	7.94E-04
8970	499606.5	3734337	4.53E-03	0.00E+00	4.53E-03	7.90E-04

8971	499597.5	3734334	4.51E-03	0.00E+00	4.51E-03	7.86E-04
8972	499588.5	3734330	4.49E-03	0.00E+00	4.49E-03	7.81E-04
8973	499579.5	3734326	4.46E-03	0.00E+00	4.46E-03	7.77E-04
8974	499570.5	3734322	4.43E-03	0.00E+00	4.43E-03	7.72E-04
8975	499561.5	3734319	4.40E-03	0.00E+00	4.40E-03	7.67E-04
8976	499552.5	3734315	4.37E-03	0.00E+00	4.37E-03	7.61E-04
8977	499543.5	3734311	4.34E-03	0.00E+00	4.34E-03	7.56E-04
8978	499534.5	3734307	4.30E-03	0.00E+00	4.30E-03	7.50E-04
8979	499525.6	3734304	4.27E-03	0.00E+00	4.27E-03	7.44E-04
8980	499516.6	3734300	4.23E-03	0.00E+00	4.23E-03	7.37E-04
8981	499507.6	3734296	4.19E-03	0.00E+00	4.19E-03	7.31E-04
8982	499498.6	3734292	4.15E-03	0.00E+00	4.15E-03	7.24E-04
8983	499489.6	3734288	4.11E-03	0.00E+00	4.11E-03	7.17E-04
8984	499480.6	3734285	4.07E-03	0.00E+00	4.07E-03	7.10E-04
8985	499471.6	3734281	4.03E-03	0.00E+00	4.03E-03	7.02E-04
8986	499462.6	3734277	3.99E-03	0.00E+00	3.99E-03	6.95E-04
8987	499453.7	3734273	3.94E-03	0.00E+00	3.94E-03	6.87E-04
8988	499444.7	3734270	3.90E-03	0.00E+00	3.90E-03	6.79E-04
8989	499435.7	3734266	3.85E-03	0.00E+00	3.85E-03	6.72E-04
8990	499426.7	3734262	3.81E-03	0.00E+00	3.81E-03	6.63E-04
8991	499417.7	3734258	3.76E-03	0.00E+00	3.76E-03	6.55E-04
8992	499408.7	3734255	3.71E-03	0.00E+00	3.71E-03	6.47E-04
8993	499372.8	3734240	3.52E-03	0.00E+00	3.52E-03	6.14E-04
8994	499363.8	3734236	3.47E-03	0.00E+00	3.47E-03	6.05E-04
8995	499354.8	3734232	3.42E-03	0.00E+00	3.42E-03	5.96E-04
8996	499345.8	3734228	3.37E-03	0.00E+00	3.37E-03	5.88E-04
8997	499336.8	3734225	3.32E-03	0.00E+00	3.32E-03	5.79E-04
8998	499327.8	3734221	3.27E-03	0.00E+00	3.27E-03	5.71E-04
8999	499318.8	3734217	3.23E-03	0.00E+00	3.23E-03	5.62E-04
9000	499309.8	3734213	3.18E-03	0.00E+00	3.18E-03	5.53E-04
9001	499300.9	3734209	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9002	499291.9	3734206	3.08E-03	0.00E+00	3.08E-03	5.36E-04
9003	499282.9	3734202	3.03E-03	0.00E+00	3.03E-03	5.28E-04
9004	499273.9	3734198	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9005	499264.9	3734194	2.93E-03	0.00E+00	2.93E-03	5.11E-04
9006	499255.9	3734191	2.89E-03	0.00E+00	2.89E-03	5.03E-04
9007	499246.9	3734187	2.84E-03	0.00E+00	2.84E-03	4.94E-04
9008	499237.9	3734183	2.79E-03	0.00E+00	2.79E-03	4.86E-04
9009	499229	3734179	2.74E-03	0.00E+00	2.74E-03	4.78E-04
9010	499216.3	3734167	2.68E-03	0.00E+00	2.68E-03	4.67E-04
9011	499194.3	3734112	2.57E-03	0.00E+00	2.57E-03	4.48E-04
9012	499190.7	3734103	2.55E-03	0.00E+00	2.55E-03	4.45E-04
9013	499187	3734094	2.53E-03	0.00E+00	2.53E-03	4.41E-04
9014	499183.3	3734085	2.51E-03	0.00E+00	2.51E-03	4.38E-04
9015	499179.7	3734076	2.49E-03	0.00E+00	2.49E-03	4.34E-04
9016	499176	3734067	2.47E-03	0.00E+00	2.47E-03	4.30E-04
9017	499157.7	3734022	2.36E-03	0.00E+00	2.36E-03	4.11E-04

9018	499154	3734013	2.34E-03	0.00E+00	2.34E-03	4.08E-04
9019	499150.4	3734004	2.32E-03	0.00E+00	2.32E-03	4.04E-04
9020	499146.7	3733995	2.29E-03	0.00E+00	2.29E-03	4.00E-04
9021	499143.1	3733986	2.27E-03	0.00E+00	2.27E-03	3.96E-04
9022	499139.4	3733977	2.25E-03	0.00E+00	2.25E-03	3.92E-04
9023	499135.7	3733968	2.22E-03	0.00E+00	2.22E-03	3.88E-04
9024	499113.8	3733914	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9025	499110.1	3733905	2.06E-03	0.00E+00	2.06E-03	3.60E-04
9026	499106.4	3733896	2.04E-03	0.00E+00	2.04E-03	3.56E-04
9027	499102.8	3733887	2.02E-03	0.00E+00	2.02E-03	3.52E-04
9028	499099.1	3733878	2.00E-03	0.00E+00	2.00E-03	3.48E-04
9029	499095.4	3733869	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9030	499091.8	3733860	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9031	499029.5	3733706	1.60E-03	0.00E+00	1.60E-03	2.79E-04
9032	499025.9	3733697	1.58E-03	0.00E+00	1.58E-03	2.75E-04
9033	499022.2	3733688	1.56E-03	0.00E+00	1.56E-03	2.72E-04
9034	499018.5	3733679	1.54E-03	0.00E+00	1.54E-03	2.69E-04
9035	499014.9	3733670	1.53E-03	0.00E+00	1.53E-03	2.66E-04
9036	498978.2	3733580	1.36E-03	0.00E+00	1.36E-03	2.38E-04
9037	498970.9	3733562	1.34E-03	0.00E+00	1.34E-03	2.33E-04
9038	498967.3	3733553	1.32E-03	0.00E+00	1.32E-03	2.30E-04
9039	498963.6	3733544	1.31E-03	0.00E+00	1.31E-03	2.28E-04
9040	499858.1	3734443	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9041	499867.9	3734443	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9042	499877.8	3734443	4.44E-03	0.00E+00	4.44E-03	7.73E-04
9043	499887.6	3734443	4.43E-03	0.00E+00	4.43E-03	7.72E-04
9044	499897.4	3734443	4.42E-03	0.00E+00	4.42E-03	7.70E-04
9045	499907.2	3734443	4.41E-03	0.00E+00	4.41E-03	7.69E-04
9046	499917.1	3734443	4.40E-03	0.00E+00	4.40E-03	7.67E-04
9047	499926.9	3734443	4.39E-03	0.00E+00	4.39E-03	7.65E-04
9048	499936.7	3734443	4.38E-03	0.00E+00	4.38E-03	7.62E-04
9049	499946.5	3734443	4.36E-03	0.00E+00	4.36E-03	7.60E-04
9050	499956.4	3734443	4.34E-03	0.00E+00	4.34E-03	7.57E-04
9051	499966.2	3734443	4.33E-03	0.00E+00	4.33E-03	7.54E-04
9052	499976	3734443	4.31E-03	0.00E+00	4.31E-03	7.51E-04
9053	499985.8	3734443	4.29E-03	0.00E+00	4.29E-03	7.47E-04
9054	499995.7	3734443	4.27E-03	0.00E+00	4.27E-03	7.44E-04
9055	500005.5	3734443	4.24E-03	0.00E+00	4.24E-03	7.40E-04
9056	500015.3	3734443	4.22E-03	0.00E+00	4.22E-03	7.35E-04
9057	500025.1	3734443	4.20E-03	0.00E+00	4.20E-03	7.31E-04
9058	500035	3734443	4.17E-03	0.00E+00	4.17E-03	7.27E-04
9059	500044.8	3734443	4.14E-03	0.00E+00	4.14E-03	7.22E-04
9060	500054.6	3734443	4.12E-03	0.00E+00	4.12E-03	7.17E-04
9061	500064.4	3734443	4.09E-03	0.00E+00	4.09E-03	7.12E-04
9062	500074.3	3734443	4.06E-03	0.00E+00	4.06E-03	7.07E-04
9063	500084.1	3734443	4.03E-03	0.00E+00	4.03E-03	7.02E-04
9064	500093.9	3734443	4.00E-03	0.00E+00	4.00E-03	6.97E-04

9065	500103.7	3734443	3.97E-03	0.00E+00	3.97E-03	6.92E-04
9066	500113.6	3734443	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9067	500123.4	3734443	3.90E-03	0.00E+00	3.90E-03	6.80E-04
9068	500133.2	3734443	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9069	500143	3734443	3.84E-03	0.00E+00	3.84E-03	6.69E-04
9070	500152.8	3734443	3.80E-03	0.00E+00	3.80E-03	6.63E-04
9071	500162.7	3734443	3.77E-03	0.00E+00	3.77E-03	6.57E-04
9072	500172.5	3734443	3.73E-03	0.00E+00	3.73E-03	6.51E-04
9073	500182.3	3734443	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9074	499849.1	3734475	4.25E-03	0.00E+00	4.25E-03	7.40E-04
9075	499840.1	3734471	4.27E-03	0.00E+00	4.27E-03	7.44E-04
9076	499831.1	3734467	4.29E-03	0.00E+00	4.29E-03	7.48E-04
9077	499822.2	3734463	4.31E-03	0.00E+00	4.31E-03	7.52E-04
9078	499813.2	3734460	4.33E-03	0.00E+00	4.33E-03	7.55E-04
9079	499804.3	3734456	4.35E-03	0.00E+00	4.35E-03	7.58E-04
9080	499795.3	3734452	4.37E-03	0.00E+00	4.37E-03	7.61E-04
9081	499786.3	3734448	4.38E-03	0.00E+00	4.38E-03	7.64E-04
9082	499777.4	3734445	4.40E-03	0.00E+00	4.40E-03	7.66E-04
9083	499768.4	3734441	4.41E-03	0.00E+00	4.41E-03	7.68E-04
9084	499759.4	3734437	4.42E-03	0.00E+00	4.42E-03	7.70E-04
9085	499750.5	3734433	4.43E-03	0.00E+00	4.43E-03	7.72E-04
9086	499741.5	3734430	4.44E-03	0.00E+00	4.44E-03	7.73E-04
9087	499732.5	3734426	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9088	499723.6	3734422	4.45E-03	0.00E+00	4.45E-03	7.75E-04
9089	499714.6	3734418	4.45E-03	0.00E+00	4.45E-03	7.76E-04
9090	499705.6	3734415	4.45E-03	0.00E+00	4.45E-03	7.76E-04
9091	499696.7	3734411	4.45E-03	0.00E+00	4.45E-03	7.76E-04
9092	499687.7	3734407	4.45E-03	0.00E+00	4.45E-03	7.75E-04
9093	499678.7	3734403	4.45E-03	0.00E+00	4.45E-03	7.75E-04
9094	499669.8	3734400	4.44E-03	0.00E+00	4.44E-03	7.74E-04
9095	499660.8	3734396	4.43E-03	0.00E+00	4.43E-03	7.72E-04
9096	499651.8	3734392	4.42E-03	0.00E+00	4.42E-03	7.71E-04
9097	499642.9	3734388	4.41E-03	0.00E+00	4.41E-03	7.69E-04
9098	499633.9	3734385	4.40E-03	0.00E+00	4.40E-03	7.67E-04
9099	499624.9	3734381	4.39E-03	0.00E+00	4.39E-03	7.64E-04
9100	499616	3734377	4.37E-03	0.00E+00	4.37E-03	7.61E-04
9101	499607	3734373	4.35E-03	0.00E+00	4.35E-03	7.58E-04
9102	499598	3734370	4.33E-03	0.00E+00	4.33E-03	7.55E-04
9103	499589.1	3734366	4.31E-03	0.00E+00	4.31E-03	7.51E-04
9104	499580.1	3734362	4.29E-03	0.00E+00	4.29E-03	7.48E-04
9105	499571.1	3734358	4.27E-03	0.00E+00	4.27E-03	7.43E-04
9106	499562.2	3734355	4.24E-03	0.00E+00	4.24E-03	7.39E-04
9107	499553.2	3734351	4.22E-03	0.00E+00	4.22E-03	7.34E-04
9108	499544.2	3734347	4.19E-03	0.00E+00	4.19E-03	7.30E-04
9109	499535.3	3734343	4.16E-03	0.00E+00	4.16E-03	7.24E-04
9110	499526.3	3734340	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9111	499517.3	3734336	4.10E-03	0.00E+00	4.10E-03	7.14E-04

9112	499508.4	3734332	4.06E-03	0.00E+00	4.06E-03	7.08E-04
9113	499499.4	3734328	4.03E-03	0.00E+00	4.03E-03	7.02E-04
9114	499490.4	3734325	3.99E-03	0.00E+00	3.99E-03	6.96E-04
9115	499481.5	3734321	3.96E-03	0.00E+00	3.96E-03	6.89E-04
9116	499472.5	3734317	3.92E-03	0.00E+00	3.92E-03	6.83E-04
9117	499463.5	3734313	3.88E-03	0.00E+00	3.88E-03	6.76E-04
9118	499454.6	3734310	3.84E-03	0.00E+00	3.84E-03	6.69E-04
9119	499445.6	3734306	3.80E-03	0.00E+00	3.80E-03	6.62E-04
9120	499436.6	3734302	3.76E-03	0.00E+00	3.76E-03	6.55E-04
9121	499427.7	3734298	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9122	499418.7	3734295	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9123	499409.8	3734291	3.63E-03	0.00E+00	3.63E-03	6.33E-04
9124	499364.9	3734272	3.41E-03	0.00E+00	3.41E-03	5.95E-04
9125	499356	3734268	3.37E-03	0.00E+00	3.37E-03	5.87E-04
9126	499347	3734265	3.32E-03	0.00E+00	3.32E-03	5.79E-04
9127	499338	3734261	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9128	499329.1	3734257	3.23E-03	0.00E+00	3.23E-03	5.63E-04
9129	499320.1	3734253	3.19E-03	0.00E+00	3.19E-03	5.55E-04
9130	499311.1	3734249	3.14E-03	0.00E+00	3.14E-03	5.47E-04
9131	499302.2	3734246	3.10E-03	0.00E+00	3.10E-03	5.39E-04
9132	499293.2	3734242	3.05E-03	0.00E+00	3.05E-03	5.31E-04
9133	499284.2	3734238	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9134	499275.3	3734234	2.96E-03	0.00E+00	2.96E-03	5.16E-04
9135	499266.3	3734231	2.91E-03	0.00E+00	2.91E-03	5.08E-04
9136	499257.3	3734227	2.87E-03	0.00E+00	2.87E-03	5.00E-04
9137	499248.4	3734223	2.82E-03	0.00E+00	2.82E-03	4.92E-04
9138	499239.4	3734219	2.78E-03	0.00E+00	2.78E-03	4.84E-04
9139	499230.4	3734216	2.74E-03	0.00E+00	2.74E-03	4.77E-04
9140	499221.5	3734212	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9141	499212.5	3734208	2.65E-03	0.00E+00	2.65E-03	4.61E-04
9142	499203.5	3734204	2.60E-03	0.00E+00	2.60E-03	4.54E-04
9143	499190.9	3734192	2.55E-03	0.00E+00	2.55E-03	4.44E-04
9144	499154.4	3734102	2.37E-03	0.00E+00	2.37E-03	4.13E-04
9145	499150.7	3734093	2.35E-03	0.00E+00	2.35E-03	4.10E-04
9146	499147.1	3734084	2.33E-03	0.00E+00	2.33E-03	4.06E-04
9147	499128.8	3734039	2.23E-03	0.00E+00	2.23E-03	3.88E-04
9148	499125.2	3734030	2.21E-03	0.00E+00	2.21E-03	3.85E-04
9149	499121.5	3734021	2.19E-03	0.00E+00	2.19E-03	3.81E-04
9150	499117.8	3734012	2.17E-03	0.00E+00	2.17E-03	3.77E-04
9151	499114.2	3734003	2.15E-03	0.00E+00	2.15E-03	3.74E-04
9152	499110.5	3733994	2.12E-03	0.00E+00	2.12E-03	3.70E-04
9153	499106.9	3733985	2.10E-03	0.00E+00	2.10E-03	3.66E-04
9154	499085	3733930	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9155	499081.3	3733921	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9156	499077.7	3733912	1.93E-03	0.00E+00	1.93E-03	3.37E-04
9157	499074	3733903	1.91E-03	0.00E+00	1.91E-03	3.33E-04
9158	499070.4	3733894	1.89E-03	0.00E+00	1.89E-03	3.29E-04

9159	499008.2	3733741	1.56E-03	0.00E+00	1.56E-03	2.72E-04
9160	499004.6	3733732	1.54E-03	0.00E+00	1.54E-03	2.69E-04
9161	499000.9	3733723	1.53E-03	0.00E+00	1.53E-03	2.66E-04
9162	498997.3	3733714	1.51E-03	0.00E+00	1.51E-03	2.63E-04
9163	498993.6	3733705	1.49E-03	0.00E+00	1.49E-03	2.60E-04
9164	498990	3733696	1.48E-03	0.00E+00	1.48E-03	2.57E-04
9165	498986.3	3733687	1.46E-03	0.00E+00	1.46E-03	2.54E-04
9166	498982.7	3733678	1.44E-03	0.00E+00	1.44E-03	2.51E-04
9167	498979	3733669	1.43E-03	0.00E+00	1.43E-03	2.49E-04
9168	498942.5	3733579	1.28E-03	0.00E+00	1.28E-03	2.23E-04
9169	498935.2	3733561	1.25E-03	0.00E+00	1.25E-03	2.19E-04
9170	498931.5	3733552	1.24E-03	0.00E+00	1.24E-03	2.16E-04
9171	498927.9	3733543	1.23E-03	0.00E+00	1.23E-03	2.14E-04
9172	499858	3734478	4.22E-03	0.00E+00	4.22E-03	7.36E-04
9173	499867.9	3734478	4.22E-03	0.00E+00	4.22E-03	7.35E-04
9174	499877.7	3734478	4.21E-03	0.00E+00	4.21E-03	7.34E-04
9175	499887.5	3734479	4.21E-03	0.00E+00	4.21E-03	7.33E-04
9176	499897.3	3734479	4.20E-03	0.00E+00	4.20E-03	7.32E-04
9177	499907.2	3734479	4.19E-03	0.00E+00	4.19E-03	7.30E-04
9178	499917	3734479	4.18E-03	0.00E+00	4.18E-03	7.28E-04
9179	499926.8	3734479	4.17E-03	0.00E+00	4.17E-03	7.26E-04
9180	499936.6	3734479	4.15E-03	0.00E+00	4.15E-03	7.24E-04
9181	499946.5	3734479	4.14E-03	0.00E+00	4.14E-03	7.21E-04
9182	499956.3	3734479	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9183	499966.1	3734479	4.11E-03	0.00E+00	4.11E-03	7.16E-04
9184	499975.9	3734479	4.09E-03	0.00E+00	4.09E-03	7.13E-04
9185	499985.8	3734479	4.07E-03	0.00E+00	4.07E-03	7.10E-04
9186	499995.6	3734479	4.05E-03	0.00E+00	4.05E-03	7.06E-04
9187	500005.4	3734479	4.03E-03	0.00E+00	4.03E-03	7.02E-04
9188	500015.2	3734479	4.01E-03	0.00E+00	4.01E-03	6.98E-04
9189	500025.1	3734479	3.99E-03	0.00E+00	3.99E-03	6.95E-04
9190	500034.9	3734479	3.96E-03	0.00E+00	3.96E-03	6.90E-04
9191	500044.7	3734479	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9192	500054.5	3734479	3.91E-03	0.00E+00	3.91E-03	6.82E-04
9193	500064.4	3734479	3.89E-03	0.00E+00	3.89E-03	6.77E-04
9194	500074.2	3734479	3.86E-03	0.00E+00	3.86E-03	6.73E-04
9195	500084	3734479	3.83E-03	0.00E+00	3.83E-03	6.68E-04
9196	500093.8	3734479	3.80E-03	0.00E+00	3.80E-03	6.63E-04
9197	500103.7	3734479	3.78E-03	0.00E+00	3.78E-03	6.58E-04
9198	500113.5	3734479	3.75E-03	0.00E+00	3.75E-03	6.53E-04
9199	500123.3	3734479	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9200	500133.1	3734479	3.69E-03	0.00E+00	3.69E-03	6.42E-04
9201	500143	3734479	3.66E-03	0.00E+00	3.66E-03	6.37E-04
9202	500152.8	3734479	3.62E-03	0.00E+00	3.62E-03	6.32E-04
9203	500162.6	3734479	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9204	500172.4	3734479	3.56E-03	0.00E+00	3.56E-03	6.20E-04
9205	500182.3	3734479	3.53E-03	0.00E+00	3.53E-03	6.15E-04

9206	499849	3734510	4.04E-03	0.00E+00	4.04E-03	7.05E-04
9207	499840.1	3734507	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9208	499831.1	3734503	4.09E-03	0.00E+00	4.09E-03	7.12E-04
9209	499822.2	3734499	4.11E-03	0.00E+00	4.11E-03	7.16E-04
9210	499813.2	3734495	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9211	499804.3	3734492	4.14E-03	0.00E+00	4.14E-03	7.22E-04
9212	499795.4	3734488	4.16E-03	0.00E+00	4.16E-03	7.25E-04
9213	499786.4	3734484	4.18E-03	0.00E+00	4.18E-03	7.28E-04
9214	499777.5	3734480	4.19E-03	0.00E+00	4.19E-03	7.30E-04
9215	499768.5	3734477	4.20E-03	0.00E+00	4.20E-03	7.32E-04
9216	499759.6	3734473	4.21E-03	0.00E+00	4.21E-03	7.34E-04
9217	499750.6	3734469	4.22E-03	0.00E+00	4.22E-03	7.36E-04
9218	499741.7	3734465	4.23E-03	0.00E+00	4.23E-03	7.38E-04
9219	499732.7	3734462	4.24E-03	0.00E+00	4.24E-03	7.39E-04
9220	499723.8	3734458	4.25E-03	0.00E+00	4.25E-03	7.40E-04
9221	499714.8	3734454	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9222	499705.9	3734451	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9223	499697	3734447	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9224	499688	3734443	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9225	499679.1	3734439	4.25E-03	0.00E+00	4.25E-03	7.41E-04
9226	499670.1	3734436	4.25E-03	0.00E+00	4.25E-03	7.40E-04
9227	499661.2	3734432	4.24E-03	0.00E+00	4.24E-03	7.39E-04
9228	499652.2	3734428	4.24E-03	0.00E+00	4.24E-03	7.38E-04
9229	499643.3	3734424	4.23E-03	0.00E+00	4.23E-03	7.37E-04
9230	499634.3	3734421	4.22E-03	0.00E+00	4.22E-03	7.35E-04
9231	499625.4	3734417	4.21E-03	0.00E+00	4.21E-03	7.33E-04
9232	499616.4	3734413	4.19E-03	0.00E+00	4.19E-03	7.31E-04
9233	499607.5	3734409	4.18E-03	0.00E+00	4.18E-03	7.28E-04
9234	499598.6	3734406	4.16E-03	0.00E+00	4.16E-03	7.26E-04
9235	499589.6	3734402	4.15E-03	0.00E+00	4.15E-03	7.23E-04
9236	499580.7	3734398	4.13E-03	0.00E+00	4.13E-03	7.19E-04
9237	499571.7	3734394	4.11E-03	0.00E+00	4.11E-03	7.16E-04
9238	499562.8	3734391	4.09E-03	0.00E+00	4.09E-03	7.12E-04
9239	499553.8	3734387	4.07E-03	0.00E+00	4.07E-03	7.08E-04
9240	499544.9	3734383	4.04E-03	0.00E+00	4.04E-03	7.04E-04
9241	499535.9	3734379	4.02E-03	0.00E+00	4.02E-03	7.00E-04
9242	499527	3734376	3.99E-03	0.00E+00	3.99E-03	6.95E-04
9243	499518	3734372	3.96E-03	0.00E+00	3.96E-03	6.90E-04
9244	499509.1	3734368	3.93E-03	0.00E+00	3.93E-03	6.85E-04
9245	499500.2	3734364	3.90E-03	0.00E+00	3.90E-03	6.80E-04
9246	499491.2	3734361	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9247	499482.3	3734357	3.84E-03	0.00E+00	3.84E-03	6.69E-04
9248	499473.3	3734353	3.81E-03	0.00E+00	3.81E-03	6.63E-04
9249	499464.4	3734349	3.77E-03	0.00E+00	3.77E-03	6.57E-04
9250	499455.4	3734346	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9251	499446.5	3734342	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9252	499437.5	3734338	3.67E-03	0.00E+00	3.67E-03	6.39E-04

9253	499428.6	3734334	3.63E-03	0.00E+00	3.63E-03	6.32E-04
9254	499419.6	3734331	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9255	499410.7	3734327	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9256	499366	3734308	3.35E-03	0.00E+00	3.35E-03	5.84E-04
9257	499357	3734304	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9258	499348.1	3734301	3.27E-03	0.00E+00	3.27E-03	5.70E-04
9259	499339.1	3734297	3.23E-03	0.00E+00	3.23E-03	5.62E-04
9260	499330.2	3734293	3.19E-03	0.00E+00	3.19E-03	5.55E-04
9261	499321.2	3734289	3.14E-03	0.00E+00	3.14E-03	5.48E-04
9262	499312.3	3734286	3.10E-03	0.00E+00	3.10E-03	5.40E-04
9263	499303.4	3734282	3.06E-03	0.00E+00	3.06E-03	5.33E-04
9264	499294.4	3734278	3.02E-03	0.00E+00	3.02E-03	5.25E-04
9265	499285.5	3734274	2.97E-03	0.00E+00	2.97E-03	5.18E-04
9266	499276.5	3734271	2.93E-03	0.00E+00	2.93E-03	5.11E-04
9267	499267.6	3734267	2.89E-03	0.00E+00	2.89E-03	5.03E-04
9268	499258.6	3734263	2.85E-03	0.00E+00	2.85E-03	4.96E-04
9269	499249.7	3734260	2.80E-03	0.00E+00	2.80E-03	4.89E-04
9270	499240.7	3734256	2.76E-03	0.00E+00	2.76E-03	4.81E-04
9271	499231.8	3734252	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9272	499222.8	3734248	2.68E-03	0.00E+00	2.68E-03	4.67E-04
9273	499213.9	3734245	2.64E-03	0.00E+00	2.64E-03	4.60E-04
9274	499205	3734241	2.60E-03	0.00E+00	2.60E-03	4.53E-04
9275	499196	3734237	2.56E-03	0.00E+00	2.56E-03	4.45E-04
9276	499187.1	3734233	2.52E-03	0.00E+00	2.52E-03	4.38E-04
9277	499178.1	3734230	2.48E-03	0.00E+00	2.48E-03	4.31E-04
9278	499165.5	3734217	2.42E-03	0.00E+00	2.42E-03	4.22E-04
9279	499140	3734154	2.31E-03	0.00E+00	2.31E-03	4.03E-04
9280	499118.1	3734100	2.20E-03	0.00E+00	2.20E-03	3.84E-04
9281	499099.9	3734055	2.11E-03	0.00E+00	2.11E-03	3.67E-04
9282	499096.3	3734046	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9283	499092.6	3734037	2.07E-03	0.00E+00	2.07E-03	3.61E-04
9284	499089	3734028	2.05E-03	0.00E+00	2.05E-03	3.57E-04
9285	499085.3	3734019	2.03E-03	0.00E+00	2.03E-03	3.54E-04
9286	499081.7	3734010	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9287	499063.5	3733965	1.91E-03	0.00E+00	1.91E-03	3.33E-04
9288	499059.8	3733956	1.89E-03	0.00E+00	1.89E-03	3.30E-04
9289	499056.2	3733947	1.87E-03	0.00E+00	1.87E-03	3.26E-04
9290	499052.5	3733938	1.85E-03	0.00E+00	1.85E-03	3.23E-04
9291	499048.9	3733929	1.83E-03	0.00E+00	1.83E-03	3.19E-04
9292	499045.2	3733920	1.81E-03	0.00E+00	1.81E-03	3.16E-04
9293	499041.6	3733911	1.79E-03	0.00E+00	1.79E-03	3.13E-04
9294	498972.3	3733741	1.46E-03	0.00E+00	1.46E-03	2.54E-04
9295	498968.7	3733732	1.44E-03	0.00E+00	1.44E-03	2.51E-04
9296	498965.1	3733723	1.43E-03	0.00E+00	1.43E-03	2.48E-04
9297	498961.4	3733714	1.41E-03	0.00E+00	1.41E-03	2.46E-04
9298	498957.8	3733705	1.40E-03	0.00E+00	1.40E-03	2.43E-04
9299	498954.1	3733696	1.38E-03	0.00E+00	1.38E-03	2.40E-04

9300	498950.5	3733687	1.37E-03	0.00E+00	1.37E-03	2.38E-04
9301	498946.8	3733678	1.35E-03	0.00E+00	1.35E-03	2.35E-04
9302	498943.2	3733669	1.34E-03	0.00E+00	1.34E-03	2.33E-04
9303	498906.7	3733579	1.21E-03	0.00E+00	1.21E-03	2.10E-04
9304	498899.4	3733561	1.18E-03	0.00E+00	1.18E-03	2.06E-04
9305	498895.8	3733552	1.17E-03	0.00E+00	1.17E-03	2.04E-04
9306	498892.2	3733543	1.16E-03	0.00E+00	1.16E-03	2.02E-04
9307	499858	3734514	4.02E-03	0.00E+00	4.02E-03	7.01E-04
9308	499867.8	3734514	4.02E-03	0.00E+00	4.02E-03	7.00E-04
9309	499877.6	3734514	4.01E-03	0.00E+00	4.01E-03	6.99E-04
9310	499887.4	3734514	4.00E-03	0.00E+00	4.00E-03	6.98E-04
9311	499897.3	3734514	4.00E-03	0.00E+00	4.00E-03	6.96E-04
9312	499907.1	3734514	3.99E-03	0.00E+00	3.99E-03	6.95E-04
9313	499916.9	3734514	3.98E-03	0.00E+00	3.98E-03	6.93E-04
9314	499926.7	3734514	3.96E-03	0.00E+00	3.96E-03	6.91E-04
9315	499936.6	3734514	3.95E-03	0.00E+00	3.95E-03	6.89E-04
9316	499946.4	3734514	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9317	499956.2	3734514	3.92E-03	0.00E+00	3.92E-03	6.84E-04
9318	499966	3734514	3.91E-03	0.00E+00	3.91E-03	6.81E-04
9319	499975.9	3734514	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9320	499985.7	3734514	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9321	499995.5	3734514	3.85E-03	0.00E+00	3.85E-03	6.72E-04
9322	500005.3	3734514	3.83E-03	0.00E+00	3.83E-03	6.68E-04
9323	500015.2	3734514	3.81E-03	0.00E+00	3.81E-03	6.64E-04
9324	500025	3734515	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9325	500034.8	3734515	3.77E-03	0.00E+00	3.77E-03	6.57E-04
9326	500044.6	3734515	3.75E-03	0.00E+00	3.75E-03	6.53E-04
9327	500054.5	3734515	3.72E-03	0.00E+00	3.72E-03	6.49E-04
9328	500064.3	3734515	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9329	500074.1	3734515	3.68E-03	0.00E+00	3.68E-03	6.40E-04
9330	500083.9	3734515	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9331	500093.8	3734515	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9332	500103.6	3734515	3.60E-03	0.00E+00	3.60E-03	6.27E-04
9333	500113.4	3734515	3.57E-03	0.00E+00	3.57E-03	6.22E-04
9334	500123.2	3734515	3.54E-03	0.00E+00	3.54E-03	6.17E-04
9335	500133.1	3734515	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9336	500142.9	3734515	3.49E-03	0.00E+00	3.49E-03	6.08E-04
9337	500152.7	3734515	3.46E-03	0.00E+00	3.46E-03	6.03E-04
9338	500162.5	3734515	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9339	500172.4	3734515	3.40E-03	0.00E+00	3.40E-03	5.92E-04
9340	500182.2	3734515	3.37E-03	0.00E+00	3.37E-03	5.87E-04
9341	499830.8	3734539	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9342	499821.7	3734535	3.92E-03	0.00E+00	3.92E-03	6.83E-04
9343	499812.7	3734531	3.94E-03	0.00E+00	3.94E-03	6.86E-04
9344	499803.7	3734527	3.95E-03	0.00E+00	3.95E-03	6.89E-04
9345	499794.6	3734523	3.97E-03	0.00E+00	3.97E-03	6.92E-04
9346	499785.6	3734520	3.99E-03	0.00E+00	3.99E-03	6.94E-04

9347	499776.5	3734516	4.00E-03	0.00E+00	4.00E-03	6.97E-04
9348	499767.5	3734512	4.01E-03	0.00E+00	4.01E-03	6.99E-04
9349	499758.5	3734508	4.02E-03	0.00E+00	4.02E-03	7.01E-04
9350	499749.4	3734504	4.03E-03	0.00E+00	4.03E-03	7.03E-04
9351	499740.4	3734501	4.04E-03	0.00E+00	4.04E-03	7.05E-04
9352	499731.4	3734497	4.05E-03	0.00E+00	4.05E-03	7.06E-04
9353	499722.3	3734493	4.06E-03	0.00E+00	4.06E-03	7.07E-04
9354	499713.3	3734489	4.06E-03	0.00E+00	4.06E-03	7.08E-04
9355	499704.2	3734486	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9356	499695.2	3734482	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9357	499686.2	3734478	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9358	499677.1	3734474	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9359	499668.1	3734470	4.07E-03	0.00E+00	4.07E-03	7.09E-04
9360	499659	3734467	4.06E-03	0.00E+00	4.06E-03	7.08E-04
9361	499650	3734463	4.06E-03	0.00E+00	4.06E-03	7.07E-04
9362	499641	3734459	4.05E-03	0.00E+00	4.05E-03	7.06E-04
9363	499631.9	3734455	4.04E-03	0.00E+00	4.04E-03	7.05E-04
9364	499622.9	3734451	4.04E-03	0.00E+00	4.04E-03	7.03E-04
9365	499613.8	3734448	4.02E-03	0.00E+00	4.02E-03	7.01E-04
9366	499604.8	3734444	4.01E-03	0.00E+00	4.01E-03	6.99E-04
9367	499595.8	3734440	4.00E-03	0.00E+00	4.00E-03	6.97E-04
9368	499586.7	3734436	3.98E-03	0.00E+00	3.98E-03	6.94E-04
9369	499577.7	3734433	3.97E-03	0.00E+00	3.97E-03	6.91E-04
9370	499568.6	3734429	3.95E-03	0.00E+00	3.95E-03	6.88E-04
9371	499559.6	3734425	3.93E-03	0.00E+00	3.93E-03	6.85E-04
9372	499550.6	3734421	3.91E-03	0.00E+00	3.91E-03	6.82E-04
9373	499541.5	3734417	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9374	499532.5	3734414	3.87E-03	0.00E+00	3.87E-03	6.74E-04
9375	499523.4	3734410	3.84E-03	0.00E+00	3.84E-03	6.70E-04
9376	499514.4	3734406	3.82E-03	0.00E+00	3.82E-03	6.66E-04
9377	499505.4	3734402	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9378	499496.3	3734399	3.77E-03	0.00E+00	3.77E-03	6.56E-04
9379	499487.3	3734395	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9380	499478.2	3734391	3.71E-03	0.00E+00	3.71E-03	6.46E-04
9381	499469.2	3734387	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9382	499460.2	3734383	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9383	499451.1	3734380	3.62E-03	0.00E+00	3.62E-03	6.30E-04
9384	499442.1	3734376	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9385	499433	3734372	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9386	499424	3734368	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9387	499415	3734364	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9388	499369.8	3734346	3.30E-03	0.00E+00	3.30E-03	5.75E-04
9389	499360.7	3734342	3.26E-03	0.00E+00	3.26E-03	5.68E-04
9390	499351.7	3734338	3.22E-03	0.00E+00	3.22E-03	5.61E-04
9391	499342.7	3734334	3.18E-03	0.00E+00	3.18E-03	5.55E-04
9392	499333.6	3734330	3.14E-03	0.00E+00	3.14E-03	5.48E-04
9393	499324.6	3734327	3.11E-03	0.00E+00	3.11E-03	5.41E-04

9394	499315.5	3734323	3.07E-03	0.00E+00	3.07E-03	5.34E-04
9395	499306.5	3734319	3.03E-03	0.00E+00	3.03E-03	5.27E-04
9396	499297.5	3734315	2.99E-03	0.00E+00	2.99E-03	5.20E-04
9397	499288.4	3734311	2.95E-03	0.00E+00	2.95E-03	5.13E-04
9398	499279.4	3734308	2.91E-03	0.00E+00	2.91E-03	5.06E-04
9399	499270.3	3734304	2.87E-03	0.00E+00	2.87E-03	4.99E-04
9400	499261.3	3734300	2.83E-03	0.00E+00	2.83E-03	4.92E-04
9401	499252.3	3734296	2.79E-03	0.00E+00	2.79E-03	4.85E-04
9402	499243.2	3734293	2.75E-03	0.00E+00	2.75E-03	4.78E-04
9403	499234.2	3734289	2.71E-03	0.00E+00	2.71E-03	4.72E-04
9404	499225.1	3734285	2.67E-03	0.00E+00	2.67E-03	4.65E-04
9405	499216.1	3734281	2.63E-03	0.00E+00	2.63E-03	4.58E-04
9406	499207.1	3734277	2.59E-03	0.00E+00	2.59E-03	4.51E-04
9407	499198	3734274	2.55E-03	0.00E+00	2.55E-03	4.44E-04
9408	499189	3734270	2.51E-03	0.00E+00	2.51E-03	4.37E-04
9409	499179.9	3734266	2.47E-03	0.00E+00	2.47E-03	4.31E-04
9410	499170.9	3734262	2.43E-03	0.00E+00	2.43E-03	4.24E-04
9411	499161.9	3734258	2.40E-03	0.00E+00	2.40E-03	4.17E-04
9412	499152.8	3734255	2.36E-03	0.00E+00	2.36E-03	4.11E-04
9413	499140.1	3734242	2.31E-03	0.00E+00	2.31E-03	4.02E-04
9414	499136.4	3734233	2.29E-03	0.00E+00	2.29E-03	3.99E-04
9415	499132.7	3734224	2.28E-03	0.00E+00	2.28E-03	3.97E-04
9416	499129	3734215	2.26E-03	0.00E+00	2.26E-03	3.94E-04
9417	499125.4	3734206	2.25E-03	0.00E+00	2.25E-03	3.92E-04
9418	499121.7	3734196	2.23E-03	0.00E+00	2.23E-03	3.89E-04
9419	499118	3734187	2.22E-03	0.00E+00	2.22E-03	3.86E-04
9420	499114.3	3734178	2.20E-03	0.00E+00	2.20E-03	3.84E-04
9421	499110.6	3734169	2.19E-03	0.00E+00	2.19E-03	3.81E-04
9422	499106.9	3734160	2.17E-03	0.00E+00	2.17E-03	3.78E-04
9423	499103.3	3734151	2.15E-03	0.00E+00	2.15E-03	3.75E-04
9424	499099.6	3734142	2.13E-03	0.00E+00	2.13E-03	3.72E-04
9425	499073.8	3734078	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9426	499070.1	3734069	1.99E-03	0.00E+00	1.99E-03	3.47E-04
9427	499066.4	3734060	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9428	499062.7	3734051	1.96E-03	0.00E+00	1.96E-03	3.41E-04
9429	499059.1	3734042	1.94E-03	0.00E+00	1.94E-03	3.38E-04
9430	499055.4	3734033	1.92E-03	0.00E+00	1.92E-03	3.34E-04
9431	499033.3	3733978	1.81E-03	0.00E+00	1.81E-03	3.15E-04
9432	499029.6	3733969	1.79E-03	0.00E+00	1.79E-03	3.12E-04
9433	499025.9	3733960	1.77E-03	0.00E+00	1.77E-03	3.08E-04
9434	499022.2	3733951	1.75E-03	0.00E+00	1.75E-03	3.05E-04
9435	499018.5	3733942	1.73E-03	0.00E+00	1.73E-03	3.02E-04
9436	499014.9	3733933	1.72E-03	0.00E+00	1.72E-03	2.99E-04
9437	499011.2	3733924	1.70E-03	0.00E+00	1.70E-03	2.96E-04
9438	498937.5	3733742	1.37E-03	0.00E+00	1.37E-03	2.38E-04
9439	498933.8	3733733	1.35E-03	0.00E+00	1.35E-03	2.36E-04
9440	498930.1	3733724	1.34E-03	0.00E+00	1.34E-03	2.33E-04

9441	498926.5	3733715	1.33E-03	0.00E+00	1.33E-03	2.31E-04
9442	498922.8	3733706	1.31E-03	0.00E+00	1.31E-03	2.29E-04
9443	498919.1	3733697	1.30E-03	0.00E+00	1.30E-03	2.26E-04
9444	498915.4	3733688	1.28E-03	0.00E+00	1.28E-03	2.24E-04
9445	498911.7	3733679	1.27E-03	0.00E+00	1.27E-03	2.22E-04
9446	498908	3733670	1.26E-03	0.00E+00	1.26E-03	2.19E-04
9447	498871.2	3733579	1.14E-03	0.00E+00	1.14E-03	1.98E-04
9448	498863.8	3733561	1.12E-03	0.00E+00	1.12E-03	1.94E-04
9449	498860.2	3733552	1.11E-03	0.00E+00	1.11E-03	1.93E-04
9450	498856.5	3733543	1.09E-03	0.00E+00	1.09E-03	1.91E-04
9451	499848.8	3734582	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9452	499839.8	3734578	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9453	499830.8	3734574	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9454	499821.8	3734570	3.74E-03	0.00E+00	3.74E-03	6.52E-04
9455	499812.7	3734567	3.76E-03	0.00E+00	3.76E-03	6.55E-04
9456	499803.7	3734563	3.77E-03	0.00E+00	3.77E-03	6.58E-04
9457	499794.7	3734559	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9458	499740.6	3734537	3.87E-03	0.00E+00	3.87E-03	6.73E-04
9459	499731.6	3734533	3.87E-03	0.00E+00	3.87E-03	6.75E-04
9460	499722.6	3734529	3.88E-03	0.00E+00	3.88E-03	6.76E-04
9461	499713.6	3734525	3.89E-03	0.00E+00	3.89E-03	6.77E-04
9462	499704.5	3734521	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9463	499695.5	3734518	3.89E-03	0.00E+00	3.89E-03	6.79E-04
9464	499686.5	3734514	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9465	499677.5	3734510	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9466	499668.5	3734506	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9467	499659.4	3734503	3.90E-03	0.00E+00	3.90E-03	6.79E-04
9468	499650.4	3734499	3.89E-03	0.00E+00	3.89E-03	6.78E-04
9469	499641.4	3734495	3.89E-03	0.00E+00	3.89E-03	6.77E-04
9470	499632.4	3734491	3.88E-03	0.00E+00	3.88E-03	6.76E-04
9471	499623.4	3734487	3.88E-03	0.00E+00	3.88E-03	6.75E-04
9472	499614.4	3734484	3.87E-03	0.00E+00	3.87E-03	6.74E-04
9473	499605.3	3734480	3.86E-03	0.00E+00	3.86E-03	6.72E-04
9474	499596.3	3734476	3.85E-03	0.00E+00	3.85E-03	6.70E-04
9475	499587.3	3734472	3.83E-03	0.00E+00	3.83E-03	6.68E-04
9476	499578.3	3734469	3.82E-03	0.00E+00	3.82E-03	6.66E-04
9477	499569.3	3734465	3.81E-03	0.00E+00	3.81E-03	6.63E-04
9478	499560.3	3734461	3.79E-03	0.00E+00	3.79E-03	6.61E-04
9479	499551.2	3734457	3.77E-03	0.00E+00	3.77E-03	6.58E-04
9480	499542.2	3734453	3.76E-03	0.00E+00	3.76E-03	6.54E-04
9481	499533.2	3734450	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9482	499524.2	3734446	3.72E-03	0.00E+00	3.72E-03	6.47E-04
9483	499515.2	3734442	3.69E-03	0.00E+00	3.69E-03	6.44E-04
9484	499506.1	3734438	3.67E-03	0.00E+00	3.67E-03	6.40E-04
9485	499497.1	3734435	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9486	499488.1	3734431	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9487	499370.9	3734382	3.23E-03	0.00E+00	3.23E-03	5.63E-04

9488	499361.9	3734378	3.20E-03	0.00E+00	3.20E-03	5.57E-04
9489	499352.8	3734374	3.16E-03	0.00E+00	3.16E-03	5.51E-04
9490	499343.8	3734370	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9491	499334.8	3734367	3.09E-03	0.00E+00	3.09E-03	5.38E-04
9492	499325.8	3734363	3.05E-03	0.00E+00	3.05E-03	5.32E-04
9493	499316.8	3734359	3.02E-03	0.00E+00	3.02E-03	5.26E-04
9494	499307.8	3734355	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9495	499298.7	3734352	2.94E-03	0.00E+00	2.94E-03	5.13E-04
9496	499289.7	3734348	2.91E-03	0.00E+00	2.91E-03	5.06E-04
9497	499280.7	3734344	2.87E-03	0.00E+00	2.87E-03	5.00E-04
9498	499271.7	3734340	2.83E-03	0.00E+00	2.83E-03	4.94E-04
9499	499262.7	3734336	2.80E-03	0.00E+00	2.80E-03	4.87E-04
9500	499253.7	3734333	2.76E-03	0.00E+00	2.76E-03	4.81E-04
9501	499244.6	3734329	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9502	499235.6	3734325	2.68E-03	0.00E+00	2.68E-03	4.68E-04
9503	499226.6	3734321	2.65E-03	0.00E+00	2.65E-03	4.61E-04
9504	499217.6	3734318	2.61E-03	0.00E+00	2.61E-03	4.55E-04
9505	499208.6	3734314	2.57E-03	0.00E+00	2.57E-03	4.48E-04
9506	499199.5	3734310	2.54E-03	0.00E+00	2.54E-03	4.42E-04
9507	499190.5	3734306	2.50E-03	0.00E+00	2.50E-03	4.35E-04
9508	499181.5	3734302	2.46E-03	0.00E+00	2.46E-03	4.29E-04
9509	499172.5	3734299	2.43E-03	0.00E+00	2.43E-03	4.23E-04
9510	499163.5	3734295	2.39E-03	0.00E+00	2.39E-03	4.16E-04
9511	499154.5	3734291	2.35E-03	0.00E+00	2.35E-03	4.10E-04
9512	499145.4	3734287	2.32E-03	0.00E+00	2.32E-03	4.04E-04
9513	499136.4	3734284	2.28E-03	0.00E+00	2.28E-03	3.98E-04
9514	499127.4	3734280	2.25E-03	0.00E+00	2.25E-03	3.92E-04
9515	499114.7	3734267	2.20E-03	0.00E+00	2.20E-03	3.83E-04
9516	499111	3734258	2.19E-03	0.00E+00	2.19E-03	3.81E-04
9517	499107.4	3734249	2.17E-03	0.00E+00	2.17E-03	3.79E-04
9518	499103.7	3734240	2.16E-03	0.00E+00	2.16E-03	3.76E-04
9519	499100	3734231	2.15E-03	0.00E+00	2.15E-03	3.74E-04
9520	499096.3	3734222	2.13E-03	0.00E+00	2.13E-03	3.71E-04
9521	499092.7	3734213	2.12E-03	0.00E+00	2.12E-03	3.69E-04
9522	499089	3734204	2.10E-03	0.00E+00	2.10E-03	3.66E-04
9523	499085.3	3734195	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9524	499081.6	3734185	2.07E-03	0.00E+00	2.07E-03	3.61E-04
9525	499078	3734176	2.06E-03	0.00E+00	2.06E-03	3.58E-04
9526	499074.3	3734167	2.04E-03	0.00E+00	2.04E-03	3.55E-04
9527	499070.6	3734158	2.02E-03	0.00E+00	2.02E-03	3.53E-04
9528	499066.9	3734149	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9529	499063.3	3734140	1.99E-03	0.00E+00	1.99E-03	3.47E-04
9530	499059.6	3734131	1.98E-03	0.00E+00	1.98E-03	3.44E-04
9531	499037.5	3734077	1.87E-03	0.00E+00	1.87E-03	3.26E-04
9532	499033.9	3734068	1.86E-03	0.00E+00	1.86E-03	3.23E-04
9533	499030.2	3734059	1.84E-03	0.00E+00	1.84E-03	3.20E-04
9534	499004.5	3733995	1.72E-03	0.00E+00	1.72E-03	2.99E-04

9535	499000.8	3733986	1.70E-03	0.00E+00	1.70E-03	2.96E-04
9536	498997.1	3733977	1.68E-03	0.00E+00	1.68E-03	2.93E-04
9537	498993.5	3733968	1.67E-03	0.00E+00	1.67E-03	2.90E-04
9538	498989.8	3733959	1.65E-03	0.00E+00	1.65E-03	2.87E-04
9539	498986.1	3733950	1.63E-03	0.00E+00	1.63E-03	2.84E-04
9540	498967.7	3733905	1.55E-03	0.00E+00	1.55E-03	2.70E-04
9541	498964.1	3733896	1.53E-03	0.00E+00	1.53E-03	2.67E-04
9542	498901.6	3733742	1.28E-03	0.00E+00	1.28E-03	2.24E-04
9543	498897.9	3733732	1.27E-03	0.00E+00	1.27E-03	2.21E-04
9544	498894.2	3733723	1.26E-03	0.00E+00	1.26E-03	2.19E-04
9545	498890.6	3733714	1.25E-03	0.00E+00	1.25E-03	2.17E-04
9546	498886.9	3733705	1.23E-03	0.00E+00	1.23E-03	2.15E-04
9547	498883.2	3733696	1.22E-03	0.00E+00	1.22E-03	2.13E-04
9548	498879.5	3733687	1.21E-03	0.00E+00	1.21E-03	2.11E-04
9549	498875.9	3733678	1.20E-03	0.00E+00	1.20E-03	2.09E-04
9550	498872.2	3733669	1.18E-03	0.00E+00	1.18E-03	2.06E-04
9551	498828.1	3733560	1.06E-03	0.00E+00	1.06E-03	1.84E-04
9552	498824.4	3733551	1.05E-03	0.00E+00	1.05E-03	1.82E-04
9553	498820.8	3733542	1.04E-03	0.00E+00	1.04E-03	1.81E-04
9554	499857.8	3734586	3.66E-03	0.00E+00	3.66E-03	6.37E-04
9555	499867.7	3734586	3.65E-03	0.00E+00	3.65E-03	6.37E-04
9556	499877.5	3734586	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9557	499887.3	3734586	3.64E-03	0.00E+00	3.64E-03	6.34E-04
9558	499897.1	3734586	3.63E-03	0.00E+00	3.63E-03	6.33E-04
9559	499907	3734586	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9560	499916.8	3734586	3.61E-03	0.00E+00	3.61E-03	6.29E-04
9561	499926.6	3734586	3.60E-03	0.00E+00	3.60E-03	6.28E-04
9562	499936.4	3734586	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9563	499946.3	3734586	3.58E-03	0.00E+00	3.58E-03	6.23E-04
9564	499956.1	3734586	3.56E-03	0.00E+00	3.56E-03	6.21E-04
9565	499965.9	3734586	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9566	499975.7	3734586	3.53E-03	0.00E+00	3.53E-03	6.16E-04
9567	499985.6	3734586	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9568	499995.4	3734586	3.50E-03	0.00E+00	3.50E-03	6.10E-04
9569	500005.2	3734586	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9570	500015	3734586	3.47E-03	0.00E+00	3.47E-03	6.04E-04
9571	500024.8	3734586	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9572	500034.7	3734586	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9573	500044.5	3734586	3.41E-03	0.00E+00	3.41E-03	5.94E-04
9574	500054.3	3734586	3.39E-03	0.00E+00	3.39E-03	5.90E-04
9575	500064.1	3734586	3.37E-03	0.00E+00	3.37E-03	5.87E-04
9576	500074	3734586	3.35E-03	0.00E+00	3.35E-03	5.83E-04
9577	500083.8	3734586	3.32E-03	0.00E+00	3.32E-03	5.79E-04
9578	500093.6	3734586	3.30E-03	0.00E+00	3.30E-03	5.75E-04
9579	500103.4	3734586	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9580	500113.3	3734586	3.26E-03	0.00E+00	3.26E-03	5.67E-04
9581	500123.1	3734586	3.23E-03	0.00E+00	3.23E-03	5.63E-04

9582	500132.9	3734586	3.21E-03	0.00E+00	3.21E-03	5.59E-04
9583	500142.7	3734586	3.19E-03	0.00E+00	3.19E-03	5.55E-04
9584	500152.6	3734586	3.16E-03	0.00E+00	3.16E-03	5.51E-04
9585	500162.4	3734586	3.14E-03	0.00E+00	3.14E-03	5.46E-04
9586	500172.2	3734586	3.11E-03	0.00E+00	3.11E-03	5.42E-04
9587	500182	3734586	3.09E-03	0.00E+00	3.09E-03	5.38E-04
9588	499848.8	3734618	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9589	499839.8	3734614	3.54E-03	0.00E+00	3.54E-03	6.16E-04
9590	499830.8	3734610	3.56E-03	0.00E+00	3.56E-03	6.20E-04
9591	499821.8	3734606	3.57E-03	0.00E+00	3.57E-03	6.23E-04
9592	499812.8	3734602	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9593	499803.8	3734599	3.61E-03	0.00E+00	3.61E-03	6.29E-04
9594	499794.8	3734595	3.62E-03	0.00E+00	3.62E-03	6.31E-04
9595	499785.8	3734591	3.64E-03	0.00E+00	3.64E-03	6.34E-04
9596	499776.8	3734587	3.65E-03	0.00E+00	3.65E-03	6.36E-04
9597	499767.8	3734584	3.67E-03	0.00E+00	3.67E-03	6.39E-04
9598	499758.8	3734580	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9599	499749.8	3734576	3.69E-03	0.00E+00	3.69E-03	6.43E-04
9600	499740.8	3734572	3.70E-03	0.00E+00	3.70E-03	6.44E-04
9601	499731.8	3734569	3.71E-03	0.00E+00	3.71E-03	6.46E-04
9602	499722.8	3734565	3.72E-03	0.00E+00	3.72E-03	6.47E-04
9603	499713.8	3734561	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9604	499704.8	3734557	3.73E-03	0.00E+00	3.73E-03	6.49E-04
9605	499659.8	3734538	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9606	499650.8	3734535	3.74E-03	0.00E+00	3.74E-03	6.51E-04
9607	499641.8	3734531	3.73E-03	0.00E+00	3.73E-03	6.50E-04
9608	499632.8	3734527	3.73E-03	0.00E+00	3.73E-03	6.50E-04
9609	499623.8	3734523	3.72E-03	0.00E+00	3.72E-03	6.49E-04
9610	499614.8	3734520	3.72E-03	0.00E+00	3.72E-03	6.48E-04
9611	499605.8	3734516	3.71E-03	0.00E+00	3.71E-03	6.46E-04
9612	499596.8	3734512	3.70E-03	0.00E+00	3.70E-03	6.45E-04
9613	499587.8	3734508	3.69E-03	0.00E+00	3.69E-03	6.43E-04
9614	499578.8	3734505	3.68E-03	0.00E+00	3.68E-03	6.41E-04
9615	499569.9	3734501	3.67E-03	0.00E+00	3.67E-03	6.39E-04
9616	499560.9	3734497	3.66E-03	0.00E+00	3.66E-03	6.37E-04
9617	499551.9	3734493	3.64E-03	0.00E+00	3.64E-03	6.34E-04
9618	499542.9	3734489	3.63E-03	0.00E+00	3.63E-03	6.32E-04
9619	499533.9	3734486	3.61E-03	0.00E+00	3.61E-03	6.29E-04
9620	499524.9	3734482	3.59E-03	0.00E+00	3.59E-03	6.26E-04
9621	499515.9	3734478	3.57E-03	0.00E+00	3.57E-03	6.23E-04
9622	499506.9	3734474	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9623	499497.9	3734471	3.53E-03	0.00E+00	3.53E-03	6.16E-04
9624	499488.9	3734467	3.51E-03	0.00E+00	3.51E-03	6.12E-04
9625	499479.9	3734463	3.49E-03	0.00E+00	3.49E-03	6.08E-04
9626	499470.9	3734459	3.47E-03	0.00E+00	3.47E-03	6.04E-04
9627	499461.9	3734456	3.44E-03	0.00E+00	3.44E-03	6.00E-04
9628	499452.9	3734452	3.42E-03	0.00E+00	3.42E-03	5.95E-04

9629	499443.9	3734448	3.39E-03	0.00E+00	3.39E-03	5.91E-04
9630	499434.9	3734444	3.37E-03	0.00E+00	3.37E-03	5.86E-04
9631	499371.9	3734418	3.16E-03	0.00E+00	3.16E-03	5.51E-04
9632	499362.9	3734414	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9633	499353.9	3734410	3.10E-03	0.00E+00	3.10E-03	5.40E-04
9634	499344.9	3734407	3.07E-03	0.00E+00	3.07E-03	5.34E-04
9635	499335.9	3734403	3.03E-03	0.00E+00	3.03E-03	5.28E-04
9636	499326.9	3734399	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9637	499317.9	3734395	2.97E-03	0.00E+00	2.97E-03	5.17E-04
9638	499308.9	3734392	2.93E-03	0.00E+00	2.93E-03	5.11E-04
9639	499299.9	3734388	2.90E-03	0.00E+00	2.90E-03	5.05E-04
9640	499290.9	3734384	2.86E-03	0.00E+00	2.86E-03	4.99E-04
9641	499281.9	3734380	2.83E-03	0.00E+00	2.83E-03	4.93E-04
9642	499272.9	3734376	2.80E-03	0.00E+00	2.80E-03	4.87E-04
9643	499263.9	3734373	2.76E-03	0.00E+00	2.76E-03	4.81E-04
9644	499254.9	3734369	2.73E-03	0.00E+00	2.73E-03	4.75E-04
9645	499245.9	3734365	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9646	499237	3734361	2.66E-03	0.00E+00	2.66E-03	4.63E-04
9647	499228	3734358	2.62E-03	0.00E+00	2.62E-03	4.57E-04
9648	499219	3734354	2.59E-03	0.00E+00	2.59E-03	4.51E-04
9649	499210	3734350	2.55E-03	0.00E+00	2.55E-03	4.45E-04
9650	499201	3734346	2.52E-03	0.00E+00	2.52E-03	4.39E-04
9651	499192	3734343	2.48E-03	0.00E+00	2.48E-03	4.33E-04
9652	499183	3734339	2.45E-03	0.00E+00	2.45E-03	4.27E-04
9653	499174	3734335	2.41E-03	0.00E+00	2.41E-03	4.21E-04
9654	499165	3734331	2.38E-03	0.00E+00	2.38E-03	4.15E-04
9655	499156	3734328	2.35E-03	0.00E+00	2.35E-03	4.09E-04
9656	499147	3734324	2.31E-03	0.00E+00	2.31E-03	4.03E-04
9657	499138	3734320	2.28E-03	0.00E+00	2.28E-03	3.97E-04
9658	499129	3734316	2.25E-03	0.00E+00	2.25E-03	3.91E-04
9659	499120	3734312	2.21E-03	0.00E+00	2.21E-03	3.85E-04
9660	499111	3734309	2.18E-03	0.00E+00	2.18E-03	3.80E-04
9661	499102	3734305	2.15E-03	0.00E+00	2.15E-03	3.74E-04
9662	499089.3	3734292	2.10E-03	0.00E+00	2.10E-03	3.66E-04
9663	499085.7	3734283	2.09E-03	0.00E+00	2.09E-03	3.64E-04
9664	499082	3734274	2.08E-03	0.00E+00	2.08E-03	3.62E-04
9665	499078.3	3734265	2.06E-03	0.00E+00	2.06E-03	3.60E-04
9666	499074.7	3734256	2.05E-03	0.00E+00	2.05E-03	3.57E-04
9667	499071	3734247	2.04E-03	0.00E+00	2.04E-03	3.55E-04
9668	499067.3	3734238	2.02E-03	0.00E+00	2.02E-03	3.53E-04
9669	499063.7	3734229	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9670	499060	3734220	2.00E-03	0.00E+00	2.00E-03	3.48E-04
9671	499056.3	3734211	1.98E-03	0.00E+00	1.98E-03	3.45E-04
9672	499052.7	3734202	1.97E-03	0.00E+00	1.97E-03	3.43E-04
9673	499049	3734193	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9674	499045.3	3734184	1.94E-03	0.00E+00	1.94E-03	3.38E-04
9675	499041.7	3734175	1.92E-03	0.00E+00	1.92E-03	3.35E-04

9676	499038	3734166	1.91E-03	0.00E+00	1.91E-03	3.32E-04
9677	499034.3	3734157	1.89E-03	0.00E+00	1.89E-03	3.30E-04
9678	499030.7	3734147	1.88E-03	0.00E+00	1.88E-03	3.27E-04
9679	499027	3734138	1.86E-03	0.00E+00	1.86E-03	3.24E-04
9680	499023.3	3734129	1.84E-03	0.00E+00	1.84E-03	3.21E-04
9681	499019.7	3734120	1.83E-03	0.00E+00	1.83E-03	3.19E-04
9682	498994	3734057	1.72E-03	0.00E+00	1.72E-03	2.99E-04
9683	498990.3	3734048	1.70E-03	0.00E+00	1.70E-03	2.96E-04
9684	498986.7	3734039	1.68E-03	0.00E+00	1.68E-03	2.93E-04
9685	498983	3734030	1.67E-03	0.00E+00	1.67E-03	2.91E-04
9686	498979.3	3734021	1.65E-03	0.00E+00	1.65E-03	2.88E-04
9687	498975.7	3734012	1.64E-03	0.00E+00	1.64E-03	2.85E-04
9688	498972	3734003	1.62E-03	0.00E+00	1.62E-03	2.82E-04
9689	498968.3	3733994	1.60E-03	0.00E+00	1.60E-03	2.79E-04
9690	498964.7	3733985	1.59E-03	0.00E+00	1.59E-03	2.77E-04
9691	498961	3733976	1.57E-03	0.00E+00	1.57E-03	2.74E-04
9692	498957.3	3733967	1.56E-03	0.00E+00	1.56E-03	2.71E-04
9693	498865.7	3733741	1.21E-03	0.00E+00	1.21E-03	2.11E-04
9694	498862	3733732	1.20E-03	0.00E+00	1.20E-03	2.08E-04
9695	498858.4	3733723	1.18E-03	0.00E+00	1.18E-03	2.06E-04
9696	498854.7	3733714	1.17E-03	0.00E+00	1.17E-03	2.04E-04
9697	498851	3733705	1.16E-03	0.00E+00	1.16E-03	2.02E-04
9698	498847.4	3733696	1.15E-03	0.00E+00	1.15E-03	2.01E-04
9699	498843.7	3733687	1.14E-03	0.00E+00	1.14E-03	1.99E-04
9700	498840	3733677	1.13E-03	0.00E+00	1.13E-03	1.97E-04
9701	498796	3733569	1.01E-03	0.00E+00	1.01E-03	1.76E-04
9702	498792.4	3733560	1.00E-03	0.00E+00	1.00E-03	1.74E-04
9703	498788.7	3733551	9.92E-04	0.00E+00	9.92E-04	1.73E-04
9704	498785	3733542	9.83E-04	0.00E+00	9.83E-04	1.71E-04
9705	499857.8	3734621	3.50E-03	0.00E+00	3.50E-03	6.09E-04
9706	499867.6	3734621	3.49E-03	0.00E+00	3.49E-03	6.08E-04
9707	499877.4	3734621	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9708	499887.2	3734621	3.48E-03	0.00E+00	3.48E-03	6.06E-04
9709	499897.1	3734621	3.47E-03	0.00E+00	3.47E-03	6.05E-04
9710	499906.9	3734621	3.46E-03	0.00E+00	3.46E-03	6.03E-04
9711	499916.7	3734621	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9712	499926.5	3734621	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9713	499936.4	3734621	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9714	499946.2	3734621	3.42E-03	0.00E+00	3.42E-03	5.95E-04
9715	499956	3734622	3.40E-03	0.00E+00	3.40E-03	5.93E-04
9716	499965.8	3734622	3.39E-03	0.00E+00	3.39E-03	5.91E-04
9717	499975.7	3734622	3.38E-03	0.00E+00	3.38E-03	5.88E-04
9718	499985.5	3734622	3.36E-03	0.00E+00	3.36E-03	5.86E-04
9719	499995.3	3734622	3.35E-03	0.00E+00	3.35E-03	5.83E-04
9720	500005.1	3734622	3.33E-03	0.00E+00	3.33E-03	5.80E-04
9721	500015	3734622	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9722	500024.8	3734622	3.29E-03	0.00E+00	3.29E-03	5.74E-04

9723	500034.6	3734622	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9724	500044.4	3734622	3.26E-03	0.00E+00	3.26E-03	5.68E-04
9725	500054.3	3734622	3.24E-03	0.00E+00	3.24E-03	5.64E-04
9726	500064.1	3734622	3.22E-03	0.00E+00	3.22E-03	5.61E-04
9727	500073.9	3734622	3.20E-03	0.00E+00	3.20E-03	5.58E-04
9728	500083.7	3734622	3.18E-03	0.00E+00	3.18E-03	5.54E-04
9729	500093.5	3734622	3.16E-03	0.00E+00	3.16E-03	5.50E-04
9730	500103.4	3734622	3.14E-03	0.00E+00	3.14E-03	5.47E-04
9731	500113.2	3734622	3.12E-03	0.00E+00	3.12E-03	5.43E-04
9732	500123	3734622	3.09E-03	0.00E+00	3.09E-03	5.39E-04
9733	500132.8	3734622	3.07E-03	0.00E+00	3.07E-03	5.35E-04
9734	500142.7	3734622	3.05E-03	0.00E+00	3.05E-03	5.31E-04
9735	500152.5	3734622	3.03E-03	0.00E+00	3.03E-03	5.27E-04
9736	500162.3	3734622	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9737	500172.1	3734622	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9738	500182	3734622	2.96E-03	0.00E+00	2.96E-03	5.15E-04
9739	499848.7	3734653	3.37E-03	0.00E+00	3.37E-03	5.86E-04
9740	499839.7	3734650	3.38E-03	0.00E+00	3.38E-03	5.90E-04
9741	499830.8	3734646	3.40E-03	0.00E+00	3.40E-03	5.93E-04
9742	499821.8	3734642	3.42E-03	0.00E+00	3.42E-03	5.96E-04
9743	499812.8	3734638	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9744	499803.8	3734634	3.45E-03	0.00E+00	3.45E-03	6.02E-04
9745	499794.8	3734631	3.47E-03	0.00E+00	3.47E-03	6.04E-04
9746	499785.9	3734627	3.48E-03	0.00E+00	3.48E-03	6.07E-04
9747	499776.9	3734623	3.50E-03	0.00E+00	3.50E-03	6.09E-04
9748	499767.9	3734619	3.51E-03	0.00E+00	3.51E-03	6.11E-04
9749	499758.9	3734616	3.52E-03	0.00E+00	3.52E-03	6.13E-04
9750	499750	3734612	3.53E-03	0.00E+00	3.53E-03	6.15E-04
9751	499741	3734608	3.54E-03	0.00E+00	3.54E-03	6.17E-04
9752	499732	3734604	3.55E-03	0.00E+00	3.55E-03	6.19E-04
9753	499723	3734601	3.56E-03	0.00E+00	3.56E-03	6.20E-04
9754	499714	3734597	3.57E-03	0.00E+00	3.57E-03	6.21E-04
9755	499705.1	3734593	3.57E-03	0.00E+00	3.57E-03	6.23E-04
9756	499696.1	3734589	3.58E-03	0.00E+00	3.58E-03	6.23E-04
9757	499687.1	3734586	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9758	499678.1	3734582	3.58E-03	0.00E+00	3.58E-03	6.25E-04
9759	499669.1	3734578	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9760	499660.2	3734574	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9761	499651.2	3734571	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9762	499642.2	3734567	3.59E-03	0.00E+00	3.59E-03	6.25E-04
9763	499633.2	3734563	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9764	499624.3	3734559	3.58E-03	0.00E+00	3.58E-03	6.24E-04
9765	499570.4	3734537	3.54E-03	0.00E+00	3.54E-03	6.16E-04
9766	499561.4	3734533	3.53E-03	0.00E+00	3.53E-03	6.14E-04
9767	499552.4	3734529	3.51E-03	0.00E+00	3.51E-03	6.12E-04
9768	499543.5	3734525	3.50E-03	0.00E+00	3.50E-03	6.10E-04
9769	499534.5	3734522	3.49E-03	0.00E+00	3.49E-03	6.08E-04

9770	499525.5	3734518	3.47E-03	0.00E+00	3.47E-03	6.05E-04
9771	499516.5	3734514	3.46E-03	0.00E+00	3.46E-03	6.02E-04
9772	499507.5	3734510	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9773	499498.6	3734507	3.42E-03	0.00E+00	3.42E-03	5.96E-04
9774	499489.6	3734503	3.40E-03	0.00E+00	3.40E-03	5.93E-04
9775	499480.6	3734499	3.38E-03	0.00E+00	3.38E-03	5.90E-04
9776	499471.6	3734495	3.36E-03	0.00E+00	3.36E-03	5.86E-04
9777	499462.6	3734492	3.34E-03	0.00E+00	3.34E-03	5.82E-04
9778	499453.7	3734488	3.32E-03	0.00E+00	3.32E-03	5.78E-04
9779	499444.7	3734484	3.30E-03	0.00E+00	3.30E-03	5.74E-04
9780	499435.7	3734480	3.27E-03	0.00E+00	3.27E-03	5.70E-04
9781	499426.7	3734477	3.25E-03	0.00E+00	3.25E-03	5.66E-04
9782	499417.8	3734473	3.22E-03	0.00E+00	3.22E-03	5.62E-04
9783	499408.8	3734469	3.20E-03	0.00E+00	3.20E-03	5.57E-04
9784	499372.9	3734454	3.09E-03	0.00E+00	3.09E-03	5.38E-04
9785	499363.9	3734450	3.06E-03	0.00E+00	3.06E-03	5.33E-04
9786	499354.9	3734447	3.03E-03	0.00E+00	3.03E-03	5.28E-04
9787	499345.9	3734443	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9788	499337	3734439	2.97E-03	0.00E+00	2.97E-03	5.18E-04
9789	499328	3734435	2.94E-03	0.00E+00	2.94E-03	5.13E-04
9790	499319	3734432	2.91E-03	0.00E+00	2.91E-03	5.07E-04
9791	499310	3734428	2.88E-03	0.00E+00	2.88E-03	5.02E-04
9792	499301	3734424	2.85E-03	0.00E+00	2.85E-03	4.97E-04
9793	499292.1	3734420	2.82E-03	0.00E+00	2.82E-03	4.91E-04
9794	499283.1	3734416	2.79E-03	0.00E+00	2.79E-03	4.86E-04
9795	499274.1	3734413	2.76E-03	0.00E+00	2.76E-03	4.80E-04
9796	499265.1	3734409	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9797	499256.1	3734405	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9798	499247.2	3734401	2.66E-03	0.00E+00	2.66E-03	4.63E-04
9799	499238.2	3734398	2.63E-03	0.00E+00	2.63E-03	4.58E-04
9800	499229.2	3734394	2.59E-03	0.00E+00	2.59E-03	4.52E-04
9801	499220.2	3734390	2.56E-03	0.00E+00	2.56E-03	4.46E-04
9802	499211.3	3734386	2.53E-03	0.00E+00	2.53E-03	4.41E-04
9803	499202.3	3734383	2.50E-03	0.00E+00	2.50E-03	4.35E-04
9804	499193.3	3734379	2.46E-03	0.00E+00	2.46E-03	4.29E-04
9805	499184.3	3734375	2.43E-03	0.00E+00	2.43E-03	4.24E-04
9806	499175.3	3734371	2.40E-03	0.00E+00	2.40E-03	4.18E-04
9807	499166.4	3734368	2.37E-03	0.00E+00	2.37E-03	4.12E-04
9808	499157.4	3734364	2.33E-03	0.00E+00	2.33E-03	4.07E-04
9809	499148.4	3734360	2.30E-03	0.00E+00	2.30E-03	4.01E-04
9810	499139.4	3734356	2.27E-03	0.00E+00	2.27E-03	3.96E-04
9811	499130.4	3734353	2.24E-03	0.00E+00	2.24E-03	3.90E-04
9812	499121.5	3734349	2.21E-03	0.00E+00	2.21E-03	3.84E-04
9813	499112.5	3734345	2.18E-03	0.00E+00	2.18E-03	3.79E-04
9814	499103.5	3734341	2.14E-03	0.00E+00	2.14E-03	3.74E-04
9815	499094.5	3734338	2.11E-03	0.00E+00	2.11E-03	3.68E-04
9816	499085.6	3734334	2.08E-03	0.00E+00	2.08E-03	3.63E-04

9817	499076.6	3734330	2.05E-03	0.00E+00	2.05E-03	3.58E-04
9818	499063.9	3734317	2.01E-03	0.00E+00	2.01E-03	3.50E-04
9819	499060.3	3734308	2.00E-03	0.00E+00	2.00E-03	3.48E-04
9820	499056.6	3734299	1.99E-03	0.00E+00	1.99E-03	3.46E-04
9821	499053	3734290	1.97E-03	0.00E+00	1.97E-03	3.44E-04
9822	499049.3	3734281	1.96E-03	0.00E+00	1.96E-03	3.42E-04
9823	499045.6	3734272	1.95E-03	0.00E+00	1.95E-03	3.40E-04
9824	499042	3734263	1.94E-03	0.00E+00	1.94E-03	3.38E-04
9825	499038.3	3734254	1.92E-03	0.00E+00	1.92E-03	3.35E-04
9826	499034.7	3734245	1.91E-03	0.00E+00	1.91E-03	3.33E-04
9827	499031	3734236	1.90E-03	0.00E+00	1.90E-03	3.31E-04
9828	499027.4	3734227	1.88E-03	0.00E+00	1.88E-03	3.28E-04
9829	499023.7	3734218	1.87E-03	0.00E+00	1.87E-03	3.26E-04
9830	499020	3734209	1.86E-03	0.00E+00	1.86E-03	3.23E-04
9831	499016.4	3734200	1.84E-03	0.00E+00	1.84E-03	3.21E-04
9832	499012.7	3734191	1.83E-03	0.00E+00	1.83E-03	3.18E-04
9833	499009.1	3734182	1.81E-03	0.00E+00	1.81E-03	3.16E-04
9834	499005.4	3734173	1.80E-03	0.00E+00	1.80E-03	3.13E-04
9835	499001.7	3734164	1.78E-03	0.00E+00	1.78E-03	3.11E-04
9836	498998.1	3734155	1.77E-03	0.00E+00	1.77E-03	3.08E-04
9837	498994.4	3734146	1.75E-03	0.00E+00	1.75E-03	3.06E-04
9838	498950.5	3734038	1.57E-03	0.00E+00	1.57E-03	2.74E-04
9839	498946.9	3734029	1.56E-03	0.00E+00	1.56E-03	2.72E-04
9840	498943.2	3734020	1.54E-03	0.00E+00	1.54E-03	2.69E-04
9841	498939.6	3734011	1.53E-03	0.00E+00	1.53E-03	2.67E-04
9842	498935.9	3734002	1.52E-03	0.00E+00	1.52E-03	2.64E-04
9843	498932.2	3733993	1.50E-03	0.00E+00	1.50E-03	2.61E-04
9844	498928.6	3733984	1.49E-03	0.00E+00	1.49E-03	2.59E-04
9845	498924.9	3733974	1.47E-03	0.00E+00	1.47E-03	2.56E-04
9846	498921.3	3733965	1.46E-03	0.00E+00	1.46E-03	2.54E-04
9847	498917.6	3733956	1.44E-03	0.00E+00	1.44E-03	2.51E-04
9848	498913.9	3733947	1.43E-03	0.00E+00	1.43E-03	2.49E-04
9849	498910.3	3733938	1.41E-03	0.00E+00	1.41E-03	2.46E-04
9850	498906.6	3733929	1.40E-03	0.00E+00	1.40E-03	2.44E-04
9851	498829.8	3733740	1.14E-03	0.00E+00	1.14E-03	1.99E-04
9852	498826.1	3733731	1.13E-03	0.00E+00	1.13E-03	1.97E-04
9853	498822.5	3733722	1.12E-03	0.00E+00	1.12E-03	1.95E-04
9854	498818.8	3733713	1.11E-03	0.00E+00	1.11E-03	1.93E-04
9855	498815.2	3733704	1.10E-03	0.00E+00	1.10E-03	1.91E-04
9856	498811.5	3733695	1.09E-03	0.00E+00	1.09E-03	1.89E-04
9857	498807.8	3733686	1.08E-03	0.00E+00	1.08E-03	1.88E-04
9858	498804.2	3733677	1.07E-03	0.00E+00	1.07E-03	1.86E-04
9859	498796.9	3733659	1.05E-03	0.00E+00	1.05E-03	1.83E-04
9860	498760.3	3733569	9.58E-04	0.00E+00	9.58E-04	1.67E-04
9861	498756.6	3733560	9.50E-04	0.00E+00	9.50E-04	1.66E-04
9862	498753	3733551	9.42E-04	0.00E+00	9.42E-04	1.64E-04
9863	498749.3	3733542	9.34E-04	0.00E+00	9.34E-04	1.63E-04

9864	499857.7	3734657	3.35E-03	0.00E+00	3.35E-03	5.83E-04
9865	499867.5	3734657	3.34E-03	0.00E+00	3.34E-03	5.82E-04
9866	499877.3	3734657	3.33E-03	0.00E+00	3.33E-03	5.81E-04
9867	499887.2	3734657	3.33E-03	0.00E+00	3.33E-03	5.80E-04
9868	499897	3734657	3.32E-03	0.00E+00	3.32E-03	5.78E-04
9869	499906.8	3734657	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9870	499916.6	3734657	3.30E-03	0.00E+00	3.30E-03	5.75E-04
9871	499926.5	3734657	3.29E-03	0.00E+00	3.29E-03	5.73E-04
9872	499936.3	3734657	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9873	499946.1	3734657	3.27E-03	0.00E+00	3.27E-03	5.69E-04
9874	499955.9	3734657	3.26E-03	0.00E+00	3.26E-03	5.67E-04
9875	499965.8	3734657	3.24E-03	0.00E+00	3.24E-03	5.65E-04
9876	499975.6	3734657	3.23E-03	0.00E+00	3.23E-03	5.63E-04
9877	499985.4	3734657	3.21E-03	0.00E+00	3.21E-03	5.60E-04
9878	499995.2	3734657	3.20E-03	0.00E+00	3.20E-03	5.58E-04
9879	500005.1	3734657	3.18E-03	0.00E+00	3.18E-03	5.55E-04
9880	500014.9	3734657	3.17E-03	0.00E+00	3.17E-03	5.52E-04
9881	500024.7	3734657	3.15E-03	0.00E+00	3.15E-03	5.49E-04
9882	500034.5	3734657	3.14E-03	0.00E+00	3.14E-03	5.46E-04
9883	500044.4	3734657	3.12E-03	0.00E+00	3.12E-03	5.43E-04
9884	500054.2	3734657	3.10E-03	0.00E+00	3.10E-03	5.40E-04
9885	500064	3734657	3.08E-03	0.00E+00	3.08E-03	5.37E-04
9886	500073.8	3734657	3.06E-03	0.00E+00	3.06E-03	5.34E-04
9887	500083.7	3734657	3.04E-03	0.00E+00	3.04E-03	5.30E-04
9888	500093.5	3734657	3.03E-03	0.00E+00	3.03E-03	5.27E-04
9889	500103.3	3734658	3.01E-03	0.00E+00	3.01E-03	5.24E-04
9890	500113.1	3734658	2.99E-03	0.00E+00	2.99E-03	5.20E-04
9891	500123	3734658	2.97E-03	0.00E+00	2.97E-03	5.17E-04
9892	500132.8	3734658	2.94E-03	0.00E+00	2.94E-03	5.13E-04
9893	500142.6	3734658	2.92E-03	0.00E+00	2.92E-03	5.09E-04
9894	500152.4	3734658	2.90E-03	0.00E+00	2.90E-03	5.06E-04
9895	500162.3	3734658	2.88E-03	0.00E+00	2.88E-03	5.02E-04
9896	500172.1	3734658	2.86E-03	0.00E+00	2.86E-03	4.98E-04
9897	500181.9	3734658	2.84E-03	0.00E+00	2.84E-03	4.94E-04
9898	499848.6	3734689	3.22E-03	0.00E+00	3.22E-03	5.62E-04
9899	499839.5	3734685	3.24E-03	0.00E+00	3.24E-03	5.65E-04
9900	499830.4	3734681	3.26E-03	0.00E+00	3.26E-03	5.68E-04
9901	499821.4	3734678	3.28E-03	0.00E+00	3.28E-03	5.71E-04
9902	499812.3	3734674	3.29E-03	0.00E+00	3.29E-03	5.74E-04
9903	499803.3	3734670	3.31E-03	0.00E+00	3.31E-03	5.77E-04
9904	499794.2	3734666	3.32E-03	0.00E+00	3.32E-03	5.79E-04
9905	499785.1	3734662	3.34E-03	0.00E+00	3.34E-03	5.82E-04
9906	499776.1	3734659	3.35E-03	0.00E+00	3.35E-03	5.84E-04
9907	499767	3734655	3.36E-03	0.00E+00	3.36E-03	5.86E-04
9908	499758	3734651	3.38E-03	0.00E+00	3.38E-03	5.88E-04
9909	499748.9	3734647	3.39E-03	0.00E+00	3.39E-03	5.90E-04
9910	499739.8	3734643	3.40E-03	0.00E+00	3.40E-03	5.92E-04

9911	499730.8	3734640	3.41E-03	0.00E+00	3.41E-03	5.94E-04
9912	499721.7	3734636	3.42E-03	0.00E+00	3.42E-03	5.95E-04
9913	499712.7	3734632	3.42E-03	0.00E+00	3.42E-03	5.96E-04
9914	499703.6	3734628	3.43E-03	0.00E+00	3.43E-03	5.97E-04
9915	499694.5	3734624	3.43E-03	0.00E+00	3.43E-03	5.98E-04
9916	499685.5	3734621	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9917	499676.4	3734617	3.44E-03	0.00E+00	3.44E-03	6.00E-04
9918	499667.4	3734613	3.45E-03	0.00E+00	3.45E-03	6.00E-04
9919	499658.3	3734609	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9920	499649.2	3734606	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9921	499640.2	3734602	3.45E-03	0.00E+00	3.45E-03	6.01E-04
9922	499631.1	3734598	3.45E-03	0.00E+00	3.45E-03	6.00E-04
9923	499622.1	3734594	3.44E-03	0.00E+00	3.44E-03	6.00E-04
9924	499613	3734590	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9925	499603.9	3734587	3.44E-03	0.00E+00	3.44E-03	5.99E-04
9926	499594.9	3734583	3.43E-03	0.00E+00	3.43E-03	5.98E-04
9927	499585.8	3734579	3.42E-03	0.00E+00	3.42E-03	5.97E-04
9928	499576.8	3734575	3.42E-03	0.00E+00	3.42E-03	5.95E-04
9929	499549.6	3734564	3.39E-03	0.00E+00	3.39E-03	5.90E-04
9930	499540.5	3734560	3.38E-03	0.00E+00	3.38E-03	5.88E-04
9931	499477.1	3734533	3.27E-03	0.00E+00	3.27E-03	5.70E-04
9932	499468	3734530	3.25E-03	0.00E+00	3.25E-03	5.67E-04
9933	499459	3734526	3.23E-03	0.00E+00	3.23E-03	5.63E-04
9934	499449.9	3734522	3.21E-03	0.00E+00	3.21E-03	5.60E-04
9935	499440.9	3734518	3.19E-03	0.00E+00	3.19E-03	5.56E-04
9936	499431.8	3734514	3.17E-03	0.00E+00	3.17E-03	5.53E-04
9937	499422.7	3734511	3.15E-03	0.00E+00	3.15E-03	5.49E-04
9938	499413.7	3734507	3.13E-03	0.00E+00	3.13E-03	5.45E-04
9939	499368.4	3734488	3.00E-03	0.00E+00	3.00E-03	5.23E-04
9940	499359.3	3734484	2.98E-03	0.00E+00	2.98E-03	5.19E-04
9941	499350.3	3734480	2.95E-03	0.00E+00	2.95E-03	5.14E-04
9942	499341.2	3734477	2.92E-03	0.00E+00	2.92E-03	5.09E-04
9943	499332.1	3734473	2.89E-03	0.00E+00	2.89E-03	5.04E-04
9944	499323.1	3734469	2.87E-03	0.00E+00	2.87E-03	4.99E-04
9945	499314	3734465	2.84E-03	0.00E+00	2.84E-03	4.94E-04
9946	499305	3734461	2.81E-03	0.00E+00	2.81E-03	4.89E-04
9947	499295.9	3734458	2.78E-03	0.00E+00	2.78E-03	4.84E-04
9948	499286.8	3734454	2.75E-03	0.00E+00	2.75E-03	4.79E-04
9949	499277.8	3734450	2.72E-03	0.00E+00	2.72E-03	4.74E-04
9950	499268.7	3734446	2.69E-03	0.00E+00	2.69E-03	4.69E-04
9951	499259.7	3734442	2.66E-03	0.00E+00	2.66E-03	4.64E-04
9952	499250.6	3734439	2.63E-03	0.00E+00	2.63E-03	4.58E-04
9953	499241.5	3734435	2.60E-03	0.00E+00	2.60E-03	4.53E-04
9954	499232.5	3734431	2.57E-03	0.00E+00	2.57E-03	4.48E-04
9955	499223.4	3734427	2.54E-03	0.00E+00	2.54E-03	4.42E-04
9956	499214.3	3734423	2.51E-03	0.00E+00	2.51E-03	4.37E-04
9957	499205.3	3734420	2.48E-03	0.00E+00	2.48E-03	4.32E-04

9958	499196.2	3734416	2.45E-03	0.00E+00	2.45E-03	4.26E-04
9959	499187.2	3734412	2.42E-03	0.00E+00	2.42E-03	4.21E-04
9960	499178.1	3734408	2.38E-03	0.00E+00	2.38E-03	4.15E-04
9961	499169	3734404	2.35E-03	0.00E+00	2.35E-03	4.10E-04
9962	499160	3734401	2.32E-03	0.00E+00	2.32E-03	4.05E-04
9963	499150.9	3734397	2.29E-03	0.00E+00	2.29E-03	3.99E-04
9964	499141.9	3734393	2.26E-03	0.00E+00	2.26E-03	3.94E-04
9965	499132.8	3734389	2.23E-03	0.00E+00	2.23E-03	3.89E-04
9966	499123.7	3734386	2.20E-03	0.00E+00	2.20E-03	3.83E-04
9967	499114.7	3734382	2.17E-03	0.00E+00	2.17E-03	3.78E-04
9968	499105.6	3734378	2.14E-03	0.00E+00	2.14E-03	3.73E-04
9969	499096.6	3734374	2.11E-03	0.00E+00	2.11E-03	3.68E-04
9970	499087.5	3734370	2.08E-03	0.00E+00	2.08E-03	3.63E-04
9971	499078.4	3734367	2.05E-03	0.00E+00	2.05E-03	3.57E-04
9972	499069.4	3734363	2.02E-03	0.00E+00	2.02E-03	3.52E-04
9973	499060.3	3734359	1.99E-03	0.00E+00	1.99E-03	3.47E-04
9974	499051.3	3734355	1.96E-03	0.00E+00	1.96E-03	3.42E-04
9975	499038.5	3734342	1.93E-03	0.00E+00	1.93E-03	3.35E-04
9976	499034.8	3734333	1.91E-03	0.00E+00	1.91E-03	3.34E-04
9977	499031.1	3734324	1.90E-03	0.00E+00	1.90E-03	3.32E-04
9978	499027.4	3734315	1.89E-03	0.00E+00	1.89E-03	3.30E-04
9979	499023.7	3734306	1.88E-03	0.00E+00	1.88E-03	3.27E-04
9980	499020.1	3734297	1.87E-03	0.00E+00	1.87E-03	3.25E-04
9981	499016.4	3734288	1.86E-03	0.00E+00	1.86E-03	3.23E-04
9982	499012.7	3734279	1.84E-03	0.00E+00	1.84E-03	3.21E-04
9983	499009	3734269	1.83E-03	0.00E+00	1.83E-03	3.19E-04
9984	499005.3	3734260	1.82E-03	0.00E+00	1.82E-03	3.17E-04
9985	499001.6	3734251	1.80E-03	0.00E+00	1.80E-03	3.14E-04
9986	498997.9	3734242	1.79E-03	0.00E+00	1.79E-03	3.12E-04
9987	498994.2	3734233	1.78E-03	0.00E+00	1.78E-03	3.10E-04
9988	498990.5	3734224	1.76E-03	0.00E+00	1.76E-03	3.08E-04
9989	498986.8	3734215	1.75E-03	0.00E+00	1.75E-03	3.05E-04
9990	498983.1	3734206	1.74E-03	0.00E+00	1.74E-03	3.03E-04
9991	498979.4	3734197	1.72E-03	0.00E+00	1.72E-03	3.00E-04
9992	498975.8	3734188	1.71E-03	0.00E+00	1.71E-03	2.98E-04
9993	498957.3	3734142	1.64E-03	0.00E+00	1.64E-03	2.86E-04
9994	498953.6	3734133	1.63E-03	0.00E+00	1.63E-03	2.83E-04
9995	498949.9	3734124	1.61E-03	0.00E+00	1.61E-03	2.81E-04
9996	498946.2	3734115	1.60E-03	0.00E+00	1.60E-03	2.78E-04
9997	498942.5	3734106	1.58E-03	0.00E+00	1.58E-03	2.76E-04
9998	498938.8	3734097	1.57E-03	0.00E+00	1.57E-03	2.73E-04
9999	498909.3	3734024	1.46E-03	0.00E+00	1.46E-03	2.54E-04
10000	498905.6	3734015	1.44E-03	0.00E+00	1.44E-03	2.51E-04
10001	498901.9	3734006	1.43E-03	0.00E+00	1.43E-03	2.49E-04
10002	498898.2	3733996	1.41E-03	0.00E+00	1.41E-03	2.46E-04
10003	498894.5	3733987	1.40E-03	0.00E+00	1.40E-03	2.44E-04
10004	498890.8	3733978	1.39E-03	0.00E+00	1.39E-03	2.42E-04

10005	498887.2	3733969	1.37E-03	0.00E+00	1.37E-03	2.39E-04
10006	498883.5	3733960	1.36E-03	0.00E+00	1.36E-03	2.37E-04
10007	498879.8	3733951	1.35E-03	0.00E+00	1.35E-03	2.35E-04
10008	498876.1	3733942	1.33E-03	0.00E+00	1.33E-03	2.32E-04
10009	498872.4	3733933	1.32E-03	0.00E+00	1.32E-03	2.30E-04
10010	498794.9	3733742	1.08E-03	0.00E+00	1.08E-03	1.88E-04
10011	498791.2	3733732	1.07E-03	0.00E+00	1.07E-03	1.86E-04
10012	498787.5	3733723	1.06E-03	0.00E+00	1.06E-03	1.85E-04
10013	498783.8	3733714	1.05E-03	0.00E+00	1.05E-03	1.83E-04
10014	498780.1	3733705	1.04E-03	0.00E+00	1.04E-03	1.81E-04
10015	498776.4	3733696	1.03E-03	0.00E+00	1.03E-03	1.80E-04
10016	498772.7	3733687	1.02E-03	0.00E+00	1.02E-03	1.78E-04
10017	498769	3733678	1.01E-03	0.00E+00	1.01E-03	1.76E-04
10018	498765.3	3733669	1.00E-03	0.00E+00	1.00E-03	1.75E-04
10019	498761.6	3733660	9.95E-04	0.00E+00	9.95E-04	1.73E-04
10020	498757.9	3733651	9.86E-04	0.00E+00	9.86E-04	1.72E-04
10021	498754.2	3733641	9.77E-04	0.00E+00	9.77E-04	1.70E-04
10022	498750.6	3733632	9.69E-04	0.00E+00	9.69E-04	1.69E-04
10023	498746.9	3733623	9.60E-04	0.00E+00	9.60E-04	1.67E-04
10024	498743.2	3733614	9.52E-04	0.00E+00	9.52E-04	1.66E-04
10025	498739.5	3733605	9.44E-04	0.00E+00	9.44E-04	1.64E-04
10026	498735.8	3733596	9.36E-04	0.00E+00	9.36E-04	1.63E-04
10027	498732.1	3733587	9.28E-04	0.00E+00	9.28E-04	1.62E-04
10028	498728.4	3733578	9.20E-04	0.00E+00	9.20E-04	1.60E-04
10029	498724.7	3733569	9.12E-04	0.00E+00	9.12E-04	1.59E-04
10030	498721	3733560	9.04E-04	0.00E+00	9.04E-04	1.58E-04
10031	498717.3	3733550	8.97E-04	0.00E+00	8.97E-04	1.56E-04
10032	498713.6	3733541	8.89E-04	0.00E+00	8.89E-04	1.55E-04
10033	499857.6	3734693	3.20E-03	0.00E+00	3.20E-03	5.58E-04
10034	499867.4	3734693	3.20E-03	0.00E+00	3.20E-03	5.57E-04
10035	499877.3	3734693	3.19E-03	0.00E+00	3.19E-03	5.56E-04
10036	499887.1	3734693	3.19E-03	0.00E+00	3.19E-03	5.55E-04
10037	499896.9	3734693	3.18E-03	0.00E+00	3.18E-03	5.54E-04
10038	499906.7	3734693	3.17E-03	0.00E+00	3.17E-03	5.52E-04
10039	499916.6	3734693	3.16E-03	0.00E+00	3.16E-03	5.51E-04
10040	499926.4	3734693	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10041	499936.2	3734693	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10042	499946	3734693	3.13E-03	0.00E+00	3.13E-03	5.45E-04
10043	499955.9	3734693	3.12E-03	0.00E+00	3.12E-03	5.43E-04
10044	499965.7	3734693	3.11E-03	0.00E+00	3.11E-03	5.41E-04
10045	499975.5	3734693	3.09E-03	0.00E+00	3.09E-03	5.39E-04
10046	499985.3	3734693	3.08E-03	0.00E+00	3.08E-03	5.36E-04
10047	499995.2	3734693	3.06E-03	0.00E+00	3.06E-03	5.34E-04
10048	500005	3734693	3.05E-03	0.00E+00	3.05E-03	5.31E-04
10049	500014.8	3734693	3.04E-03	0.00E+00	3.04E-03	5.29E-04
10050	500024.6	3734693	3.02E-03	0.00E+00	3.02E-03	5.26E-04
10051	500034.5	3734693	3.00E-03	0.00E+00	3.00E-03	5.23E-04

10052	500044.3	3734693	2.99E-03	0.00E+00	2.99E-03	5.21E-04
10053	500054.1	3734693	2.97E-03	0.00E+00	2.97E-03	5.18E-04
10054	500063.9	3734693	2.95E-03	0.00E+00	2.95E-03	5.15E-04
10055	500073.8	3734693	2.94E-03	0.00E+00	2.94E-03	5.12E-04
10056	500083.6	3734693	2.92E-03	0.00E+00	2.92E-03	5.09E-04
10057	500093.4	3734693	2.90E-03	0.00E+00	2.90E-03	5.05E-04
10058	500103.2	3734693	2.88E-03	0.00E+00	2.88E-03	5.02E-04
10059	500113.1	3734693	2.86E-03	0.00E+00	2.86E-03	4.99E-04
10060	500122.9	3734693	2.84E-03	0.00E+00	2.84E-03	4.96E-04
10061	500132.7	3734693	2.83E-03	0.00E+00	2.83E-03	4.92E-04
10062	500142.5	3734693	2.81E-03	0.00E+00	2.81E-03	4.89E-04
10063	500152.4	3734693	2.79E-03	0.00E+00	2.79E-03	4.85E-04
10064	500162.2	3734693	2.77E-03	0.00E+00	2.77E-03	4.82E-04
10065	500172	3734693	2.75E-03	0.00E+00	2.75E-03	4.78E-04
10066	500181.8	3734693	2.73E-03	0.00E+00	2.73E-03	4.75E-04
10067	500225.1	3733565	2.22E-02	0.00E+00	2.22E-02	3.87E-03
10068	500233.9	3733534	2.20E-02	0.00E+00	2.20E-02	3.84E-03
10069	500233.9	3733524	2.26E-02	0.00E+00	2.26E-02	3.94E-03
10070	500234	3733514	2.32E-02	0.00E+00	2.32E-02	4.05E-03
10071	500234	3733505	2.39E-02	0.00E+00	2.39E-02	4.17E-03
10072	500234	3733495	2.47E-02	0.00E+00	2.47E-02	4.30E-03
10073	500234	3733485	2.55E-02	0.00E+00	2.55E-02	4.43E-03
10074	500234	3733475	2.62E-02	0.00E+00	2.62E-02	4.57E-03
10075	500234	3733466	2.69E-02	0.00E+00	2.69E-02	4.69E-03
10076	500234	3733456	2.76E-02	0.00E+00	2.76E-02	4.81E-03
10077	500234	3733446	2.83E-02	0.00E+00	2.83E-02	4.92E-03
10078	500234	3733436	2.89E-02	0.00E+00	2.89E-02	5.04E-03
10079	500234	3733427	2.95E-02	0.00E+00	2.95E-02	5.14E-03
10080	500234.1	3733417	3.00E-02	0.00E+00	3.00E-02	5.23E-03
10081	500234.1	3733407	3.05E-02	0.00E+00	3.05E-02	5.32E-03
10082	500234.1	3733378	3.18E-02	0.00E+00	3.18E-02	5.54E-03
10083	500234.1	3733368	3.21E-02	0.00E+00	3.21E-02	5.59E-03
10084	500234.1	3733359	3.24E-02	0.00E+00	3.24E-02	5.64E-03
10085	500234.1	3733349	3.26E-02	0.00E+00	3.26E-02	5.69E-03
10086	500234.1	3733339	3.28E-02	0.00E+00	3.28E-02	5.72E-03
10087	500234.1	3733330	3.30E-02	0.00E+00	3.30E-02	5.75E-03
10088	500234.2	3733320	3.31E-02	0.00E+00	3.31E-02	5.77E-03
10089	500234.2	3733310	3.32E-02	0.00E+00	3.32E-02	5.79E-03
10090	500234.2	3733300	3.33E-02	0.00E+00	3.33E-02	5.80E-03
10091	500234.2	3733291	3.33E-02	0.00E+00	3.33E-02	5.80E-03
10092	500234.2	3733281	3.32E-02	0.00E+00	3.32E-02	5.79E-03
10093	500234.2	3733271	3.31E-02	0.00E+00	3.31E-02	5.77E-03
10094	500234.2	3733261	3.30E-02	0.00E+00	3.30E-02	5.75E-03
10095	500234.2	3733252	3.28E-02	0.00E+00	3.28E-02	5.72E-03
10096	500234.2	3733242	3.26E-02	0.00E+00	3.26E-02	5.69E-03
10097	500234.2	3733232	3.24E-02	0.00E+00	3.24E-02	5.65E-03
10098	500234.3	3733223	3.21E-02	0.00E+00	3.21E-02	5.60E-03

10099	500234.3	3733213	3.19E-02	0.00E+00	3.19E-02	5.55E-03
10100	500234.3	3733203	3.15E-02	0.00E+00	3.15E-02	5.49E-03
10101	500246.9	3733560	1.82E-02	0.00E+00	1.82E-02	3.18E-03
10102	500243.3	3733569	1.85E-02	0.00E+00	1.85E-02	3.22E-03
10103	500239.8	3733577	1.87E-02	0.00E+00	1.87E-02	3.25E-03
10104	500227.8	3733589	2.00E-02	0.00E+00	2.00E-02	3.49E-03
10105	500219.3	3733593	2.13E-02	0.00E+00	2.13E-02	3.71E-03
10106	500254.1	3733378	2.45E-02	0.00E+00	2.45E-02	4.27E-03
10107	500254.1	3733368	2.48E-02	0.00E+00	2.48E-02	4.31E-03
10108	500254.1	3733359	2.50E-02	0.00E+00	2.50E-02	4.36E-03
10109	500254.1	3733349	2.52E-02	0.00E+00	2.52E-02	4.39E-03
10110	500254.1	3733339	2.54E-02	0.00E+00	2.54E-02	4.42E-03
10111	500254.1	3733330	2.55E-02	0.00E+00	2.55E-02	4.45E-03
10112	500254.2	3733320	2.57E-02	0.00E+00	2.57E-02	4.48E-03
10113	500254.2	3733310	2.58E-02	0.00E+00	2.58E-02	4.50E-03
10114	500254.2	3733300	2.59E-02	0.00E+00	2.59E-02	4.51E-03
10115	500254.2	3733291	2.60E-02	0.00E+00	2.60E-02	4.52E-03
10116	500254.2	3733281	2.60E-02	0.00E+00	2.60E-02	4.53E-03
10117	500254.2	3733271	2.60E-02	0.00E+00	2.60E-02	4.52E-03
10118	500254.2	3733261	2.59E-02	0.00E+00	2.59E-02	4.52E-03
10119	500254.2	3733252	2.58E-02	0.00E+00	2.58E-02	4.50E-03
10120	500254.2	3733242	2.58E-02	0.00E+00	2.58E-02	4.49E-03
10121	500254.2	3733232	2.57E-02	0.00E+00	2.57E-02	4.48E-03
10122	500254.3	3733223	2.56E-02	0.00E+00	2.56E-02	4.46E-03
10123	500270.6	3733552	1.51E-02	0.00E+00	1.51E-02	2.64E-03
10124	500242.3	3733603	1.71E-02	0.00E+00	1.71E-02	2.98E-03
10125	500226.1	3733610	1.90E-02	0.00E+00	1.90E-02	3.31E-03
10126	500273.9	3733534	1.51E-02	0.00E+00	1.51E-02	2.63E-03
10127	500274	3733505	1.58E-02	0.00E+00	1.58E-02	2.75E-03
10128	500274	3733495	1.60E-02	0.00E+00	1.60E-02	2.79E-03
10129	500274	3733485	1.63E-02	0.00E+00	1.63E-02	2.84E-03
10130	500274	3733475	1.66E-02	0.00E+00	1.66E-02	2.89E-03
10131	500274	3733466	1.69E-02	0.00E+00	1.69E-02	2.94E-03
10132	500274	3733456	1.72E-02	0.00E+00	1.72E-02	3.00E-03
10133	500274	3733446	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10134	500274.1	3733417	1.84E-02	0.00E+00	1.84E-02	3.21E-03
10135	500274.1	3733407	1.87E-02	0.00E+00	1.87E-02	3.26E-03
10136	500274.1	3733398	1.90E-02	0.00E+00	1.90E-02	3.31E-03
10137	500274.1	3733388	1.93E-02	0.00E+00	1.93E-02	3.36E-03
10138	500274.1	3733378	1.95E-02	0.00E+00	1.95E-02	3.40E-03
10139	500274.1	3733368	1.97E-02	0.00E+00	1.97E-02	3.44E-03
10140	500274.1	3733339	2.03E-02	0.00E+00	2.03E-02	3.53E-03
10141	500274.1	3733330	2.04E-02	0.00E+00	2.04E-02	3.56E-03
10142	500274.2	3733320	2.06E-02	0.00E+00	2.06E-02	3.59E-03
10143	500274.2	3733310	2.07E-02	0.00E+00	2.07E-02	3.61E-03
10144	500274.2	3733300	2.08E-02	0.00E+00	2.08E-02	3.63E-03
10145	500274.2	3733291	2.09E-02	0.00E+00	2.09E-02	3.64E-03

10146	500274.2	3733281	2.09E-02	0.00E+00	2.09E-02	3.65E-03
10147	500274.2	3733252	2.10E-02	0.00E+00	2.10E-02	3.66E-03
10148	500274.2	3733242	2.10E-02	0.00E+00	2.10E-02	3.66E-03
10149	500274.2	3733232	2.10E-02	0.00E+00	2.10E-02	3.66E-03
10150	500274.3	3733223	2.10E-02	0.00E+00	2.10E-02	3.65E-03
10151	500290.3	3733552	1.30E-02	0.00E+00	1.30E-02	2.26E-03
10152	500286.6	3733561	1.32E-02	0.00E+00	1.32E-02	2.30E-03
10153	500282.9	3733570	1.34E-02	0.00E+00	1.34E-02	2.34E-03
10154	500279.2	3733579	1.36E-02	0.00E+00	1.36E-02	2.38E-03
10155	500275.6	3733588	1.38E-02	0.00E+00	1.38E-02	2.41E-03
10156	500255.7	3733618	1.50E-02	0.00E+00	1.50E-02	2.62E-03
10157	500246.8	3733622	1.58E-02	0.00E+00	1.58E-02	2.76E-03
10158	500238	3733625	1.67E-02	0.00E+00	1.67E-02	2.90E-03
10159	500229.1	3733629	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10160	500220.3	3733632	1.84E-02	0.00E+00	1.84E-02	3.20E-03
10161	500293.9	3733544	1.28E-02	0.00E+00	1.28E-02	2.23E-03
10162	500293.9	3733534	1.29E-02	0.00E+00	1.29E-02	2.25E-03
10163	500294	3733505	1.33E-02	0.00E+00	1.33E-02	2.32E-03
10164	500294	3733495	1.35E-02	0.00E+00	1.35E-02	2.35E-03
10165	500294	3733485	1.37E-02	0.00E+00	1.37E-02	2.38E-03
10166	500294	3733475	1.39E-02	0.00E+00	1.39E-02	2.42E-03
10167	500294	3733466	1.41E-02	0.00E+00	1.41E-02	2.45E-03
10168	500294	3733456	1.43E-02	0.00E+00	1.43E-02	2.49E-03
10169	500294	3733446	1.45E-02	0.00E+00	1.45E-02	2.52E-03
10170	500294.1	3733417	1.51E-02	0.00E+00	1.51E-02	2.64E-03
10171	500294.1	3733407	1.53E-02	0.00E+00	1.53E-02	2.67E-03
10172	500294.1	3733398	1.55E-02	0.00E+00	1.55E-02	2.71E-03
10173	500294.1	3733388	1.57E-02	0.00E+00	1.57E-02	2.74E-03
10174	500294.1	3733378	1.59E-02	0.00E+00	1.59E-02	2.78E-03
10175	500294.1	3733368	1.61E-02	0.00E+00	1.61E-02	2.81E-03
10176	500294.1	3733339	1.66E-02	0.00E+00	1.66E-02	2.89E-03
10177	500294.1	3733330	1.67E-02	0.00E+00	1.67E-02	2.92E-03
10178	500294.2	3733320	1.69E-02	0.00E+00	1.69E-02	2.94E-03
10179	500294.2	3733310	1.70E-02	0.00E+00	1.70E-02	2.96E-03
10180	500294.2	3733300	1.71E-02	0.00E+00	1.71E-02	2.98E-03
10181	500294.2	3733291	1.72E-02	0.00E+00	1.72E-02	2.99E-03
10182	500294.2	3733281	1.73E-02	0.00E+00	1.73E-02	3.01E-03
10183	500294.2	3733252	1.74E-02	0.00E+00	1.74E-02	3.04E-03
10184	500294.2	3733242	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10185	500294.2	3733232	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10186	500294.3	3733223	1.75E-02	0.00E+00	1.75E-02	3.05E-03
10187	500294.3	3733213	1.75E-02	0.00E+00	1.75E-02	3.06E-03
10188	500294.3	3733203	1.75E-02	0.00E+00	1.75E-02	3.06E-03
10189	500310.4	3733552	1.13E-02	0.00E+00	1.13E-02	1.97E-03
10190	500306.9	3733560	1.15E-02	0.00E+00	1.15E-02	2.00E-03
10191	500303.3	3733569	1.17E-02	0.00E+00	1.17E-02	2.03E-03
10192	500299.8	3733577	1.18E-02	0.00E+00	1.18E-02	2.06E-03

10193	500296.3	3733586	1.20E-02	0.00E+00	1.20E-02	2.09E-03
10194	500285.7	3733611	1.25E-02	0.00E+00	1.25E-02	2.17E-03
10195	500282.2	3733620	1.26E-02	0.00E+00	1.26E-02	2.19E-03
10196	500270.2	3733632	1.33E-02	0.00E+00	1.33E-02	2.32E-03
10197	500261.7	3733635	1.39E-02	0.00E+00	1.39E-02	2.43E-03
10198	500253.2	3733639	1.46E-02	0.00E+00	1.46E-02	2.54E-03
10199	500244.7	3733642	1.52E-02	0.00E+00	1.52E-02	2.65E-03
10200	500236.2	3733646	1.59E-02	0.00E+00	1.59E-02	2.77E-03
10201	500227.7	3733649	1.66E-02	0.00E+00	1.66E-02	2.89E-03
10202	500313.9	3733544	1.11E-02	0.00E+00	1.11E-02	1.93E-03
10203	500313.9	3733534	1.12E-02	0.00E+00	1.12E-02	1.95E-03
10204	500314	3733505	1.15E-02	0.00E+00	1.15E-02	2.00E-03
10205	500314	3733495	1.16E-02	0.00E+00	1.16E-02	2.02E-03
10206	500314	3733485	1.17E-02	0.00E+00	1.17E-02	2.04E-03
10207	500314	3733475	1.18E-02	0.00E+00	1.18E-02	2.06E-03
10208	500314	3733466	1.19E-02	0.00E+00	1.19E-02	2.08E-03
10209	500314	3733456	1.21E-02	0.00E+00	1.21E-02	2.10E-03
10210	500314	3733446	1.22E-02	0.00E+00	1.22E-02	2.13E-03
10211	500314.1	3733417	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10212	500314.1	3733407	1.28E-02	0.00E+00	1.28E-02	2.23E-03
10213	500314.1	3733398	1.30E-02	0.00E+00	1.30E-02	2.26E-03
10214	500314.1	3733388	1.31E-02	0.00E+00	1.31E-02	2.29E-03
10215	500314.1	3733378	1.33E-02	0.00E+00	1.33E-02	2.31E-03
10216	500314.1	3733368	1.34E-02	0.00E+00	1.34E-02	2.34E-03
10217	500314.1	3733339	1.38E-02	0.00E+00	1.38E-02	2.41E-03
10218	500314.1	3733330	1.40E-02	0.00E+00	1.40E-02	2.43E-03
10219	500314.2	3733320	1.41E-02	0.00E+00	1.41E-02	2.45E-03
10220	500314.2	3733310	1.42E-02	0.00E+00	1.42E-02	2.47E-03
10221	500314.2	3733300	1.43E-02	0.00E+00	1.43E-02	2.49E-03
10222	500314.2	3733291	1.44E-02	0.00E+00	1.44E-02	2.51E-03
10223	500314.2	3733281	1.45E-02	0.00E+00	1.45E-02	2.52E-03
10224	500314.2	3733252	1.47E-02	0.00E+00	1.47E-02	2.56E-03
10225	500314.2	3733242	1.48E-02	0.00E+00	1.48E-02	2.57E-03
10226	500314.2	3733232	1.48E-02	0.00E+00	1.48E-02	2.58E-03
10227	500314.3	3733223	1.49E-02	0.00E+00	1.49E-02	2.59E-03
10228	500314.3	3733213	1.49E-02	0.00E+00	1.49E-02	2.60E-03
10229	500314.3	3733203	1.50E-02	0.00E+00	1.50E-02	2.61E-03
10230	500330.5	3733552	9.89E-03	0.00E+00	9.89E-03	1.72E-03
10231	500323.6	3733568	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10232	500316.8	3733585	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10233	500303.1	3733618	1.11E-02	0.00E+00	1.11E-02	1.93E-03
10234	500296.2	3733634	1.13E-02	0.00E+00	1.13E-02	1.97E-03
10235	500284.5	3733646	1.19E-02	0.00E+00	1.19E-02	2.07E-03
10236	500268	3733653	1.29E-02	0.00E+00	1.29E-02	2.25E-03
10237	500251.5	3733660	1.40E-02	0.00E+00	1.40E-02	2.44E-03
10238	500234.9	3733666	1.51E-02	0.00E+00	1.51E-02	2.64E-03
10239	500333.9	3733534	9.79E-03	0.00E+00	9.79E-03	1.71E-03

10240	500334	3733505	9.98E-03	0.00E+00	9.98E-03	1.74E-03
10241	500334	3733495	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10242	500334	3733485	1.01E-02	0.00E+00	1.01E-02	1.76E-03
10243	500334	3733475	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10244	500334	3733466	1.03E-02	0.00E+00	1.03E-02	1.79E-03
10245	500334	3733456	1.04E-02	0.00E+00	1.04E-02	1.81E-03
10246	500334	3733446	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10247	500334	3733427	1.07E-02	0.00E+00	1.07E-02	1.86E-03
10248	500334.1	3733417	1.08E-02	0.00E+00	1.08E-02	1.88E-03
10249	500334.1	3733407	1.09E-02	0.00E+00	1.09E-02	1.90E-03
10250	500334.1	3733398	1.10E-02	0.00E+00	1.10E-02	1.92E-03
10251	500334.1	3733388	1.11E-02	0.00E+00	1.11E-02	1.94E-03
10252	500334.1	3733378	1.13E-02	0.00E+00	1.13E-02	1.96E-03
10253	500334.1	3733369	1.14E-02	0.00E+00	1.14E-02	1.98E-03
10254	500334.1	3733339	1.17E-02	0.00E+00	1.17E-02	2.04E-03
10255	500334.1	3733330	1.18E-02	0.00E+00	1.18E-02	2.06E-03
10256	500334.2	3733320	1.19E-02	0.00E+00	1.19E-02	2.08E-03
10257	500334.2	3733310	1.20E-02	0.00E+00	1.20E-02	2.10E-03
10258	500334.2	3733300	1.21E-02	0.00E+00	1.21E-02	2.11E-03
10259	500334.2	3733291	1.22E-02	0.00E+00	1.22E-02	2.13E-03
10260	500334.2	3733281	1.23E-02	0.00E+00	1.23E-02	2.15E-03
10261	500334.2	3733252	1.26E-02	0.00E+00	1.26E-02	2.19E-03
10262	500334.2	3733242	1.26E-02	0.00E+00	1.26E-02	2.20E-03
10263	500334.2	3733232	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10264	500334.3	3733223	1.28E-02	0.00E+00	1.28E-02	2.23E-03
10265	500334.3	3733213	1.28E-02	0.00E+00	1.28E-02	2.24E-03
10266	500350.3	3733552	8.75E-03	0.00E+00	8.75E-03	1.52E-03
10267	500346.7	3733561	8.90E-03	0.00E+00	8.90E-03	1.55E-03
10268	500343.1	3733570	9.06E-03	0.00E+00	9.06E-03	1.58E-03
10269	500339.5	3733578	9.21E-03	0.00E+00	9.21E-03	1.60E-03
10270	500335.8	3733587	9.36E-03	0.00E+00	9.36E-03	1.63E-03
10271	500325	3733613	9.77E-03	0.00E+00	9.77E-03	1.70E-03
10272	500321.4	3733622	9.90E-03	0.00E+00	9.90E-03	1.72E-03
10273	500317.7	3733631	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10274	500314.1	3733639	1.01E-02	0.00E+00	1.01E-02	1.76E-03
10275	500310.5	3733648	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10276	500298.2	3733660	1.08E-02	0.00E+00	1.08E-02	1.87E-03
10277	500289.5	3733664	1.12E-02	0.00E+00	1.12E-02	1.95E-03
10278	500280.7	3733667	1.17E-02	0.00E+00	1.17E-02	2.04E-03
10279	500272	3733671	1.22E-02	0.00E+00	1.22E-02	2.12E-03
10280	500263.3	3733675	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10281	500254.6	3733678	1.32E-02	0.00E+00	1.32E-02	2.30E-03
10282	500245.9	3733682	1.37E-02	0.00E+00	1.37E-02	2.38E-03
10283	500237.2	3733685	1.42E-02	0.00E+00	1.42E-02	2.47E-03
10284	500228.5	3733689	1.47E-02	0.00E+00	1.47E-02	2.56E-03
10285	500219.8	3733693	1.52E-02	0.00E+00	1.52E-02	2.65E-03
10286	500353.9	3733544	8.60E-03	0.00E+00	8.60E-03	1.50E-03

10287	500353.9	3733534	8.64E-03	0.00E+00	8.64E-03	1.51E-03
10288	500354	3733505	8.77E-03	0.00E+00	8.77E-03	1.53E-03
10289	500354	3733495	8.82E-03	0.00E+00	8.82E-03	1.54E-03
10290	500354	3733485	8.87E-03	0.00E+00	8.87E-03	1.55E-03
10291	500354	3733475	8.92E-03	0.00E+00	8.92E-03	1.55E-03
10292	500354	3733466	8.98E-03	0.00E+00	8.98E-03	1.56E-03
10293	500354	3733456	9.04E-03	0.00E+00	9.04E-03	1.58E-03
10294	500354	3733446	9.11E-03	0.00E+00	9.11E-03	1.59E-03
10295	500354.1	3733417	9.34E-03	0.00E+00	9.34E-03	1.63E-03
10296	500354.1	3733407	9.42E-03	0.00E+00	9.42E-03	1.64E-03
10297	500354.1	3733398	9.51E-03	0.00E+00	9.51E-03	1.66E-03
10298	500354.1	3733388	9.60E-03	0.00E+00	9.60E-03	1.67E-03
10299	500354.1	3733378	9.69E-03	0.00E+00	9.69E-03	1.69E-03
10300	500354.1	3733369	9.78E-03	0.00E+00	9.78E-03	1.70E-03
10301	500354.1	3733339	1.01E-02	0.00E+00	1.01E-02	1.75E-03
10302	500354.1	3733330	1.02E-02	0.00E+00	1.02E-02	1.77E-03
10303	500354.2	3733320	1.02E-02	0.00E+00	1.02E-02	1.79E-03
10304	500354.2	3733310	1.03E-02	0.00E+00	1.03E-02	1.80E-03
10305	500354.2	3733300	1.04E-02	0.00E+00	1.04E-02	1.82E-03
10306	500354.2	3733291	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10307	500354.2	3733281	1.06E-02	0.00E+00	1.06E-02	1.85E-03
10308	500354.2	3733252	1.09E-02	0.00E+00	1.09E-02	1.89E-03
10309	500354.2	3733242	1.09E-02	0.00E+00	1.09E-02	1.91E-03
10310	500354.2	3733232	1.10E-02	0.00E+00	1.10E-02	1.92E-03
10311	500354.3	3733223	1.11E-02	0.00E+00	1.11E-02	1.93E-03
10312	500370.4	3733552	7.79E-03	0.00E+00	7.79E-03	1.36E-03
10313	500366.9	3733561	7.93E-03	0.00E+00	7.93E-03	1.38E-03
10314	500363.3	3733569	8.06E-03	0.00E+00	8.06E-03	1.40E-03
10315	500359.8	3733578	8.19E-03	0.00E+00	8.19E-03	1.43E-03
10316	500356.3	3733586	8.32E-03	0.00E+00	8.32E-03	1.45E-03
10317	500342.2	3733620	8.82E-03	0.00E+00	8.82E-03	1.54E-03
10318	500338.7	3733628	8.93E-03	0.00E+00	8.93E-03	1.56E-03
10319	500335.1	3733637	9.04E-03	0.00E+00	9.04E-03	1.57E-03
10320	500312.5	3733674	9.77E-03	0.00E+00	9.77E-03	1.70E-03
10321	500304	3733678	1.02E-02	0.00E+00	1.02E-02	1.77E-03
10322	500295.5	3733681	1.06E-02	0.00E+00	1.06E-02	1.84E-03
10323	500287	3733685	1.10E-02	0.00E+00	1.10E-02	1.91E-03
10324	500278.5	3733688	1.14E-02	0.00E+00	1.14E-02	1.98E-03
10325	500270	3733692	1.18E-02	0.00E+00	1.18E-02	2.06E-03
10326	500261.5	3733695	1.22E-02	0.00E+00	1.22E-02	2.13E-03
10327	500253	3733699	1.27E-02	0.00E+00	1.27E-02	2.21E-03
10328	500244.5	3733702	1.31E-02	0.00E+00	1.31E-02	2.28E-03
10329	500236.1	3733706	1.35E-02	0.00E+00	1.35E-02	2.35E-03
10330	500227.6	3733709	1.39E-02	0.00E+00	1.39E-02	2.43E-03
10331	500373.9	3733544	7.66E-03	0.00E+00	7.66E-03	1.34E-03
10332	500373.9	3733534	7.69E-03	0.00E+00	7.69E-03	1.34E-03
10333	500373.9	3733524	7.71E-03	0.00E+00	7.71E-03	1.34E-03

10334	500374	3733505	7.77E-03	0.00E+00	7.77E-03	1.35E-03
10335	500374	3733495	7.80E-03	0.00E+00	7.80E-03	1.36E-03
10336	500374	3733485	7.83E-03	0.00E+00	7.83E-03	1.36E-03
10337	500374	3733476	7.87E-03	0.00E+00	7.87E-03	1.37E-03
10338	500374	3733466	7.91E-03	0.00E+00	7.91E-03	1.38E-03
10339	500374	3733456	7.95E-03	0.00E+00	7.95E-03	1.39E-03
10340	500374.1	3733417	8.17E-03	0.00E+00	8.17E-03	1.42E-03
10341	500374.1	3733407	8.23E-03	0.00E+00	8.23E-03	1.43E-03
10342	500374.1	3733398	8.29E-03	0.00E+00	8.29E-03	1.45E-03
10343	500374.1	3733388	8.36E-03	0.00E+00	8.36E-03	1.46E-03
10344	500374.1	3733378	8.44E-03	0.00E+00	8.44E-03	1.47E-03
10345	500374.1	3733369	8.51E-03	0.00E+00	8.51E-03	1.48E-03
10346	500374.1	3733330	8.83E-03	0.00E+00	8.83E-03	1.54E-03
10347	500374.2	3733320	8.90E-03	0.00E+00	8.90E-03	1.55E-03
10348	500374.2	3733310	8.98E-03	0.00E+00	8.98E-03	1.56E-03
10349	500374.2	3733300	9.06E-03	0.00E+00	9.06E-03	1.58E-03
10350	500374.2	3733291	9.14E-03	0.00E+00	9.14E-03	1.59E-03
10351	500374.2	3733252	9.47E-03	0.00E+00	9.47E-03	1.65E-03
10352	500374.2	3733242	9.55E-03	0.00E+00	9.55E-03	1.66E-03
10353	500374.2	3733232	9.63E-03	0.00E+00	9.63E-03	1.68E-03
10354	500390.3	3733552	6.99E-03	0.00E+00	6.99E-03	1.22E-03
10355	500386.6	3733561	7.12E-03	0.00E+00	7.12E-03	1.24E-03
10356	500382.9	3733570	7.24E-03	0.00E+00	7.24E-03	1.26E-03
10357	500379.2	3733579	7.36E-03	0.00E+00	7.36E-03	1.28E-03
10358	500375.6	3733588	7.48E-03	0.00E+00	7.48E-03	1.30E-03
10359	500360.9	3733623	7.95E-03	0.00E+00	7.95E-03	1.39E-03
10360	500357.2	3733632	8.06E-03	0.00E+00	8.06E-03	1.41E-03
10361	500353.5	3733641	8.17E-03	0.00E+00	8.17E-03	1.42E-03
10362	500308.6	3733696	9.67E-03	0.00E+00	9.67E-03	1.68E-03
10363	500299.7	3733700	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10364	500290.9	3733703	1.04E-02	0.00E+00	1.04E-02	1.81E-03
10365	500282	3733707	1.08E-02	0.00E+00	1.08E-02	1.88E-03
10366	500273.2	3733711	1.12E-02	0.00E+00	1.12E-02	1.95E-03
10367	500264.3	3733714	1.16E-02	0.00E+00	1.16E-02	2.02E-03
10368	500255.5	3733718	1.20E-02	0.00E+00	1.20E-02	2.09E-03
10369	500246.6	3733722	1.24E-02	0.00E+00	1.24E-02	2.15E-03
10370	500237.8	3733725	1.27E-02	0.00E+00	1.27E-02	2.22E-03
10371	500228.9	3733729	1.31E-02	0.00E+00	1.31E-02	2.29E-03
10372	500220.1	3733732	1.35E-02	0.00E+00	1.35E-02	2.35E-03
10373	500393.9	3733544	6.87E-03	0.00E+00	6.87E-03	1.20E-03
10374	500393.9	3733534	6.89E-03	0.00E+00	6.89E-03	1.20E-03
10375	500393.9	3733524	6.90E-03	0.00E+00	6.90E-03	1.20E-03
10376	500394	3733514	6.92E-03	0.00E+00	6.92E-03	1.21E-03
10377	500394	3733505	6.94E-03	0.00E+00	6.94E-03	1.21E-03
10378	500394	3733495	6.96E-03	0.00E+00	6.96E-03	1.21E-03
10379	500394	3733485	6.98E-03	0.00E+00	6.98E-03	1.22E-03
10380	500394	3733476	7.00E-03	0.00E+00	7.00E-03	1.22E-03

10381	500394	3733466	7.03E-03	0.00E+00	7.03E-03	1.22E-03
10382	500394	3733456	7.06E-03	0.00E+00	7.06E-03	1.23E-03
10383	500394	3733446	7.09E-03	0.00E+00	7.09E-03	1.24E-03
10384	500394	3733437	7.13E-03	0.00E+00	7.13E-03	1.24E-03
10385	500394	3733427	7.17E-03	0.00E+00	7.17E-03	1.25E-03
10386	500394.1	3733417	7.22E-03	0.00E+00	7.22E-03	1.26E-03
10387	500394.1	3733407	7.26E-03	0.00E+00	7.26E-03	1.27E-03
10388	500394.1	3733398	7.31E-03	0.00E+00	7.31E-03	1.27E-03
10389	500394.1	3733388	7.37E-03	0.00E+00	7.37E-03	1.28E-03
10390	500394.1	3733378	7.42E-03	0.00E+00	7.42E-03	1.29E-03
10391	500394.1	3733369	7.48E-03	0.00E+00	7.48E-03	1.30E-03
10392	500394.1	3733359	7.55E-03	0.00E+00	7.55E-03	1.32E-03
10393	500394.1	3733349	7.61E-03	0.00E+00	7.61E-03	1.33E-03
10394	500394.1	3733339	7.68E-03	0.00E+00	7.68E-03	1.34E-03
10395	500394.1	3733330	7.75E-03	0.00E+00	7.75E-03	1.35E-03
10396	500394.2	3733320	7.81E-03	0.00E+00	7.81E-03	1.36E-03
10397	500394.2	3733310	7.88E-03	0.00E+00	7.88E-03	1.37E-03
10398	500394.2	3733300	7.95E-03	0.00E+00	7.95E-03	1.39E-03
10399	500394.2	3733291	8.03E-03	0.00E+00	8.03E-03	1.40E-03
10400	500394.2	3733281	8.10E-03	0.00E+00	8.10E-03	1.41E-03
10401	500394.2	3733271	8.18E-03	0.00E+00	8.18E-03	1.43E-03
10402	500394.2	3733262	8.26E-03	0.00E+00	8.26E-03	1.44E-03
10403	500394.2	3733252	8.33E-03	0.00E+00	8.33E-03	1.45E-03
10404	500394.2	3733242	8.41E-03	0.00E+00	8.41E-03	1.47E-03
10405	500420.4	3733552	6.00E-03	0.00E+00	6.00E-03	1.04E-03
10406	500416.8	3733561	6.10E-03	0.00E+00	6.10E-03	1.06E-03
10407	500413.2	3733569	6.20E-03	0.00E+00	6.20E-03	1.08E-03
10408	500409.7	3733578	6.30E-03	0.00E+00	6.30E-03	1.10E-03
10409	500406.1	3733586	6.40E-03	0.00E+00	6.40E-03	1.11E-03
10410	500402.6	3733595	6.50E-03	0.00E+00	6.50E-03	1.13E-03
10411	500399	3733604	6.60E-03	0.00E+00	6.60E-03	1.15E-03
10412	500395.5	3733612	6.70E-03	0.00E+00	6.70E-03	1.17E-03
10413	500391.9	3733621	6.80E-03	0.00E+00	6.80E-03	1.19E-03
10414	500388.3	3733629	6.90E-03	0.00E+00	6.90E-03	1.20E-03
10415	500384.8	3733638	6.99E-03	0.00E+00	6.99E-03	1.22E-03
10416	500313.5	3733724	9.06E-03	0.00E+00	9.06E-03	1.58E-03
10417	500304.9	3733727	9.37E-03	0.00E+00	9.37E-03	1.63E-03
10418	500296.3	3733731	9.68E-03	0.00E+00	9.68E-03	1.69E-03
10419	500423.9	3733544	5.90E-03	0.00E+00	5.90E-03	1.03E-03
10420	500423.9	3733534	5.90E-03	0.00E+00	5.90E-03	1.03E-03
10421	500423.9	3733524	5.91E-03	0.00E+00	5.91E-03	1.03E-03
10422	500424	3733514	5.92E-03	0.00E+00	5.92E-03	1.03E-03
10423	500424	3733505	5.92E-03	0.00E+00	5.92E-03	1.03E-03
10424	500424	3733495	5.93E-03	0.00E+00	5.93E-03	1.03E-03
10425	500424	3733485	5.94E-03	0.00E+00	5.94E-03	1.04E-03
10426	500424	3733476	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10427	500424	3733466	5.97E-03	0.00E+00	5.97E-03	1.04E-03

10428	500424	3733456	5.99E-03	0.00E+00	5.99E-03	1.04E-03
10429	500424	3733446	6.01E-03	0.00E+00	6.01E-03	1.05E-03
10430	500424	3733437	6.03E-03	0.00E+00	6.03E-03	1.05E-03
10431	500424	3733427	6.06E-03	0.00E+00	6.06E-03	1.06E-03
10432	500424.1	3733417	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10433	500424.1	3733407	6.12E-03	0.00E+00	6.12E-03	1.07E-03
10434	500424.1	3733398	6.16E-03	0.00E+00	6.16E-03	1.07E-03
10435	500424.1	3733388	6.19E-03	0.00E+00	6.19E-03	1.08E-03
10436	500424.1	3733378	6.23E-03	0.00E+00	6.23E-03	1.09E-03
10437	500424.1	3733369	6.28E-03	0.00E+00	6.28E-03	1.09E-03
10438	500424.1	3733359	6.32E-03	0.00E+00	6.32E-03	1.10E-03
10439	500424.1	3733349	6.37E-03	0.00E+00	6.37E-03	1.11E-03
10440	500424.1	3733339	6.43E-03	0.00E+00	6.43E-03	1.12E-03
10441	500424.1	3733330	6.48E-03	0.00E+00	6.48E-03	1.13E-03
10442	500424.2	3733320	6.53E-03	0.00E+00	6.53E-03	1.14E-03
10443	500424.2	3733310	6.59E-03	0.00E+00	6.59E-03	1.15E-03
10444	500424.2	3733301	6.65E-03	0.00E+00	6.65E-03	1.16E-03
10445	500424.2	3733291	6.71E-03	0.00E+00	6.71E-03	1.17E-03
10446	500424.2	3733281	6.78E-03	0.00E+00	6.78E-03	1.18E-03
10447	500424.2	3733271	6.84E-03	0.00E+00	6.84E-03	1.19E-03
10448	500424.2	3733262	6.91E-03	0.00E+00	6.91E-03	1.20E-03
10449	500424.2	3733252	6.98E-03	0.00E+00	6.98E-03	1.22E-03
10450	500424.2	3733242	7.05E-03	0.00E+00	7.05E-03	1.23E-03
10451	500424.2	3733232	7.12E-03	0.00E+00	7.12E-03	1.24E-03
10452	500424.3	3733223	7.19E-03	0.00E+00	7.19E-03	1.25E-03
10453	500424.3	3733213	7.26E-03	0.00E+00	7.26E-03	1.26E-03
10454	500450.3	3733552	5.20E-03	0.00E+00	5.20E-03	9.06E-04
10455	500446.6	3733561	5.29E-03	0.00E+00	5.29E-03	9.21E-04
10456	500443	3733570	5.37E-03	0.00E+00	5.37E-03	9.36E-04
10457	500439.4	3733579	5.46E-03	0.00E+00	5.46E-03	9.52E-04
10458	500435.7	3733587	5.55E-03	0.00E+00	5.55E-03	9.67E-04
10459	500432.1	3733596	5.64E-03	0.00E+00	5.64E-03	9.83E-04
10460	500428.4	3733605	5.73E-03	0.00E+00	5.73E-03	9.99E-04
10461	500424.8	3733614	5.82E-03	0.00E+00	5.82E-03	1.01E-03
10462	500421.2	3733622	5.91E-03	0.00E+00	5.91E-03	1.03E-03
10463	500417.5	3733631	6.00E-03	0.00E+00	6.00E-03	1.05E-03
10464	500413.9	3733640	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10465	500272.3	3733771	9.94E-03	0.00E+00	9.94E-03	1.73E-03
10466	500263.5	3733774	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10467	500254.8	3733778	1.05E-02	0.00E+00	1.05E-02	1.83E-03
10468	500246	3733782	1.07E-02	0.00E+00	1.07E-02	1.87E-03
10469	500237.2	3733785	1.10E-02	0.00E+00	1.10E-02	1.92E-03
10470	500228.5	3733789	1.13E-02	0.00E+00	1.13E-02	1.96E-03
10471	500453.9	3733544	5.11E-03	0.00E+00	5.11E-03	8.91E-04
10472	500453.9	3733534	5.11E-03	0.00E+00	5.11E-03	8.91E-04
10473	500453.9	3733524	5.12E-03	0.00E+00	5.12E-03	8.91E-04
10474	500454	3733514	5.12E-03	0.00E+00	5.12E-03	8.92E-04

10475	500454	3733505	5.12E-03	0.00E+00	5.12E-03	8.92E-04
10476	500454	3733495	5.13E-03	0.00E+00	5.13E-03	8.93E-04
10477	500454	3733485	5.13E-03	0.00E+00	5.13E-03	8.94E-04
10478	500454	3733476	5.14E-03	0.00E+00	5.14E-03	8.95E-04
10479	500454	3733466	5.15E-03	0.00E+00	5.15E-03	8.97E-04
10480	500454	3733456	5.16E-03	0.00E+00	5.16E-03	8.98E-04
10481	500454	3733446	5.17E-03	0.00E+00	5.17E-03	9.01E-04
10482	500454	3733437	5.18E-03	0.00E+00	5.18E-03	9.03E-04
10483	500454	3733427	5.20E-03	0.00E+00	5.20E-03	9.06E-04
10484	500454.1	3733417	5.22E-03	0.00E+00	5.22E-03	9.10E-04
10485	500454.1	3733408	5.24E-03	0.00E+00	5.24E-03	9.13E-04
10486	500454.1	3733398	5.27E-03	0.00E+00	5.27E-03	9.18E-04
10487	500454.1	3733388	5.29E-03	0.00E+00	5.29E-03	9.22E-04
10488	500454.1	3733378	5.32E-03	0.00E+00	5.32E-03	9.28E-04
10489	500454.1	3733369	5.36E-03	0.00E+00	5.36E-03	9.33E-04
10490	500454.1	3733359	5.39E-03	0.00E+00	5.39E-03	9.39E-04
10491	500454.1	3733349	5.43E-03	0.00E+00	5.43E-03	9.46E-04
10492	500454.1	3733339	5.47E-03	0.00E+00	5.47E-03	9.53E-04
10493	500454.1	3733330	5.51E-03	0.00E+00	5.51E-03	9.60E-04
10494	500454.2	3733320	5.56E-03	0.00E+00	5.56E-03	9.68E-04
10495	500454.2	3733310	5.60E-03	0.00E+00	5.60E-03	9.76E-04
10496	500454.2	3733301	5.65E-03	0.00E+00	5.65E-03	9.85E-04
10497	500454.2	3733291	5.70E-03	0.00E+00	5.70E-03	9.94E-04
10498	500454.2	3733281	5.76E-03	0.00E+00	5.76E-03	1.00E-03
10499	500454.2	3733271	5.82E-03	0.00E+00	5.82E-03	1.01E-03
10500	500454.2	3733262	5.87E-03	0.00E+00	5.87E-03	1.02E-03
10501	500454.2	3733252	5.93E-03	0.00E+00	5.93E-03	1.03E-03
10502	500454.2	3733242	5.99E-03	0.00E+00	5.99E-03	1.04E-03
10503	500454.2	3733232	6.05E-03	0.00E+00	6.05E-03	1.05E-03
10504	500480.2	3733553	4.55E-03	0.00E+00	4.55E-03	7.93E-04
10505	500476.5	3733562	4.63E-03	0.00E+00	4.63E-03	8.06E-04
10506	500472.8	3733570	4.70E-03	0.00E+00	4.70E-03	8.19E-04
10507	500469.1	3733579	4.78E-03	0.00E+00	4.78E-03	8.33E-04
10508	500465.4	3733588	4.86E-03	0.00E+00	4.86E-03	8.46E-04
10509	500461.7	3733597	4.94E-03	0.00E+00	4.94E-03	8.60E-04
10510	500458	3733606	5.02E-03	0.00E+00	5.02E-03	8.74E-04
10511	500454.3	3733615	5.10E-03	0.00E+00	5.10E-03	8.88E-04
10512	500450.6	3733624	5.18E-03	0.00E+00	5.18E-03	9.02E-04
10513	500446.9	3733633	5.26E-03	0.00E+00	5.26E-03	9.16E-04
10514	500443.2	3733642	5.33E-03	0.00E+00	5.33E-03	9.29E-04
10515	500439.4	3733651	5.41E-03	0.00E+00	5.41E-03	9.43E-04
10516	500435.7	3733660	5.49E-03	0.00E+00	5.49E-03	9.56E-04
10517	500432	3733669	5.56E-03	0.00E+00	5.56E-03	9.69E-04
10518	500428.3	3733677	5.64E-03	0.00E+00	5.64E-03	9.82E-04
10519	500424.6	3733686	5.71E-03	0.00E+00	5.71E-03	9.95E-04
10520	500345.1	3733771	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10521	500336.2	3733775	7.67E-03	0.00E+00	7.67E-03	1.34E-03

10522	500327.3	3733778	7.90E-03	0.00E+00	7.90E-03	1.38E-03
10523	500318.3	3733782	8.14E-03	0.00E+00	8.14E-03	1.42E-03
10524	500309.4	3733786	8.37E-03	0.00E+00	8.37E-03	1.46E-03
10525	500300.5	3733789	8.61E-03	0.00E+00	8.61E-03	1.50E-03
10526	500291.6	3733793	8.85E-03	0.00E+00	8.85E-03	1.54E-03
10527	500282.6	3733797	9.09E-03	0.00E+00	9.09E-03	1.58E-03
10528	500273.7	3733800	9.32E-03	0.00E+00	9.32E-03	1.62E-03
10529	500264.8	3733804	9.56E-03	0.00E+00	9.56E-03	1.67E-03
10530	500255.8	3733808	9.79E-03	0.00E+00	9.79E-03	1.71E-03
10531	500246.9	3733811	1.00E-02	0.00E+00	1.00E-02	1.75E-03
10532	500238	3733815	1.02E-02	0.00E+00	1.02E-02	1.78E-03
10533	500229.1	3733819	1.05E-02	0.00E+00	1.05E-02	1.82E-03
10534	500483.9	3733544	4.48E-03	0.00E+00	4.48E-03	7.80E-04
10535	500483.9	3733534	4.47E-03	0.00E+00	4.47E-03	7.80E-04
10536	500483.9	3733524	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10537	500484	3733515	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10538	500484	3733505	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10539	500484	3733495	4.47E-03	0.00E+00	4.47E-03	7.80E-04
10540	500484	3733485	4.48E-03	0.00E+00	4.48E-03	7.80E-04
10541	500484	3733476	4.48E-03	0.00E+00	4.48E-03	7.81E-04
10542	500484	3733466	4.48E-03	0.00E+00	4.48E-03	7.81E-04
10543	500484	3733456	4.49E-03	0.00E+00	4.49E-03	7.82E-04
10544	500484	3733446	4.50E-03	0.00E+00	4.50E-03	7.84E-04
10545	500484	3733437	4.51E-03	0.00E+00	4.51E-03	7.85E-04
10546	500484	3733427	4.52E-03	0.00E+00	4.52E-03	7.87E-04
10547	500484.1	3733417	4.53E-03	0.00E+00	4.53E-03	7.90E-04
10548	500484.1	3733408	4.55E-03	0.00E+00	4.55E-03	7.93E-04
10549	500484.1	3733398	4.57E-03	0.00E+00	4.57E-03	7.96E-04
10550	500484.1	3733388	4.59E-03	0.00E+00	4.59E-03	7.99E-04
10551	500484.1	3733378	4.61E-03	0.00E+00	4.61E-03	8.03E-04
10552	500484.1	3733369	4.64E-03	0.00E+00	4.64E-03	8.08E-04
10553	500484.1	3733359	4.66E-03	0.00E+00	4.66E-03	8.12E-04
10554	500484.1	3733349	4.69E-03	0.00E+00	4.69E-03	8.17E-04
10555	500484.1	3733339	4.72E-03	0.00E+00	4.72E-03	8.23E-04
10556	500484.1	3733330	4.76E-03	0.00E+00	4.76E-03	8.29E-04
10557	500484.2	3733320	4.79E-03	0.00E+00	4.79E-03	8.35E-04
10558	500484.2	3733310	4.83E-03	0.00E+00	4.83E-03	8.42E-04
10559	500484.2	3733301	4.87E-03	0.00E+00	4.87E-03	8.49E-04
10560	500484.2	3733291	4.92E-03	0.00E+00	4.92E-03	8.57E-04
10561	500484.2	3733281	4.96E-03	0.00E+00	4.96E-03	8.65E-04
10562	500484.2	3733271	5.01E-03	0.00E+00	5.01E-03	8.73E-04
10563	500484.2	3733262	5.06E-03	0.00E+00	5.06E-03	8.82E-04
10564	500484.2	3733252	5.11E-03	0.00E+00	5.11E-03	8.90E-04
10565	500484.2	3733242	5.16E-03	0.00E+00	5.16E-03	8.99E-04
10566	500510.3	3733552	4.02E-03	0.00E+00	4.02E-03	7.00E-04
10567	500506.7	3733561	4.08E-03	0.00E+00	4.08E-03	7.11E-04
10568	500503.1	3733570	4.14E-03	0.00E+00	4.14E-03	7.22E-04

10569	500499.5	3733579	4.21E-03	0.00E+00	4.21E-03	7.33E-04
10570	500495.8	3733587	4.27E-03	0.00E+00	4.27E-03	7.44E-04
10571	500492.2	3733596	4.34E-03	0.00E+00	4.34E-03	7.56E-04
10572	500488.6	3733605	4.41E-03	0.00E+00	4.41E-03	7.68E-04
10573	500485	3733613	4.47E-03	0.00E+00	4.47E-03	7.79E-04
10574	500481.4	3733622	4.54E-03	0.00E+00	4.54E-03	7.91E-04
10575	500477.7	3733631	4.61E-03	0.00E+00	4.61E-03	8.03E-04
10576	500474.1	3733639	4.68E-03	0.00E+00	4.68E-03	8.15E-04
10577	500470.5	3733648	4.74E-03	0.00E+00	4.74E-03	8.27E-04
10578	500466.9	3733657	4.81E-03	0.00E+00	4.81E-03	8.38E-04
10579	500463.3	3733666	4.88E-03	0.00E+00	4.88E-03	8.50E-04
10580	500459.7	3733674	4.94E-03	0.00E+00	4.94E-03	8.61E-04
10581	500456	3733683	5.01E-03	0.00E+00	5.01E-03	8.73E-04
10582	500452.4	3733692	5.07E-03	0.00E+00	5.07E-03	8.84E-04
10583	500448.8	3733700	5.13E-03	0.00E+00	5.13E-03	8.94E-04
10584	500445.2	3733709	5.19E-03	0.00E+00	5.19E-03	9.05E-04
10585	500441.6	3733718	5.25E-03	0.00E+00	5.25E-03	9.15E-04
10586	500437.9	3733727	5.31E-03	0.00E+00	5.31E-03	9.25E-04
10587	500411.1	3733774	5.73E-03	0.00E+00	5.73E-03	9.98E-04
10588	500402.4	3733777	5.91E-03	0.00E+00	5.91E-03	1.03E-03
10589	500393.7	3733781	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10590	500385	3733784	6.27E-03	0.00E+00	6.27E-03	1.09E-03
10591	500376.3	3733788	6.46E-03	0.00E+00	6.46E-03	1.13E-03
10592	500367.6	3733792	6.65E-03	0.00E+00	6.65E-03	1.16E-03
10593	500358.9	3733795	6.84E-03	0.00E+00	6.84E-03	1.19E-03
10594	500350.1	3733799	7.04E-03	0.00E+00	7.04E-03	1.23E-03
10595	500341.4	3733802	7.24E-03	0.00E+00	7.24E-03	1.26E-03
10596	500332.7	3733806	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10597	500324	3733810	7.64E-03	0.00E+00	7.64E-03	1.33E-03
10598	500315.3	3733813	7.84E-03	0.00E+00	7.84E-03	1.37E-03
10599	500306.6	3733817	8.04E-03	0.00E+00	8.04E-03	1.40E-03
10600	500297.9	3733820	8.24E-03	0.00E+00	8.24E-03	1.44E-03
10601	500289.1	3733824	8.44E-03	0.00E+00	8.44E-03	1.47E-03
10602	500280.4	3733827	8.64E-03	0.00E+00	8.64E-03	1.51E-03
10603	500271.7	3733831	8.84E-03	0.00E+00	8.84E-03	1.54E-03
10604	500263	3733835	9.03E-03	0.00E+00	9.03E-03	1.57E-03
10605	500254.3	3733838	9.22E-03	0.00E+00	9.22E-03	1.61E-03
10606	500245.6	3733842	9.41E-03	0.00E+00	9.41E-03	1.64E-03
10607	500236.9	3733845	9.59E-03	0.00E+00	9.59E-03	1.67E-03
10608	500228.1	3733849	9.77E-03	0.00E+00	9.77E-03	1.70E-03
10609	500219.4	3733853	9.94E-03	0.00E+00	9.94E-03	1.73E-03
10610	500513.9	3733544	3.96E-03	0.00E+00	3.96E-03	6.89E-04
10611	500513.9	3733534	3.95E-03	0.00E+00	3.95E-03	6.89E-04
10612	500513.9	3733524	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10613	500514	3733515	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10614	500514	3733505	3.94E-03	0.00E+00	3.94E-03	6.87E-04
10615	500514	3733495	3.94E-03	0.00E+00	3.94E-03	6.87E-04

10616	500514	3733485	3.94E-03	0.00E+00	3.94E-03	6.87E-04
10617	500514	3733476	3.95E-03	0.00E+00	3.95E-03	6.87E-04
10618	500514	3733466	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10619	500514	3733456	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10620	500514	3733446	3.96E-03	0.00E+00	3.96E-03	6.89E-04
10621	500514	3733437	3.96E-03	0.00E+00	3.96E-03	6.90E-04
10622	500514	3733427	3.97E-03	0.00E+00	3.97E-03	6.92E-04
10623	500514.1	3733417	3.98E-03	0.00E+00	3.98E-03	6.94E-04
10624	500514.1	3733408	3.99E-03	0.00E+00	3.99E-03	6.96E-04
10625	500514.1	3733398	4.01E-03	0.00E+00	4.01E-03	6.98E-04
10626	500514.1	3733388	4.02E-03	0.00E+00	4.02E-03	7.01E-04
10627	500514.1	3733378	4.04E-03	0.00E+00	4.04E-03	7.04E-04
10628	500514.1	3733369	4.06E-03	0.00E+00	4.06E-03	7.07E-04
10629	500514.1	3733359	4.08E-03	0.00E+00	4.08E-03	7.11E-04
10630	500514.1	3733349	4.11E-03	0.00E+00	4.11E-03	7.15E-04
10631	500514.1	3733340	4.13E-03	0.00E+00	4.13E-03	7.20E-04
10632	500514.1	3733330	4.16E-03	0.00E+00	4.16E-03	7.25E-04
10633	500514.2	3733320	4.19E-03	0.00E+00	4.19E-03	7.30E-04
10634	500514.2	3733310	4.22E-03	0.00E+00	4.22E-03	7.36E-04
10635	500514.2	3733301	4.26E-03	0.00E+00	4.26E-03	7.41E-04
10636	500514.2	3733291	4.29E-03	0.00E+00	4.29E-03	7.48E-04
10637	500514.2	3733281	4.33E-03	0.00E+00	4.33E-03	7.54E-04
10638	500514.2	3733271	4.37E-03	0.00E+00	4.37E-03	7.61E-04
10639	500514.2	3733262	4.41E-03	0.00E+00	4.41E-03	7.68E-04
10640	500514.2	3733252	4.45E-03	0.00E+00	4.45E-03	7.76E-04
10641	500514.3	3733213	4.64E-03	0.00E+00	4.64E-03	8.08E-04
10642	500514.3	3733203	4.69E-03	0.00E+00	4.69E-03	8.17E-04
10643	500540.3	3733553	3.58E-03	0.00E+00	3.58E-03	6.23E-04
10644	500536.6	3733561	3.63E-03	0.00E+00	3.63E-03	6.32E-04
10645	500532.9	3733570	3.68E-03	0.00E+00	3.68E-03	6.42E-04
10646	500529.2	3733579	3.74E-03	0.00E+00	3.74E-03	6.52E-04
10647	500525.6	3733588	3.80E-03	0.00E+00	3.80E-03	6.62E-04
10648	500521.9	3733597	3.86E-03	0.00E+00	3.86E-03	6.72E-04
10649	500518.2	3733606	3.91E-03	0.00E+00	3.91E-03	6.82E-04
10650	500514.5	3733614	3.97E-03	0.00E+00	3.97E-03	6.92E-04
10651	500510.9	3733623	4.03E-03	0.00E+00	4.03E-03	7.03E-04
10652	500507.2	3733632	4.09E-03	0.00E+00	4.09E-03	7.13E-04
10653	500503.5	3733641	4.15E-03	0.00E+00	4.15E-03	7.24E-04
10654	500499.8	3733650	4.21E-03	0.00E+00	4.21E-03	7.34E-04
10655	500496.2	3733659	4.28E-03	0.00E+00	4.28E-03	7.45E-04
10656	500492.5	3733668	4.34E-03	0.00E+00	4.34E-03	7.56E-04
10657	500488.8	3733676	4.40E-03	0.00E+00	4.40E-03	7.66E-04
10658	500485.1	3733685	4.46E-03	0.00E+00	4.46E-03	7.77E-04
10659	500481.5	3733694	4.52E-03	0.00E+00	4.52E-03	7.87E-04
10660	500477.8	3733703	4.57E-03	0.00E+00	4.57E-03	7.97E-04
10661	500474.1	3733712	4.63E-03	0.00E+00	4.63E-03	8.07E-04
10662	500470.4	3733721	4.69E-03	0.00E+00	4.69E-03	8.16E-04

10663	500448.4	3733774	4.98E-03	0.00E+00	4.98E-03	8.69E-04
10664	500444.7	3733782	5.03E-03	0.00E+00	5.03E-03	8.76E-04
10665	500432.2	3733795	5.22E-03	0.00E+00	5.22E-03	9.10E-04
10666	500423.3	3733799	5.38E-03	0.00E+00	5.38E-03	9.37E-04
10667	500414.5	3733802	5.54E-03	0.00E+00	5.54E-03	9.64E-04
10668	500405.6	3733806	5.70E-03	0.00E+00	5.70E-03	9.93E-04
10669	500396.8	3733810	5.86E-03	0.00E+00	5.86E-03	1.02E-03
10670	500387.9	3733813	6.03E-03	0.00E+00	6.03E-03	1.05E-03
10671	500379.1	3733817	6.20E-03	0.00E+00	6.20E-03	1.08E-03
10672	500370.2	3733820	6.37E-03	0.00E+00	6.37E-03	1.11E-03
10673	500361.4	3733824	6.55E-03	0.00E+00	6.55E-03	1.14E-03
10674	500352.5	3733828	6.73E-03	0.00E+00	6.73E-03	1.17E-03
10675	500343.7	3733831	6.90E-03	0.00E+00	6.90E-03	1.20E-03
10676	500334.8	3733835	7.08E-03	0.00E+00	7.08E-03	1.23E-03
10677	500326	3733839	7.26E-03	0.00E+00	7.26E-03	1.27E-03
10678	500317.1	3733842	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10679	500308.3	3733846	7.62E-03	0.00E+00	7.62E-03	1.33E-03
10680	500299.4	3733850	7.79E-03	0.00E+00	7.79E-03	1.36E-03
10681	500290.6	3733853	7.97E-03	0.00E+00	7.97E-03	1.39E-03
10682	500281.7	3733857	8.14E-03	0.00E+00	8.14E-03	1.42E-03
10683	500272.9	3733861	8.32E-03	0.00E+00	8.32E-03	1.45E-03
10684	500264	3733864	8.48E-03	0.00E+00	8.48E-03	1.48E-03
10685	500255.2	3733868	8.65E-03	0.00E+00	8.65E-03	1.51E-03
10686	500246.3	3733872	8.81E-03	0.00E+00	8.81E-03	1.54E-03
10687	500237.5	3733875	8.97E-03	0.00E+00	8.97E-03	1.56E-03
10688	500228.6	3733879	9.12E-03	0.00E+00	9.12E-03	1.59E-03
10689	500219.8	3733882	9.27E-03	0.00E+00	9.27E-03	1.62E-03
10690	500543.9	3733544	3.52E-03	0.00E+00	3.52E-03	6.14E-04
10691	500543.9	3733534	3.52E-03	0.00E+00	3.52E-03	6.13E-04
10692	500543.9	3733524	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10693	500544	3733515	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10694	500544	3733505	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10695	500544	3733495	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10696	500544	3733485	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10697	500544	3733476	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10698	500544	3733466	3.51E-03	0.00E+00	3.51E-03	6.11E-04
10699	500544	3733456	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10700	500544	3733447	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10701	500544	3733437	3.52E-03	0.00E+00	3.52E-03	6.13E-04
10702	500544	3733427	3.52E-03	0.00E+00	3.52E-03	6.14E-04
10703	500544.1	3733417	3.53E-03	0.00E+00	3.53E-03	6.15E-04
10704	500544.1	3733408	3.54E-03	0.00E+00	3.54E-03	6.17E-04
10705	500544.1	3733398	3.55E-03	0.00E+00	3.55E-03	6.19E-04
10706	500544.1	3733388	3.56E-03	0.00E+00	3.56E-03	6.21E-04
10707	500544.1	3733378	3.58E-03	0.00E+00	3.58E-03	6.23E-04
10708	500544.1	3733369	3.59E-03	0.00E+00	3.59E-03	6.26E-04
10709	500544.1	3733359	3.61E-03	0.00E+00	3.61E-03	6.29E-04

10710	500544.1	3733349	3.63E-03	0.00E+00	3.63E-03	6.33E-04
10711	500544.1	3733340	3.65E-03	0.00E+00	3.65E-03	6.36E-04
10712	500544.1	3733330	3.68E-03	0.00E+00	3.68E-03	6.40E-04
10713	500544.2	3733320	3.70E-03	0.00E+00	3.70E-03	6.45E-04
10714	500544.2	3733310	3.73E-03	0.00E+00	3.73E-03	6.49E-04
10715	500544.2	3733301	3.75E-03	0.00E+00	3.75E-03	6.54E-04
10716	500544.2	3733291	3.78E-03	0.00E+00	3.78E-03	6.59E-04
10717	500544.2	3733281	3.82E-03	0.00E+00	3.82E-03	6.65E-04
10718	500544.2	3733271	3.85E-03	0.00E+00	3.85E-03	6.71E-04
10719	500544.3	3733223	4.04E-03	0.00E+00	4.04E-03	7.04E-04
10720	500544.3	3733213	4.08E-03	0.00E+00	4.08E-03	7.11E-04
10721	500544.3	3733203	4.12E-03	0.00E+00	4.12E-03	7.18E-04
10722	500570.2	3733553	3.20E-03	0.00E+00	3.20E-03	5.58E-04
10723	500566.5	3733562	3.25E-03	0.00E+00	3.25E-03	5.66E-04
10724	500562.8	3733571	3.30E-03	0.00E+00	3.30E-03	5.75E-04
10725	500559	3733580	3.35E-03	0.00E+00	3.35E-03	5.83E-04
10726	500555.3	3733589	3.40E-03	0.00E+00	3.40E-03	5.92E-04
10727	500551.6	3733598	3.45E-03	0.00E+00	3.45E-03	6.01E-04
10728	500547.9	3733606	3.50E-03	0.00E+00	3.50E-03	6.10E-04
10729	500544.1	3733615	3.55E-03	0.00E+00	3.55E-03	6.19E-04
10730	500540.4	3733624	3.61E-03	0.00E+00	3.61E-03	6.28E-04
10731	500536.7	3733633	3.66E-03	0.00E+00	3.66E-03	6.38E-04
10732	500533	3733642	3.71E-03	0.00E+00	3.71E-03	6.47E-04
10733	500529.2	3733651	3.77E-03	0.00E+00	3.77E-03	6.56E-04
10734	500525.5	3733660	3.82E-03	0.00E+00	3.82E-03	6.66E-04
10735	500521.8	3733669	3.88E-03	0.00E+00	3.88E-03	6.75E-04
10736	500518.1	3733678	3.93E-03	0.00E+00	3.93E-03	6.85E-04
10737	500514.3	3733687	3.99E-03	0.00E+00	3.99E-03	6.95E-04
10738	500510.6	3733696	4.04E-03	0.00E+00	4.04E-03	7.04E-04
10739	500506.9	3733705	4.09E-03	0.00E+00	4.09E-03	7.13E-04
10740	500503.2	3733714	4.15E-03	0.00E+00	4.15E-03	7.22E-04
10741	500499.5	3733723	4.20E-03	0.00E+00	4.20E-03	7.31E-04
10742	500480.8	3733768	4.44E-03	0.00E+00	4.44E-03	7.74E-04
10743	500477.1	3733777	4.48E-03	0.00E+00	4.48E-03	7.81E-04
10744	500473.4	3733786	4.53E-03	0.00E+00	4.53E-03	7.89E-04
10745	500469.7	3733795	4.57E-03	0.00E+00	4.57E-03	7.96E-04
10746	500465.9	3733804	4.61E-03	0.00E+00	4.61E-03	8.03E-04
10747	500453.3	3733816	4.78E-03	0.00E+00	4.78E-03	8.33E-04
10748	500444.3	3733820	4.92E-03	0.00E+00	4.92E-03	8.57E-04
10749	500435.3	3733824	5.06E-03	0.00E+00	5.06E-03	8.82E-04
10750	500426.3	3733827	5.20E-03	0.00E+00	5.20E-03	9.07E-04
10751	500417.4	3733831	5.35E-03	0.00E+00	5.35E-03	9.32E-04
10752	500408.4	3733835	5.50E-03	0.00E+00	5.50E-03	9.58E-04
10753	500399.4	3733838	5.65E-03	0.00E+00	5.65E-03	9.85E-04
10754	500390.5	3733842	5.80E-03	0.00E+00	5.80E-03	1.01E-03
10755	500381.5	3733846	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10756	500372.5	3733849	6.11E-03	0.00E+00	6.11E-03	1.07E-03

10757	500363.6	3733853	6.27E-03	0.00E+00	6.27E-03	1.09E-03
10758	500354.6	3733857	6.43E-03	0.00E+00	6.43E-03	1.12E-03
10759	500345.6	3733861	6.59E-03	0.00E+00	6.59E-03	1.15E-03
10760	500336.7	3733864	6.75E-03	0.00E+00	6.75E-03	1.18E-03
10761	500327.7	3733868	6.91E-03	0.00E+00	6.91E-03	1.20E-03
10762	500318.7	3733872	7.07E-03	0.00E+00	7.07E-03	1.23E-03
10763	500309.8	3733875	7.23E-03	0.00E+00	7.23E-03	1.26E-03
10764	500300.8	3733879	7.38E-03	0.00E+00	7.38E-03	1.29E-03
10765	500291.8	3733883	7.54E-03	0.00E+00	7.54E-03	1.31E-03
10766	500282.9	3733886	7.69E-03	0.00E+00	7.69E-03	1.34E-03
10767	500273.9	3733890	7.84E-03	0.00E+00	7.84E-03	1.37E-03
10768	500264.9	3733894	7.99E-03	0.00E+00	7.99E-03	1.39E-03
10769	500256	3733898	8.13E-03	0.00E+00	8.13E-03	1.42E-03
10770	500247	3733901	8.27E-03	0.00E+00	8.27E-03	1.44E-03
10771	500238	3733905	8.41E-03	0.00E+00	8.41E-03	1.47E-03
10772	500229	3733909	8.54E-03	0.00E+00	8.54E-03	1.49E-03
10773	500220.1	3733912	8.67E-03	0.00E+00	8.67E-03	1.51E-03
10774	500573.9	3733544	3.16E-03	0.00E+00	3.16E-03	5.50E-04
10775	500573.9	3733534	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10776	500573.9	3733524	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10777	500574	3733515	3.15E-03	0.00E+00	3.15E-03	5.48E-04
10778	500574	3733505	3.14E-03	0.00E+00	3.14E-03	5.48E-04
10779	500574	3733495	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10780	500574	3733485	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10781	500574	3733476	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10782	500574	3733466	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10783	500574	3733456	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10784	500574	3733447	3.14E-03	0.00E+00	3.14E-03	5.48E-04
10785	500574	3733437	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10786	500574	3733427	3.15E-03	0.00E+00	3.15E-03	5.49E-04
10787	500574.1	3733417	3.16E-03	0.00E+00	3.16E-03	5.51E-04
10788	500574.1	3733408	3.17E-03	0.00E+00	3.17E-03	5.52E-04
10789	500574.1	3733398	3.18E-03	0.00E+00	3.18E-03	5.53E-04
10790	500574.1	3733388	3.19E-03	0.00E+00	3.19E-03	5.55E-04
10791	500574.1	3733378	3.20E-03	0.00E+00	3.20E-03	5.57E-04
10792	500574.1	3733369	3.21E-03	0.00E+00	3.21E-03	5.59E-04
10793	500574.1	3733359	3.22E-03	0.00E+00	3.22E-03	5.62E-04
10794	500574.1	3733349	3.24E-03	0.00E+00	3.24E-03	5.65E-04
10795	500574.1	3733340	3.26E-03	0.00E+00	3.26E-03	5.68E-04
10796	500574.1	3733330	3.28E-03	0.00E+00	3.28E-03	5.71E-04
10797	500574.2	3733320	3.30E-03	0.00E+00	3.30E-03	5.75E-04
10798	500574.2	3733310	3.32E-03	0.00E+00	3.32E-03	5.78E-04
10799	500574.2	3733301	3.34E-03	0.00E+00	3.34E-03	5.83E-04
10800	500574.2	3733291	3.37E-03	0.00E+00	3.37E-03	5.87E-04
10801	500574.2	3733281	3.40E-03	0.00E+00	3.40E-03	5.92E-04
10802	500574.2	3733233	3.55E-03	0.00E+00	3.55E-03	6.18E-04
10803	500574.3	3733223	3.58E-03	0.00E+00	3.58E-03	6.24E-04

10804	500574.3	3733213	3.62E-03	0.00E+00	3.62E-03	6.31E-04
10805	500574.3	3733203	3.66E-03	0.00E+00	3.66E-03	6.37E-04
10806	500596.6	3733561	2.93E-03	0.00E+00	2.93E-03	5.10E-04
10807	500593	3733570	2.97E-03	0.00E+00	2.97E-03	5.17E-04
10808	500589.3	3733579	3.01E-03	0.00E+00	3.01E-03	5.24E-04
10809	500585.7	3733588	3.05E-03	0.00E+00	3.05E-03	5.32E-04
10810	500582	3733597	3.10E-03	0.00E+00	3.10E-03	5.39E-04
10811	500578.4	3733605	3.14E-03	0.00E+00	3.14E-03	5.47E-04
10812	500574.7	3733614	3.18E-03	0.00E+00	3.18E-03	5.55E-04
10813	500571.1	3733623	3.23E-03	0.00E+00	3.23E-03	5.63E-04
10814	500567.4	3733632	3.28E-03	0.00E+00	3.28E-03	5.71E-04
10815	500563.8	3733640	3.32E-03	0.00E+00	3.32E-03	5.79E-04
10816	500560.1	3733649	3.37E-03	0.00E+00	3.37E-03	5.87E-04
10817	500556.4	3733658	3.42E-03	0.00E+00	3.42E-03	5.95E-04
10818	500552.8	3733667	3.46E-03	0.00E+00	3.46E-03	6.03E-04
10819	500549.1	3733676	3.51E-03	0.00E+00	3.51E-03	6.12E-04
10820	500545.5	3733684	3.56E-03	0.00E+00	3.56E-03	6.20E-04
10821	500541.8	3733693	3.61E-03	0.00E+00	3.61E-03	6.28E-04
10822	500538.2	3733702	3.65E-03	0.00E+00	3.65E-03	6.37E-04
10823	500534.5	3733711	3.70E-03	0.00E+00	3.70E-03	6.45E-04
10824	500530.9	3733720	3.75E-03	0.00E+00	3.75E-03	6.53E-04
10825	500509	3733772	4.01E-03	0.00E+00	4.01E-03	6.99E-04
10826	500505.3	3733781	4.06E-03	0.00E+00	4.06E-03	7.07E-04
10827	500501.7	3733790	4.10E-03	0.00E+00	4.10E-03	7.14E-04
10828	500498	3733799	4.13E-03	0.00E+00	4.13E-03	7.20E-04
10829	500494.4	3733807	4.17E-03	0.00E+00	4.17E-03	7.27E-04
10830	500490.7	3733816	4.21E-03	0.00E+00	4.21E-03	7.33E-04
10831	500487.1	3733825	4.24E-03	0.00E+00	4.24E-03	7.39E-04
10832	500474.6	3733837	4.39E-03	0.00E+00	4.39E-03	7.65E-04
10833	500465.8	3733841	4.51E-03	0.00E+00	4.51E-03	7.86E-04
10834	500457	3733845	4.63E-03	0.00E+00	4.63E-03	8.08E-04
10835	500448.2	3733848	4.76E-03	0.00E+00	4.76E-03	8.29E-04
10836	500439.4	3733852	4.89E-03	0.00E+00	4.89E-03	8.51E-04
10837	500430.6	3733856	5.01E-03	0.00E+00	5.01E-03	8.74E-04
10838	500421.8	3733859	5.14E-03	0.00E+00	5.14E-03	8.96E-04
10839	500413	3733863	5.28E-03	0.00E+00	5.28E-03	9.19E-04
10840	500404.2	3733866	5.41E-03	0.00E+00	5.41E-03	9.43E-04
10841	500395.4	3733870	5.55E-03	0.00E+00	5.55E-03	9.66E-04
10842	500386.6	3733874	5.68E-03	0.00E+00	5.68E-03	9.90E-04
10843	500377.8	3733877	5.82E-03	0.00E+00	5.82E-03	1.01E-03
10844	500369	3733881	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10845	500360.3	3733885	6.09E-03	0.00E+00	6.09E-03	1.06E-03
10846	500351.5	3733888	6.23E-03	0.00E+00	6.23E-03	1.09E-03
10847	500342.7	3733892	6.37E-03	0.00E+00	6.37E-03	1.11E-03
10848	500333.9	3733895	6.51E-03	0.00E+00	6.51E-03	1.13E-03
10849	500325.1	3733899	6.64E-03	0.00E+00	6.64E-03	1.16E-03
10850	500316.3	3733903	6.78E-03	0.00E+00	6.78E-03	1.18E-03

10851	500307.5	3733906	6.92E-03	0.00E+00	6.92E-03	1.21E-03
10852	500298.7	3733910	7.05E-03	0.00E+00	7.05E-03	1.23E-03
10853	500289.9	3733914	7.18E-03	0.00E+00	7.18E-03	1.25E-03
10854	500281.1	3733917	7.31E-03	0.00E+00	7.31E-03	1.27E-03
10855	500272.3	3733921	7.44E-03	0.00E+00	7.44E-03	1.30E-03
10856	500263.5	3733924	7.56E-03	0.00E+00	7.56E-03	1.32E-03
10857	500254.7	3733928	7.69E-03	0.00E+00	7.69E-03	1.34E-03
10858	500245.9	3733932	7.80E-03	0.00E+00	7.80E-03	1.36E-03
10859	500237.1	3733935	7.92E-03	0.00E+00	7.92E-03	1.38E-03
10860	500228.3	3733939	8.03E-03	0.00E+00	8.03E-03	1.40E-03
10861	500219.5	3733943	8.14E-03	0.00E+00	8.14E-03	1.42E-03
10862	500604.2	3733252	3.12E-03	0.00E+00	3.12E-03	5.43E-04
10863	500604.2	3733242	3.15E-03	0.00E+00	3.15E-03	5.48E-04
10864	500604.2	3733233	3.17E-03	0.00E+00	3.17E-03	5.53E-04
10865	500604.3	3733223	3.20E-03	0.00E+00	3.20E-03	5.58E-04
10866	500604.3	3733213	3.24E-03	0.00E+00	3.24E-03	5.64E-04
10867	500604.3	3733203	3.27E-03	0.00E+00	3.27E-03	5.69E-04
10868	500630.2	3733553	2.62E-03	0.00E+00	2.62E-03	4.56E-04
10869	500626.5	3733562	2.65E-03	0.00E+00	2.65E-03	4.62E-04
10870	500622.8	3733571	2.69E-03	0.00E+00	2.69E-03	4.69E-04
10871	500619.1	3733579	2.73E-03	0.00E+00	2.73E-03	4.75E-04
10872	500597	3733633	2.96E-03	0.00E+00	2.96E-03	5.16E-04
10873	500593.3	3733642	3.00E-03	0.00E+00	3.00E-03	5.23E-04
10874	500589.6	3733651	3.04E-03	0.00E+00	3.04E-03	5.31E-04
10875	500585.9	3733659	3.09E-03	0.00E+00	3.09E-03	5.38E-04
10876	500582.2	3733668	3.13E-03	0.00E+00	3.13E-03	5.45E-04
10877	500578.5	3733677	3.17E-03	0.00E+00	3.17E-03	5.53E-04
10878	500574.8	3733686	3.21E-03	0.00E+00	3.21E-03	5.60E-04
10879	500571.1	3733695	3.26E-03	0.00E+00	3.26E-03	5.68E-04
10880	500567.4	3733704	3.30E-03	0.00E+00	3.30E-03	5.75E-04
10881	500563.7	3733713	3.34E-03	0.00E+00	3.34E-03	5.83E-04
10882	500560	3733722	3.39E-03	0.00E+00	3.39E-03	5.90E-04
10883	500537.8	3733775	3.63E-03	0.00E+00	3.63E-03	6.33E-04
10884	500534.1	3733784	3.67E-03	0.00E+00	3.67E-03	6.40E-04
10885	500530.5	3733793	3.71E-03	0.00E+00	3.71E-03	6.47E-04
10886	500526.8	3733802	3.75E-03	0.00E+00	3.75E-03	6.53E-04
10887	500523.1	3733811	3.79E-03	0.00E+00	3.79E-03	6.60E-04
10888	500519.4	3733819	3.82E-03	0.00E+00	3.82E-03	6.66E-04
10889	500515.7	3733828	3.85E-03	0.00E+00	3.85E-03	6.72E-04
10890	500512	3733837	3.89E-03	0.00E+00	3.89E-03	6.77E-04
10891	500508.3	3733846	3.92E-03	0.00E+00	3.92E-03	6.83E-04
10892	500495.7	3733859	4.06E-03	0.00E+00	4.06E-03	7.07E-04
10893	500486.8	3733862	4.16E-03	0.00E+00	4.16E-03	7.25E-04
10894	500477.9	3733866	4.27E-03	0.00E+00	4.27E-03	7.45E-04
10895	500469	3733870	4.38E-03	0.00E+00	4.38E-03	7.64E-04
10896	500460.1	3733873	4.50E-03	0.00E+00	4.50E-03	7.84E-04
10897	500451.2	3733877	4.61E-03	0.00E+00	4.61E-03	8.04E-04

10898	500442.3	3733881	4.73E-03	0.00E+00	4.73E-03	8.25E-04
10899	500433.4	3733884	4.85E-03	0.00E+00	4.85E-03	8.45E-04
10900	500424.5	3733888	4.97E-03	0.00E+00	4.97E-03	8.66E-04
10901	500415.6	3733892	5.09E-03	0.00E+00	5.09E-03	8.87E-04
10902	500406.7	3733895	5.21E-03	0.00E+00	5.21E-03	9.09E-04
10903	500397.8	3733899	5.34E-03	0.00E+00	5.34E-03	9.30E-04
10904	500388.9	3733903	5.46E-03	0.00E+00	5.46E-03	9.52E-04
10905	500380	3733906	5.59E-03	0.00E+00	5.59E-03	9.73E-04
10906	500371.1	3733910	5.71E-03	0.00E+00	5.71E-03	9.95E-04
10907	500362.2	3733914	5.83E-03	0.00E+00	5.83E-03	1.02E-03
10908	500353.3	3733917	5.96E-03	0.00E+00	5.96E-03	1.04E-03
10909	500344.4	3733921	6.08E-03	0.00E+00	6.08E-03	1.06E-03
10910	500335.5	3733925	6.21E-03	0.00E+00	6.21E-03	1.08E-03
10911	500326.6	3733928	6.33E-03	0.00E+00	6.33E-03	1.10E-03
10912	500317.7	3733932	6.45E-03	0.00E+00	6.45E-03	1.12E-03
10913	500308.8	3733936	6.57E-03	0.00E+00	6.57E-03	1.14E-03
10914	500299.9	3733939	6.69E-03	0.00E+00	6.69E-03	1.17E-03
10915	500291	3733943	6.81E-03	0.00E+00	6.81E-03	1.19E-03
10916	500282.1	3733947	6.92E-03	0.00E+00	6.92E-03	1.21E-03
10917	500273.2	3733950	7.03E-03	0.00E+00	7.03E-03	1.23E-03
10918	500264.3	3733954	7.14E-03	0.00E+00	7.14E-03	1.24E-03
10919	500255.4	3733958	7.25E-03	0.00E+00	7.25E-03	1.26E-03
10920	500246.5	3733961	7.35E-03	0.00E+00	7.35E-03	1.28E-03
10921	500237.6	3733965	7.46E-03	0.00E+00	7.46E-03	1.30E-03
10922	500228.7	3733969	7.55E-03	0.00E+00	7.55E-03	1.32E-03
10923	500219.8	3733972	7.65E-03	0.00E+00	7.65E-03	1.33E-03
10924	500633.9	3733544	2.59E-03	0.00E+00	2.59E-03	4.50E-04
10925	500634.2	3733262	2.79E-03	0.00E+00	2.79E-03	4.86E-04
10926	500634.2	3733252	2.81E-03	0.00E+00	2.81E-03	4.90E-04
10927	500634.2	3733242	2.84E-03	0.00E+00	2.84E-03	4.94E-04
10928	500634.2	3733233	2.86E-03	0.00E+00	2.86E-03	4.98E-04
10929	500634.3	3733223	2.89E-03	0.00E+00	2.89E-03	5.03E-04
10930	500634.3	3733213	2.91E-03	0.00E+00	2.91E-03	5.07E-04
10931	500634.3	3733204	2.94E-03	0.00E+00	2.94E-03	5.12E-04
10932	500660.3	3733553	2.39E-03	0.00E+00	2.39E-03	4.16E-04
10933	500656.7	3733561	2.42E-03	0.00E+00	2.42E-03	4.21E-04
10934	500653	3733570	2.45E-03	0.00E+00	2.45E-03	4.27E-04
10935	500649.4	3733579	2.48E-03	0.00E+00	2.48E-03	4.32E-04
10936	500645.7	3733588	2.51E-03	0.00E+00	2.51E-03	4.38E-04
10937	500642.1	3733596	2.54E-03	0.00E+00	2.54E-03	4.43E-04
10938	500638.5	3733605	2.58E-03	0.00E+00	2.58E-03	4.49E-04
10939	500634.8	3733614	2.61E-03	0.00E+00	2.61E-03	4.55E-04
10940	500631.2	3733623	2.65E-03	0.00E+00	2.65E-03	4.61E-04
10941	500627.6	3733631	2.68E-03	0.00E+00	2.68E-03	4.67E-04
10942	500623.9	3733640	2.72E-03	0.00E+00	2.72E-03	4.73E-04
10943	500620.3	3733649	2.75E-03	0.00E+00	2.75E-03	4.80E-04
10944	500594.8	3733710	3.01E-03	0.00E+00	3.01E-03	5.25E-04

10945	500591.2	3733719	3.05E-03	0.00E+00	3.05E-03	5.32E-04
10946	500587.6	3733728	3.09E-03	0.00E+00	3.09E-03	5.39E-04
10947	500583.9	3733736	3.13E-03	0.00E+00	3.13E-03	5.45E-04
10948	500569.4	3733771	3.28E-03	0.00E+00	3.28E-03	5.71E-04
10949	500565.8	3733780	3.31E-03	0.00E+00	3.31E-03	5.77E-04
10950	500562.1	3733789	3.35E-03	0.00E+00	3.35E-03	5.84E-04
10951	500558.5	3733798	3.38E-03	0.00E+00	3.38E-03	5.90E-04
10952	500554.9	3733806	3.42E-03	0.00E+00	3.42E-03	5.96E-04
10953	500551.2	3733815	3.45E-03	0.00E+00	3.45E-03	6.02E-04
10954	500547.6	3733824	3.49E-03	0.00E+00	3.49E-03	6.07E-04
10955	500543.9	3733833	3.52E-03	0.00E+00	3.52E-03	6.13E-04
10956	500540.3	3733841	3.55E-03	0.00E+00	3.55E-03	6.18E-04
10957	500536.7	3733850	3.58E-03	0.00E+00	3.58E-03	6.24E-04
10958	500533	3733859	3.61E-03	0.00E+00	3.61E-03	6.29E-04
10959	500529.4	3733867	3.64E-03	0.00E+00	3.64E-03	6.34E-04
10960	500517	3733880	3.76E-03	0.00E+00	3.76E-03	6.55E-04
10961	500508.3	3733883	3.85E-03	0.00E+00	3.85E-03	6.71E-04
10962	500499.5	3733887	3.95E-03	0.00E+00	3.95E-03	6.88E-04
10963	500490.7	3733891	4.05E-03	0.00E+00	4.05E-03	7.05E-04
10964	500482	3733894	4.15E-03	0.00E+00	4.15E-03	7.22E-04
10965	500473.2	3733898	4.25E-03	0.00E+00	4.25E-03	7.40E-04
10966	500464.5	3733902	4.35E-03	0.00E+00	4.35E-03	7.58E-04
10967	500455.7	3733905	4.45E-03	0.00E+00	4.45E-03	7.76E-04
10968	500447	3733909	4.56E-03	0.00E+00	4.56E-03	7.94E-04
10969	500438.2	3733912	4.67E-03	0.00E+00	4.67E-03	8.13E-04
10970	500429.4	3733916	4.77E-03	0.00E+00	4.77E-03	8.32E-04
10971	500420.7	3733920	4.88E-03	0.00E+00	4.88E-03	8.50E-04
10972	500411.9	3733923	4.99E-03	0.00E+00	4.99E-03	8.69E-04
10973	500403.2	3733927	5.10E-03	0.00E+00	5.10E-03	8.89E-04
10974	500394.4	3733930	5.21E-03	0.00E+00	5.21E-03	9.08E-04
10975	500385.7	3733934	5.32E-03	0.00E+00	5.32E-03	9.27E-04
10976	500376.9	3733938	5.43E-03	0.00E+00	5.43E-03	9.46E-04
10977	500368.1	3733941	5.54E-03	0.00E+00	5.54E-03	9.65E-04
10978	500359.4	3733945	5.65E-03	0.00E+00	5.65E-03	9.84E-04
10979	500350.6	3733948	5.76E-03	0.00E+00	5.76E-03	1.00E-03
10980	500341.9	3733952	5.86E-03	0.00E+00	5.86E-03	1.02E-03
10981	500333.1	3733956	5.97E-03	0.00E+00	5.97E-03	1.04E-03
10982	500324.4	3733959	6.08E-03	0.00E+00	6.08E-03	1.06E-03
10983	500315.6	3733963	6.18E-03	0.00E+00	6.18E-03	1.08E-03
10984	500306.8	3733966	6.29E-03	0.00E+00	6.29E-03	1.10E-03
10985	500298.1	3733970	6.39E-03	0.00E+00	6.39E-03	1.11E-03
10986	500289.3	3733974	6.49E-03	0.00E+00	6.49E-03	1.13E-03
10987	500280.6	3733977	6.59E-03	0.00E+00	6.59E-03	1.15E-03
10988	500271.8	3733981	6.68E-03	0.00E+00	6.68E-03	1.16E-03
10989	500263.1	3733985	6.78E-03	0.00E+00	6.78E-03	1.18E-03
10990	500254.3	3733988	6.87E-03	0.00E+00	6.87E-03	1.20E-03
10991	500245.5	3733992	6.96E-03	0.00E+00	6.96E-03	1.21E-03

10992	500236.8	3733995	7.04E-03	0.00E+00	7.04E-03	1.23E-03
10993	500228	3733999	7.13E-03	0.00E+00	7.13E-03	1.24E-03
10994	500219.3	3734003	7.21E-03	0.00E+00	7.21E-03	1.26E-03
10995	500663.9	3733544	2.36E-03	0.00E+00	2.36E-03	4.11E-04
10996	500664.2	3733272	2.51E-03	0.00E+00	2.51E-03	4.38E-04
10997	500664.2	3733262	2.53E-03	0.00E+00	2.53E-03	4.41E-04
10998	500664.2	3733252	2.55E-03	0.00E+00	2.55E-03	4.45E-04
10999	500664.2	3733242	2.57E-03	0.00E+00	2.57E-03	4.48E-04
11000	500664.2	3733233	2.59E-03	0.00E+00	2.59E-03	4.52E-04
11001	500664.3	3733223	2.62E-03	0.00E+00	2.62E-03	4.56E-04
11002	500664.3	3733213	2.64E-03	0.00E+00	2.64E-03	4.60E-04
11003	500664.3	3733204	2.66E-03	0.00E+00	2.66E-03	4.64E-04
11004	500690.3	3733553	2.19E-03	0.00E+00	2.19E-03	3.81E-04
11005	500686.6	3733562	2.21E-03	0.00E+00	2.21E-03	3.86E-04
11006	500682.9	3733570	2.24E-03	0.00E+00	2.24E-03	3.90E-04
11007	500679.2	3733579	2.27E-03	0.00E+00	2.27E-03	3.95E-04
11008	500675.6	3733588	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11009	500671.9	3733597	2.33E-03	0.00E+00	2.33E-03	4.05E-04
11010	500668.2	3733606	2.36E-03	0.00E+00	2.36E-03	4.10E-04
11011	500664.5	3733615	2.39E-03	0.00E+00	2.39E-03	4.16E-04
11012	500660.9	3733623	2.42E-03	0.00E+00	2.42E-03	4.21E-04
11013	500657.2	3733632	2.45E-03	0.00E+00	2.45E-03	4.27E-04
11014	500653.5	3733641	2.48E-03	0.00E+00	2.48E-03	4.32E-04
11015	500649.8	3733650	2.51E-03	0.00E+00	2.51E-03	4.38E-04
11016	500646.2	3733659	2.55E-03	0.00E+00	2.55E-03	4.43E-04
11017	500642.5	3733668	2.58E-03	0.00E+00	2.58E-03	4.49E-04
11018	500638.8	3733677	2.61E-03	0.00E+00	2.61E-03	4.55E-04
11019	500635.1	3733685	2.64E-03	0.00E+00	2.64E-03	4.61E-04
11020	500631.5	3733694	2.68E-03	0.00E+00	2.68E-03	4.67E-04
11021	500627.8	3733703	2.71E-03	0.00E+00	2.71E-03	4.73E-04
11022	500594.7	3733783	3.02E-03	0.00E+00	3.02E-03	5.27E-04
11023	500591	3733791	3.06E-03	0.00E+00	3.06E-03	5.32E-04
11024	500587.4	3733800	3.09E-03	0.00E+00	3.09E-03	5.38E-04
11025	500583.7	3733809	3.12E-03	0.00E+00	3.12E-03	5.44E-04
11026	500580	3733818	3.15E-03	0.00E+00	3.15E-03	5.49E-04
11027	500576.3	3733827	3.18E-03	0.00E+00	3.18E-03	5.55E-04
11028	500572.7	3733836	3.22E-03	0.00E+00	3.22E-03	5.60E-04
11029	500569	3733844	3.25E-03	0.00E+00	3.25E-03	5.66E-04
11030	500565.3	3733853	3.28E-03	0.00E+00	3.28E-03	5.71E-04
11031	500561.6	3733862	3.30E-03	0.00E+00	3.30E-03	5.76E-04
11032	500558	3733871	3.33E-03	0.00E+00	3.33E-03	5.81E-04
11033	500554.3	3733880	3.36E-03	0.00E+00	3.36E-03	5.85E-04
11034	500550.6	3733889	3.39E-03	0.00E+00	3.39E-03	5.90E-04
11035	500538.1	3733901	3.49E-03	0.00E+00	3.49E-03	6.09E-04
11036	500529.2	3733905	3.58E-03	0.00E+00	3.58E-03	6.24E-04
11037	500520.4	3733908	3.67E-03	0.00E+00	3.67E-03	6.39E-04
11038	500511.5	3733912	3.76E-03	0.00E+00	3.76E-03	6.55E-04

11039	500502.7	3733916	3.85E-03	0.00E+00	3.85E-03	6.70E-04
11040	500493.8	3733919	3.94E-03	0.00E+00	3.94E-03	6.86E-04
11041	500485	3733923	4.03E-03	0.00E+00	4.03E-03	7.02E-04
11042	500476.1	3733927	4.13E-03	0.00E+00	4.13E-03	7.19E-04
11043	500467.3	3733930	4.22E-03	0.00E+00	4.22E-03	7.35E-04
11044	500458.4	3733934	4.32E-03	0.00E+00	4.32E-03	7.52E-04
11045	500449.6	3733938	4.41E-03	0.00E+00	4.41E-03	7.69E-04
11046	500440.7	3733941	4.51E-03	0.00E+00	4.51E-03	7.86E-04
11047	500431.9	3733945	4.61E-03	0.00E+00	4.61E-03	8.04E-04
11048	500423	3733949	4.71E-03	0.00E+00	4.71E-03	8.21E-04
11049	500414.2	3733952	4.81E-03	0.00E+00	4.81E-03	8.38E-04
11050	500405.3	3733956	4.91E-03	0.00E+00	4.91E-03	8.56E-04
11051	500396.5	3733960	5.01E-03	0.00E+00	5.01E-03	8.73E-04
11052	500387.6	3733963	5.11E-03	0.00E+00	5.11E-03	8.91E-04
11053	500378.8	3733967	5.21E-03	0.00E+00	5.21E-03	9.08E-04
11054	500369.9	3733970	5.31E-03	0.00E+00	5.31E-03	9.25E-04
11055	500361.1	3733974	5.41E-03	0.00E+00	5.41E-03	9.43E-04
11056	500352.2	3733978	5.51E-03	0.00E+00	5.51E-03	9.60E-04
11057	500343.4	3733981	5.60E-03	0.00E+00	5.60E-03	9.77E-04
11058	500334.5	3733985	5.70E-03	0.00E+00	5.70E-03	9.93E-04
11059	500325.7	3733989	5.80E-03	0.00E+00	5.80E-03	1.01E-03
11060	500316.8	3733992	5.89E-03	0.00E+00	5.89E-03	1.03E-03
11061	500308	3733996	5.98E-03	0.00E+00	5.98E-03	1.04E-03
11062	500299.1	3734000	6.07E-03	0.00E+00	6.07E-03	1.06E-03
11063	500290.3	3734003	6.16E-03	0.00E+00	6.16E-03	1.07E-03
11064	500281.4	3734007	6.25E-03	0.00E+00	6.25E-03	1.09E-03
11065	500272.6	3734011	6.33E-03	0.00E+00	6.33E-03	1.10E-03
11066	500263.7	3734014	6.42E-03	0.00E+00	6.42E-03	1.12E-03
11067	500254.9	3734018	6.50E-03	0.00E+00	6.50E-03	1.13E-03
11068	500246	3734022	6.58E-03	0.00E+00	6.58E-03	1.15E-03
11069	500237.2	3734025	6.65E-03	0.00E+00	6.65E-03	1.16E-03
11070	500228.3	3734029	6.73E-03	0.00E+00	6.73E-03	1.17E-03
11071	500219.5	3734032	6.80E-03	0.00E+00	6.80E-03	1.18E-03
11072	500693.9	3733544	2.16E-03	0.00E+00	2.16E-03	3.77E-04
11073	500694.2	3733291	2.27E-03	0.00E+00	2.27E-03	3.95E-04
11074	500694.2	3733281	2.28E-03	0.00E+00	2.28E-03	3.97E-04
11075	500694.2	3733272	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11076	500694.2	3733262	2.31E-03	0.00E+00	2.31E-03	4.03E-04
11077	500694.2	3733252	2.33E-03	0.00E+00	2.33E-03	4.06E-04
11078	500694.2	3733242	2.35E-03	0.00E+00	2.35E-03	4.09E-04
11079	500694.2	3733233	2.36E-03	0.00E+00	2.36E-03	4.12E-04
11080	500694.3	3733223	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11081	500694.3	3733213	2.40E-03	0.00E+00	2.40E-03	4.19E-04
11082	500694.3	3733204	2.42E-03	0.00E+00	2.42E-03	4.22E-04
11083	500730.2	3733553	1.96E-03	0.00E+00	1.96E-03	3.41E-04
11084	500726.5	3733562	1.98E-03	0.00E+00	1.98E-03	3.45E-04
11085	500722.9	3733571	2.00E-03	0.00E+00	2.00E-03	3.49E-04

11086	500719.2	3733579	2.03E-03	0.00E+00	2.03E-03	3.53E-04
11087	500715.5	3733588	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11088	500711.8	3733597	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11089	500708.1	3733606	2.10E-03	0.00E+00	2.10E-03	3.66E-04
11090	500704.4	3733615	2.13E-03	0.00E+00	2.13E-03	3.71E-04
11091	500700.7	3733624	2.15E-03	0.00E+00	2.15E-03	3.75E-04
11092	500697	3733633	2.18E-03	0.00E+00	2.18E-03	3.80E-04
11093	500693.3	3733642	2.21E-03	0.00E+00	2.21E-03	3.84E-04
11094	500689.6	3733651	2.23E-03	0.00E+00	2.23E-03	3.89E-04
11095	500685.9	3733659	2.26E-03	0.00E+00	2.26E-03	3.94E-04
11096	500682.2	3733668	2.29E-03	0.00E+00	2.29E-03	3.99E-04
11097	500678.6	3733677	2.32E-03	0.00E+00	2.32E-03	4.04E-04
11098	500674.9	3733686	2.35E-03	0.00E+00	2.35E-03	4.09E-04
11099	500671.2	3733695	2.38E-03	0.00E+00	2.38E-03	4.14E-04
11100	500667.5	3733704	2.41E-03	0.00E+00	2.41E-03	4.19E-04
11101	500641.6	3733766	2.62E-03	0.00E+00	2.62E-03	4.56E-04
11102	500637.9	3733775	2.65E-03	0.00E+00	2.65E-03	4.62E-04
11103	500634.3	3733784	2.68E-03	0.00E+00	2.68E-03	4.67E-04
11104	500630.6	3733793	2.71E-03	0.00E+00	2.71E-03	4.72E-04
11105	500626.9	3733801	2.74E-03	0.00E+00	2.74E-03	4.77E-04
11106	500623.2	3733810	2.77E-03	0.00E+00	2.77E-03	4.82E-04
11107	500619.5	3733819	2.80E-03	0.00E+00	2.80E-03	4.88E-04
11108	500615.8	3733828	2.83E-03	0.00E+00	2.83E-03	4.93E-04
11109	500612.1	3733837	2.86E-03	0.00E+00	2.86E-03	4.98E-04
11110	500590	3733890	3.02E-03	0.00E+00	3.02E-03	5.26E-04
11111	500586.3	3733899	3.04E-03	0.00E+00	3.04E-03	5.30E-04
11112	500582.6	3733908	3.07E-03	0.00E+00	3.07E-03	5.34E-04
11113	500578.9	3733917	3.09E-03	0.00E+00	3.09E-03	5.38E-04
11114	500566.3	3733929	3.19E-03	0.00E+00	3.19E-03	5.55E-04
11115	500557.4	3733933	3.26E-03	0.00E+00	3.26E-03	5.68E-04
11116	500548.5	3733937	3.34E-03	0.00E+00	3.34E-03	5.82E-04
11117	500539.6	3733940	3.42E-03	0.00E+00	3.42E-03	5.95E-04
11118	500530.7	3733944	3.50E-03	0.00E+00	3.50E-03	6.09E-04
11119	500521.8	3733948	3.58E-03	0.00E+00	3.58E-03	6.23E-04
11120	500512.9	3733951	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11121	500504.1	3733955	3.74E-03	0.00E+00	3.74E-03	6.52E-04
11122	500495.2	3733959	3.82E-03	0.00E+00	3.82E-03	6.66E-04
11123	500486.3	3733962	3.91E-03	0.00E+00	3.91E-03	6.81E-04
11124	500477.4	3733966	3.99E-03	0.00E+00	3.99E-03	6.96E-04
11125	500468.5	3733970	4.08E-03	0.00E+00	4.08E-03	7.11E-04
11126	500459.6	3733973	4.16E-03	0.00E+00	4.16E-03	7.26E-04
11127	500450.7	3733977	4.25E-03	0.00E+00	4.25E-03	7.41E-04
11128	500441.8	3733981	4.34E-03	0.00E+00	4.34E-03	7.56E-04
11129	500432.9	3733984	4.43E-03	0.00E+00	4.43E-03	7.71E-04
11130	500424	3733988	4.51E-03	0.00E+00	4.51E-03	7.87E-04
11131	500415.1	3733992	4.60E-03	0.00E+00	4.60E-03	8.02E-04
11132	500406.3	3733995	4.69E-03	0.00E+00	4.69E-03	8.17E-04

11133	500397.4	3733999	4.78E-03	0.00E+00	4.78E-03	8.33E-04
11134	500388.5	3734003	4.87E-03	0.00E+00	4.87E-03	8.48E-04
11135	500379.6	3734006	4.95E-03	0.00E+00	4.95E-03	8.63E-04
11136	500370.7	3734010	5.04E-03	0.00E+00	5.04E-03	8.78E-04
11137	500361.8	3734014	5.13E-03	0.00E+00	5.13E-03	8.93E-04
11138	500352.9	3734017	5.21E-03	0.00E+00	5.21E-03	9.08E-04
11139	500344	3734021	5.30E-03	0.00E+00	5.30E-03	9.23E-04
11140	500335.1	3734025	5.38E-03	0.00E+00	5.38E-03	9.37E-04
11141	500326.2	3734028	5.46E-03	0.00E+00	5.46E-03	9.51E-04
11142	500317.3	3734032	5.54E-03	0.00E+00	5.54E-03	9.65E-04
11143	500308.4	3734036	5.62E-03	0.00E+00	5.62E-03	9.79E-04
11144	500299.6	3734039	5.70E-03	0.00E+00	5.70E-03	9.93E-04
11145	500290.7	3734043	5.77E-03	0.00E+00	5.77E-03	1.01E-03
11146	500281.8	3734047	5.85E-03	0.00E+00	5.85E-03	1.02E-03
11147	500272.9	3734050	5.92E-03	0.00E+00	5.92E-03	1.03E-03
11148	500264	3734054	5.99E-03	0.00E+00	5.99E-03	1.04E-03
11149	500255.1	3734058	6.06E-03	0.00E+00	6.06E-03	1.06E-03
11150	500246.2	3734061	6.12E-03	0.00E+00	6.12E-03	1.07E-03
11151	500237.3	3734065	6.19E-03	0.00E+00	6.19E-03	1.08E-03
11152	500228.4	3734069	6.25E-03	0.00E+00	6.25E-03	1.09E-03
11153	500219.5	3734072	6.31E-03	0.00E+00	6.31E-03	1.10E-03
11154	500733.9	3733544	1.94E-03	0.00E+00	1.94E-03	3.38E-04
11155	500734.2	3733311	2.00E-03	0.00E+00	2.00E-03	3.49E-04
11156	500734.2	3733301	2.01E-03	0.00E+00	2.01E-03	3.51E-04
11157	500734.2	3733291	2.02E-03	0.00E+00	2.02E-03	3.53E-04
11158	500734.2	3733281	2.04E-03	0.00E+00	2.04E-03	3.55E-04
11159	500734.2	3733272	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11160	500734.2	3733262	2.06E-03	0.00E+00	2.06E-03	3.59E-04
11161	500734.2	3733252	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11162	500734.2	3733243	2.09E-03	0.00E+00	2.09E-03	3.64E-04
11163	500734.2	3733233	2.11E-03	0.00E+00	2.11E-03	3.67E-04
11164	500734.3	3733223	2.12E-03	0.00E+00	2.12E-03	3.70E-04
11165	500734.3	3733213	2.14E-03	0.00E+00	2.14E-03	3.73E-04
11166	500734.3	3733204	2.16E-03	0.00E+00	2.16E-03	3.76E-04
11167	500770.2	3733553	1.77E-03	0.00E+00	1.77E-03	3.08E-04
11168	500766.5	3733562	1.79E-03	0.00E+00	1.79E-03	3.11E-04
11169	500762.8	3733571	1.81E-03	0.00E+00	1.81E-03	3.15E-04
11170	500759.1	3733580	1.83E-03	0.00E+00	1.83E-03	3.18E-04
11171	500755.4	3733589	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11172	500751.7	3733597	1.87E-03	0.00E+00	1.87E-03	3.25E-04
11173	500748	3733606	1.89E-03	0.00E+00	1.89E-03	3.29E-04
11174	500744.3	3733615	1.91E-03	0.00E+00	1.91E-03	3.33E-04
11175	500740.6	3733624	1.93E-03	0.00E+00	1.93E-03	3.37E-04
11176	500736.9	3733633	1.96E-03	0.00E+00	1.96E-03	3.41E-04
11177	500733.2	3733642	1.98E-03	0.00E+00	1.98E-03	3.45E-04
11178	500729.4	3733651	2.00E-03	0.00E+00	2.00E-03	3.49E-04
11179	500725.7	3733660	2.03E-03	0.00E+00	2.03E-03	3.53E-04

11180	500722	3733669	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11181	500718.3	3733678	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11182	500714.6	3733687	2.10E-03	0.00E+00	2.10E-03	3.66E-04
11183	500710.9	3733696	2.13E-03	0.00E+00	2.13E-03	3.70E-04
11184	500707.2	3733704	2.15E-03	0.00E+00	2.15E-03	3.75E-04
11185	500681.3	3733767	2.34E-03	0.00E+00	2.34E-03	4.07E-04
11186	500677.6	3733776	2.36E-03	0.00E+00	2.36E-03	4.12E-04
11187	500673.9	3733785	2.39E-03	0.00E+00	2.39E-03	4.16E-04
11188	500670.1	3733794	2.42E-03	0.00E+00	2.42E-03	4.21E-04
11189	500666.4	3733803	2.44E-03	0.00E+00	2.44E-03	4.26E-04
11190	500662.7	3733811	2.47E-03	0.00E+00	2.47E-03	4.30E-04
11191	500659	3733820	2.50E-03	0.00E+00	2.50E-03	4.35E-04
11192	500655.3	3733829	2.52E-03	0.00E+00	2.52E-03	4.40E-04
11193	500651.6	3733838	2.55E-03	0.00E+00	2.55E-03	4.44E-04
11194	500647.9	3733847	2.58E-03	0.00E+00	2.58E-03	4.49E-04
11195	500644.2	3733856	2.60E-03	0.00E+00	2.60E-03	4.53E-04
11196	500640.5	3733865	2.63E-03	0.00E+00	2.63E-03	4.58E-04
11197	500636.8	3733874	2.65E-03	0.00E+00	2.65E-03	4.62E-04
11198	500610.8	3733936	2.81E-03	0.00E+00	2.81E-03	4.90E-04
11199	500585.6	3733962	2.99E-03	0.00E+00	2.99E-03	5.20E-04
11200	500576.6	3733965	3.05E-03	0.00E+00	3.05E-03	5.32E-04
11201	500567.7	3733969	3.12E-03	0.00E+00	3.12E-03	5.44E-04
11202	500558.8	3733973	3.19E-03	0.00E+00	3.19E-03	5.56E-04
11203	500549.9	3733976	3.26E-03	0.00E+00	3.26E-03	5.68E-04
11204	500540.9	3733980	3.33E-03	0.00E+00	3.33E-03	5.81E-04
11205	500532	3733984	3.41E-03	0.00E+00	3.41E-03	5.94E-04
11206	500523.1	3733987	3.48E-03	0.00E+00	3.48E-03	6.06E-04
11207	500514.2	3733991	3.56E-03	0.00E+00	3.56E-03	6.19E-04
11208	500505.2	3733995	3.63E-03	0.00E+00	3.63E-03	6.33E-04
11209	500496.3	3733998	3.71E-03	0.00E+00	3.71E-03	6.46E-04
11210	500487.4	3734002	3.78E-03	0.00E+00	3.78E-03	6.59E-04
11211	500478.4	3734006	3.86E-03	0.00E+00	3.86E-03	6.72E-04
11212	500469.5	3734009	3.94E-03	0.00E+00	3.94E-03	6.86E-04
11213	500460.6	3734013	4.01E-03	0.00E+00	4.01E-03	6.99E-04
11214	500451.7	3734017	4.09E-03	0.00E+00	4.09E-03	7.13E-04
11215	500442.7	3734020	4.17E-03	0.00E+00	4.17E-03	7.26E-04
11216	500433.8	3734024	4.25E-03	0.00E+00	4.25E-03	7.40E-04
11217	500424.9	3734028	4.32E-03	0.00E+00	4.32E-03	7.54E-04
11218	500416	3734031	4.40E-03	0.00E+00	4.40E-03	7.67E-04
11219	500407	3734035	4.48E-03	0.00E+00	4.48E-03	7.81E-04
11220	500398.1	3734039	4.56E-03	0.00E+00	4.56E-03	7.94E-04
11221	500389.2	3734042	4.63E-03	0.00E+00	4.63E-03	8.07E-04
11222	500380.3	3734046	4.71E-03	0.00E+00	4.71E-03	8.20E-04
11223	500371.3	3734050	4.78E-03	0.00E+00	4.78E-03	8.34E-04
11224	500362.4	3734053	4.86E-03	0.00E+00	4.86E-03	8.47E-04
11225	500353.5	3734057	4.93E-03	0.00E+00	4.93E-03	8.60E-04
11226	500344.5	3734061	5.01E-03	0.00E+00	5.01E-03	8.72E-04

11227	500335.6	3734065	5.08E-03	0.00E+00	5.08E-03	8.85E-04
11228	500326.7	3734068	5.15E-03	0.00E+00	5.15E-03	8.97E-04
11229	500317.8	3734072	5.22E-03	0.00E+00	5.22E-03	9.09E-04
11230	500308.8	3734076	5.29E-03	0.00E+00	5.29E-03	9.21E-04
11231	500299.9	3734079	5.35E-03	0.00E+00	5.35E-03	9.33E-04
11232	500291	3734083	5.42E-03	0.00E+00	5.42E-03	9.44E-04
11233	500282.1	3734087	5.48E-03	0.00E+00	5.48E-03	9.55E-04
11234	500273.1	3734090	5.54E-03	0.00E+00	5.54E-03	9.66E-04
11235	500264.2	3734094	5.60E-03	0.00E+00	5.60E-03	9.76E-04
11236	500255.3	3734098	5.66E-03	0.00E+00	5.66E-03	9.86E-04
11237	500246.3	3734101	5.72E-03	0.00E+00	5.72E-03	9.96E-04
11238	500237.4	3734105	5.77E-03	0.00E+00	5.77E-03	1.01E-03
11239	500228.5	3734109	5.82E-03	0.00E+00	5.82E-03	1.01E-03
11240	500219.6	3734112	5.87E-03	0.00E+00	5.87E-03	1.02E-03
11241	500773.9	3733544	1.72E-03	0.00E+00	1.72E-03	2.99E-04
11242	500774.2	3733320	1.80E-03	0.00E+00	1.80E-03	3.13E-04
11243	500774.2	3733311	1.81E-03	0.00E+00	1.81E-03	3.15E-04
11244	500774.2	3733301	1.81E-03	0.00E+00	1.81E-03	3.16E-04
11245	500774.2	3733291	1.82E-03	0.00E+00	1.82E-03	3.18E-04
11246	500774.2	3733281	1.83E-03	0.00E+00	1.83E-03	3.19E-04
11247	500774.2	3733272	1.84E-03	0.00E+00	1.84E-03	3.21E-04
11248	500774.2	3733262	1.85E-03	0.00E+00	1.85E-03	3.23E-04
11249	500774.2	3733252	1.87E-03	0.00E+00	1.87E-03	3.25E-04
11250	500774.2	3733243	1.88E-03	0.00E+00	1.88E-03	3.27E-04
11251	500774.2	3733233	1.89E-03	0.00E+00	1.89E-03	3.29E-04
11252	500774.3	3733223	1.90E-03	0.00E+00	1.90E-03	3.32E-04
11253	500774.3	3733213	1.92E-03	0.00E+00	1.92E-03	3.34E-04
11254	500774.3	3733204	1.93E-03	0.00E+00	1.93E-03	3.37E-04
11255	500810.2	3733553	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11256	500806.5	3733562	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11257	500802.8	3733571	1.60E-03	0.00E+00	1.60E-03	2.80E-04
11258	500799	3733580	1.62E-03	0.00E+00	1.62E-03	2.83E-04
11259	500795.3	3733589	1.64E-03	0.00E+00	1.64E-03	2.86E-04
11260	500791.6	3733598	1.66E-03	0.00E+00	1.66E-03	2.89E-04
11261	500787.9	3733607	1.68E-03	0.00E+00	1.68E-03	2.92E-04
11262	500784.2	3733616	1.70E-03	0.00E+00	1.70E-03	2.96E-04
11263	500780.4	3733625	1.72E-03	0.00E+00	1.72E-03	2.99E-04
11264	500776.7	3733634	1.74E-03	0.00E+00	1.74E-03	3.03E-04
11265	500773	3733642	1.76E-03	0.00E+00	1.76E-03	3.06E-04
11266	500769.3	3733651	1.78E-03	0.00E+00	1.78E-03	3.10E-04
11267	500765.6	3733660	1.80E-03	0.00E+00	1.80E-03	3.13E-04
11268	500761.9	3733669	1.82E-03	0.00E+00	1.82E-03	3.17E-04
11269	500758.1	3733678	1.84E-03	0.00E+00	1.84E-03	3.20E-04
11270	500754.4	3733687	1.86E-03	0.00E+00	1.86E-03	3.24E-04
11271	500750.7	3733696	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11272	500747	3733705	1.91E-03	0.00E+00	1.91E-03	3.32E-04
11273	500720.9	3733768	2.07E-03	0.00E+00	2.07E-03	3.60E-04

11274	500717.2	3733777	2.09E-03	0.00E+00	2.09E-03	3.65E-04
11275	500713.5	3733786	2.12E-03	0.00E+00	2.12E-03	3.69E-04
11276	500709.8	3733795	2.17E-03	0.00E+00	2.17E-03	3.78E-04
11277	500706.1	3733804	2.19E-03	0.00E+00	2.19E-03	3.82E-04
11278	500702.3	3733812	2.22E-03	0.00E+00	2.22E-03	3.86E-04
11279	500698.6	3733821	2.24E-03	0.00E+00	2.24E-03	3.90E-04
11280	500694.9	3733830	2.26E-03	0.00E+00	2.26E-03	3.94E-04
11281	500691.2	3733839	2.29E-03	0.00E+00	2.29E-03	3.98E-04
11282	500687.5	3733848	2.28E-03	0.00E+00	2.28E-03	3.98E-04
11283	500683.7	3733857	2.31E-03	0.00E+00	2.31E-03	4.02E-04
11284	500680	3733866	2.36E-03	0.00E+00	2.36E-03	4.11E-04
11285	500676.3	3733875	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11286	500672.6	3733884	2.40E-03	0.00E+00	2.40E-03	4.19E-04
11287	500668.9	3733893	2.42E-03	0.00E+00	2.42E-03	4.23E-04
11288	500665.1	3733902	2.45E-03	0.00E+00	2.45E-03	4.26E-04
11289	500661.4	3733911	2.47E-03	0.00E+00	2.47E-03	4.30E-04
11290	500650.3	3733938	2.53E-03	0.00E+00	2.53E-03	4.41E-04
11291	500646.5	3733947	2.55E-03	0.00E+00	2.55E-03	4.45E-04
11292	500642.8	3733956	2.57E-03	0.00E+00	2.57E-03	4.48E-04
11293	500586.9	3734001	2.93E-03	0.00E+00	2.93E-03	5.10E-04
11294	500577.9	3734005	2.99E-03	0.00E+00	2.99E-03	5.21E-04
11295	500569	3734008	3.05E-03	0.00E+00	3.05E-03	5.32E-04
11296	500560	3734012	3.12E-03	0.00E+00	3.12E-03	5.43E-04
11297	500551	3734016	3.18E-03	0.00E+00	3.18E-03	5.55E-04
11298	500542.1	3734019	3.25E-03	0.00E+00	3.25E-03	5.66E-04
11299	500533.1	3734023	3.32E-03	0.00E+00	3.32E-03	5.78E-04
11300	500524.2	3734027	3.38E-03	0.00E+00	3.38E-03	5.90E-04
11301	500515.2	3734030	3.45E-03	0.00E+00	3.45E-03	6.01E-04
11302	500506.3	3734034	3.52E-03	0.00E+00	3.52E-03	6.13E-04
11303	500497.3	3734038	3.59E-03	0.00E+00	3.59E-03	6.25E-04
11304	500488.3	3734042	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11305	500479.4	3734045	3.73E-03	0.00E+00	3.73E-03	6.49E-04
11306	500470.4	3734049	3.80E-03	0.00E+00	3.80E-03	6.61E-04
11307	500461.5	3734053	3.87E-03	0.00E+00	3.87E-03	6.74E-04
11308	500452.5	3734056	3.93E-03	0.00E+00	3.93E-03	6.86E-04
11309	500443.5	3734060	4.00E-03	0.00E+00	4.00E-03	6.98E-04
11310	500434.6	3734064	4.07E-03	0.00E+00	4.07E-03	7.10E-04
11311	500425.6	3734067	4.14E-03	0.00E+00	4.14E-03	7.22E-04
11312	500416.7	3734071	4.21E-03	0.00E+00	4.21E-03	7.34E-04
11313	500407.7	3734075	4.28E-03	0.00E+00	4.28E-03	7.46E-04
11314	500398.7	3734078	4.35E-03	0.00E+00	4.35E-03	7.57E-04
11315	500389.8	3734082	4.41E-03	0.00E+00	4.41E-03	7.69E-04
11316	500380.8	3734086	4.48E-03	0.00E+00	4.48E-03	7.81E-04
11317	500371.9	3734090	4.55E-03	0.00E+00	4.55E-03	7.92E-04
11318	500362.9	3734093	4.61E-03	0.00E+00	4.61E-03	8.03E-04
11319	500354	3734097	4.67E-03	0.00E+00	4.67E-03	8.14E-04
11320	500345	3734101	4.74E-03	0.00E+00	4.74E-03	8.25E-04

11321	500336	3734104	4.80E-03	0.00E+00	4.80E-03	8.36E-04
11322	500327.1	3734108	4.86E-03	0.00E+00	4.86E-03	8.47E-04
11323	500318.1	3734112	4.92E-03	0.00E+00	4.92E-03	8.57E-04
11324	500309.2	3734115	4.98E-03	0.00E+00	4.98E-03	8.68E-04
11325	500300.2	3734119	5.04E-03	0.00E+00	5.04E-03	8.78E-04
11326	500291.2	3734123	5.09E-03	0.00E+00	5.09E-03	8.87E-04
11327	500282.3	3734126	5.15E-03	0.00E+00	5.15E-03	8.97E-04
11328	500273.3	3734130	5.20E-03	0.00E+00	5.20E-03	9.06E-04
11329	500264.4	3734134	5.25E-03	0.00E+00	5.25E-03	9.15E-04
11330	500813.9	3733544	1.56E-03	0.00E+00	1.56E-03	2.71E-04
11331	500813.9	3733534	1.55E-03	0.00E+00	1.55E-03	2.71E-04
11332	500813.9	3733525	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11333	500814	3733515	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11334	500814	3733505	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11335	500814	3733495	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11336	500814	3733486	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11337	500814	3733476	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11338	500814	3733466	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11339	500814	3733457	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11340	500814	3733447	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11341	500814	3733437	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11342	500814	3733427	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11343	500814.1	3733418	1.55E-03	0.00E+00	1.55E-03	2.71E-04
11344	500814.1	3733408	1.55E-03	0.00E+00	1.55E-03	2.71E-04
11345	500814.1	3733398	1.56E-03	0.00E+00	1.56E-03	2.71E-04
11346	500814.1	3733388	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11347	500814.1	3733340	1.58E-03	0.00E+00	1.58E-03	2.75E-04
11348	500814.1	3733330	1.59E-03	0.00E+00	1.59E-03	2.76E-04
11349	500814.2	3733320	1.59E-03	0.00E+00	1.59E-03	2.78E-04
11350	500814.2	3733311	1.60E-03	0.00E+00	1.60E-03	2.79E-04
11351	500814.2	3733301	1.64E-03	0.00E+00	1.64E-03	2.87E-04
11352	500814.2	3733291	1.65E-03	0.00E+00	1.65E-03	2.88E-04
11353	500814.2	3733281	1.66E-03	0.00E+00	1.66E-03	2.89E-04
11354	500814.2	3733272	1.67E-03	0.00E+00	1.67E-03	2.91E-04
11355	500814.2	3733262	1.68E-03	0.00E+00	1.68E-03	2.93E-04
11356	500814.2	3733252	1.69E-03	0.00E+00	1.69E-03	2.94E-04
11357	500814.2	3733243	1.70E-03	0.00E+00	1.70E-03	2.96E-04
11358	500814.2	3733233	1.71E-03	0.00E+00	1.71E-03	2.98E-04
11359	500814.3	3733223	1.72E-03	0.00E+00	1.72E-03	3.00E-04
11360	500814.3	3733213	1.73E-03	0.00E+00	1.73E-03	3.02E-04
11361	500814.3	3733204	1.75E-03	0.00E+00	1.75E-03	3.04E-04
11362	500850.2	3733553	1.43E-03	0.00E+00	1.43E-03	2.50E-04
11363	500846.5	3733562	1.45E-03	0.00E+00	1.45E-03	2.52E-04
11364	500842.7	3733571	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11365	500839	3733580	1.48E-03	0.00E+00	1.48E-03	2.57E-04
11366	500835.3	3733589	1.49E-03	0.00E+00	1.49E-03	2.60E-04
11367	500831.5	3733598	1.51E-03	0.00E+00	1.51E-03	2.63E-04

11368	500827.8	3733607	1.52E-03	0.00E+00	1.52E-03	2.66E-04
11369	500824.1	3733616	1.54E-03	0.00E+00	1.54E-03	2.68E-04
11370	500820.3	3733625	1.56E-03	0.00E+00	1.56E-03	2.71E-04
11371	500816.6	3733634	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11372	500812.9	3733643	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11373	500809.2	3733652	1.61E-03	0.00E+00	1.61E-03	2.80E-04
11374	500805.4	3733661	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11375	500801.7	3733670	1.65E-03	0.00E+00	1.65E-03	2.87E-04
11376	500798	3733679	1.66E-03	0.00E+00	1.66E-03	2.90E-04
11377	500794.2	3733688	1.68E-03	0.00E+00	1.68E-03	2.93E-04
11378	500790.5	3733697	1.70E-03	0.00E+00	1.70E-03	2.97E-04
11379	500786.8	3733706	1.72E-03	0.00E+00	1.72E-03	3.00E-04
11380	500760.7	3733768	1.86E-03	0.00E+00	1.86E-03	3.25E-04
11381	500756.9	3733777	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11382	500753.2	3733786	1.90E-03	0.00E+00	1.90E-03	3.32E-04
11383	500749.5	3733795	1.93E-03	0.00E+00	1.93E-03	3.36E-04
11384	500745.7	3733804	1.95E-03	0.00E+00	1.95E-03	3.39E-04
11385	500742	3733813	1.97E-03	0.00E+00	1.97E-03	3.43E-04
11386	500738.3	3733822	1.99E-03	0.00E+00	1.99E-03	3.47E-04
11387	500734.5	3733831	2.01E-03	0.00E+00	2.01E-03	3.50E-04
11388	500730.8	3733840	2.03E-03	0.00E+00	2.03E-03	3.54E-04
11389	500727.1	3733849	2.05E-03	0.00E+00	2.05E-03	3.58E-04
11390	500723.3	3733858	2.08E-03	0.00E+00	2.08E-03	3.62E-04
11391	500719.6	3733867	2.10E-03	0.00E+00	2.10E-03	3.65E-04
11392	500715.9	3733876	2.12E-03	0.00E+00	2.12E-03	3.69E-04
11393	500712.1	3733885	2.14E-03	0.00E+00	2.14E-03	3.72E-04
11394	500708.4	3733894	2.16E-03	0.00E+00	2.16E-03	3.76E-04
11395	500704.7	3733903	2.18E-03	0.00E+00	2.18E-03	3.80E-04
11396	500701	3733912	2.20E-03	0.00E+00	2.20E-03	3.83E-04
11397	500697.2	3733921	2.22E-03	0.00E+00	2.22E-03	3.87E-04
11398	500693.5	3733930	2.24E-03	0.00E+00	2.24E-03	3.91E-04
11399	500689.8	3733939	2.26E-03	0.00E+00	2.26E-03	3.94E-04
11400	500686	3733948	2.28E-03	0.00E+00	2.28E-03	3.97E-04
11401	500615	3734029	2.70E-03	0.00E+00	2.70E-03	4.70E-04
11402	500588	3734040	2.87E-03	0.00E+00	2.87E-03	5.00E-04
11403	500579	3734044	2.93E-03	0.00E+00	2.93E-03	5.10E-04
11404	500570	3734048	2.98E-03	0.00E+00	2.98E-03	5.20E-04
11405	500561.1	3734052	3.04E-03	0.00E+00	3.04E-03	5.30E-04
11406	500552.1	3734055	3.10E-03	0.00E+00	3.10E-03	5.41E-04
11407	500543.1	3734059	3.16E-03	0.00E+00	3.16E-03	5.51E-04
11408	500534.1	3734063	3.22E-03	0.00E+00	3.22E-03	5.62E-04
11409	500525.1	3734066	3.29E-03	0.00E+00	3.29E-03	5.73E-04
11410	500516.1	3734070	3.35E-03	0.00E+00	3.35E-03	5.83E-04
11411	500507.1	3734074	3.41E-03	0.00E+00	3.41E-03	5.94E-04
11412	500498.2	3734077	3.47E-03	0.00E+00	3.47E-03	6.05E-04
11413	500489.2	3734081	3.53E-03	0.00E+00	3.53E-03	6.16E-04
11414	500480.2	3734085	3.60E-03	0.00E+00	3.60E-03	6.27E-04

11415	500471.2	3734089	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11416	500462.2	3734092	3.72E-03	0.00E+00	3.72E-03	6.48E-04
11417	500453.2	3734096	3.78E-03	0.00E+00	3.78E-03	6.59E-04
11418	500444.2	3734100	3.84E-03	0.00E+00	3.84E-03	6.70E-04
11419	500435.3	3734103	3.91E-03	0.00E+00	3.91E-03	6.80E-04
11420	500426.3	3734107	3.97E-03	0.00E+00	3.97E-03	6.91E-04
11421	500417.3	3734111	4.03E-03	0.00E+00	4.03E-03	7.02E-04
11422	500408.3	3734115	4.09E-03	0.00E+00	4.09E-03	7.12E-04
11423	500399.3	3734118	4.15E-03	0.00E+00	4.15E-03	7.22E-04
11424	500390.3	3734122	4.21E-03	0.00E+00	4.21E-03	7.33E-04
11425	500381.3	3734126	4.26E-03	0.00E+00	4.26E-03	7.43E-04
11426	500372.3	3734129	4.32E-03	0.00E+00	4.32E-03	7.53E-04
11427	500363.4	3734133	4.38E-03	0.00E+00	4.38E-03	7.63E-04
11428	500282.5	3734166	4.84E-03	0.00E+00	4.84E-03	8.44E-04
11429	500273.5	3734170	4.89E-03	0.00E+00	4.89E-03	8.52E-04
11430	500264.5	3734174	4.93E-03	0.00E+00	4.93E-03	8.60E-04
11431	500255.5	3734177	4.98E-03	0.00E+00	4.98E-03	8.67E-04
11432	500246.5	3734181	5.02E-03	0.00E+00	5.02E-03	8.74E-04
11433	500237.6	3734185	5.06E-03	0.00E+00	5.06E-03	8.81E-04
11434	500228.6	3734189	5.10E-03	0.00E+00	5.10E-03	8.88E-04
11435	500219.6	3734192	5.13E-03	0.00E+00	5.13E-03	8.95E-04
11436	500853.9	3733544	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11437	500853.9	3733534	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11438	500853.9	3733525	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11439	500854	3733515	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11440	500854	3733505	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11441	500854	3733495	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11442	500854	3733486	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11443	500854	3733476	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11444	500854	3733466	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11445	500854	3733457	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11446	500854	3733447	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11447	500854	3733437	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11448	500854	3733427	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11449	500854.1	3733418	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11450	500854.1	3733408	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11451	500854.1	3733359	1.43E-03	0.00E+00	1.43E-03	2.49E-04
11452	500854.1	3733350	1.44E-03	0.00E+00	1.44E-03	2.50E-04
11453	500854.1	3733340	1.44E-03	0.00E+00	1.44E-03	2.51E-04
11454	500854.1	3733330	1.44E-03	0.00E+00	1.44E-03	2.52E-04
11455	500854.2	3733320	1.45E-03	0.00E+00	1.45E-03	2.53E-04
11456	500854.2	3733311	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11457	500854.2	3733301	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11458	500854.2	3733291	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11459	500854.2	3733282	1.48E-03	0.00E+00	1.48E-03	2.57E-04
11460	500854.2	3733272	1.48E-03	0.00E+00	1.48E-03	2.58E-04
11461	500854.2	3733262	1.49E-03	0.00E+00	1.49E-03	2.60E-04

11462	500854.2	3733252	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11463	500854.2	3733243	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11464	500854.2	3733233	1.52E-03	0.00E+00	1.52E-03	2.64E-04
11465	500854.3	3733223	1.53E-03	0.00E+00	1.53E-03	2.66E-04
11466	500854.3	3733213	1.58E-03	0.00E+00	1.58E-03	2.74E-04
11467	500854.3	3733204	1.59E-03	0.00E+00	1.59E-03	2.76E-04
11468	500890.3	3733553	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11469	500886.6	3733562	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11470	500882.9	3733571	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11471	500879.2	3733579	1.35E-03	0.00E+00	1.35E-03	2.36E-04
11472	500875.6	3733588	1.36E-03	0.00E+00	1.36E-03	2.38E-04
11473	500871.9	3733597	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11474	500868.2	3733606	1.39E-03	0.00E+00	1.39E-03	2.42E-04
11475	500864.5	3733615	1.41E-03	0.00E+00	1.41E-03	2.45E-04
11476	500860.9	3733624	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11477	500857.2	3733633	1.43E-03	0.00E+00	1.43E-03	2.50E-04
11478	500853.5	3733641	1.45E-03	0.00E+00	1.45E-03	2.52E-04
11479	500849.8	3733650	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11480	500846.2	3733659	1.48E-03	0.00E+00	1.48E-03	2.58E-04
11481	500842.5	3733668	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11482	500838.8	3733677	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11483	500835.1	3733686	1.53E-03	0.00E+00	1.53E-03	2.66E-04
11484	500831.5	3733694	1.54E-03	0.00E+00	1.54E-03	2.69E-04
11485	500827.8	3733703	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11486	500824.1	3733712	1.58E-03	0.00E+00	1.58E-03	2.75E-04
11487	500820.4	3733721	1.59E-03	0.00E+00	1.59E-03	2.78E-04
11488	500816.8	3733730	1.61E-03	0.00E+00	1.61E-03	2.81E-04
11489	500794.7	3733783	1.72E-03	0.00E+00	1.72E-03	2.99E-04
11490	500791	3733792	1.74E-03	0.00E+00	1.74E-03	3.02E-04
11491	500787.4	3733800	1.75E-03	0.00E+00	1.75E-03	3.06E-04
11492	500783.7	3733809	1.77E-03	0.00E+00	1.77E-03	3.09E-04
11493	500780	3733818	1.79E-03	0.00E+00	1.79E-03	3.12E-04
11494	500776.3	3733827	1.81E-03	0.00E+00	1.81E-03	3.15E-04
11495	500772.7	3733836	1.83E-03	0.00E+00	1.83E-03	3.19E-04
11496	500769	3733845	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11497	500765.3	3733853	1.87E-03	0.00E+00	1.87E-03	3.25E-04
11498	500761.6	3733862	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11499	500758	3733871	1.90E-03	0.00E+00	1.90E-03	3.31E-04
11500	500754.3	3733880	1.92E-03	0.00E+00	1.92E-03	3.35E-04
11501	500750.6	3733889	1.94E-03	0.00E+00	1.94E-03	3.38E-04
11502	500746.9	3733898	1.96E-03	0.00E+00	1.96E-03	3.41E-04
11503	500743.3	3733907	1.98E-03	0.00E+00	1.98E-03	3.44E-04
11504	500739.6	3733915	1.99E-03	0.00E+00	1.99E-03	3.48E-04
11505	500735.9	3733924	2.01E-03	0.00E+00	2.01E-03	3.51E-04
11506	500732.2	3733933	2.03E-03	0.00E+00	2.03E-03	3.54E-04
11507	500728.6	3733942	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11508	500724.9	3733951	2.07E-03	0.00E+00	2.07E-03	3.60E-04

11509	500679.3	3734043	2.28E-03	0.00E+00	2.28E-03	3.97E-04
11510	500670.5	3734046	2.33E-03	0.00E+00	2.33E-03	4.05E-04
11511	500661.6	3734050	2.37E-03	0.00E+00	2.37E-03	4.13E-04
11512	500652.8	3734054	2.42E-03	0.00E+00	2.42E-03	4.22E-04
11513	500643.9	3734057	2.47E-03	0.00E+00	2.47E-03	4.30E-04
11514	500635.1	3734061	2.52E-03	0.00E+00	2.52E-03	4.39E-04
11515	500626.2	3734065	2.57E-03	0.00E+00	2.57E-03	4.48E-04
11516	500617.4	3734068	2.62E-03	0.00E+00	2.62E-03	4.57E-04
11517	500590.8	3734079	2.78E-03	0.00E+00	2.78E-03	4.84E-04
11518	500582	3734083	2.85E-03	0.00E+00	2.85E-03	4.96E-04
11519	500573.1	3734087	2.90E-03	0.00E+00	2.90E-03	5.05E-04
11520	500564.3	3734090	2.95E-03	0.00E+00	2.95E-03	5.15E-04
11521	500555.4	3734094	3.01E-03	0.00E+00	3.01E-03	5.24E-04
11522	500546.6	3734097	3.06E-03	0.00E+00	3.06E-03	5.33E-04
11523	500537.7	3734101	3.12E-03	0.00E+00	3.12E-03	5.43E-04
11524	500528.9	3734105	3.17E-03	0.00E+00	3.17E-03	5.52E-04
11525	500520	3734108	3.22E-03	0.00E+00	3.22E-03	5.62E-04
11526	500511.2	3734112	3.28E-03	0.00E+00	3.28E-03	5.71E-04
11527	500502.3	3734116	3.33E-03	0.00E+00	3.33E-03	5.81E-04
11528	500493.5	3734119	3.39E-03	0.00E+00	3.39E-03	5.91E-04
11529	500484.6	3734123	3.44E-03	0.00E+00	3.44E-03	6.00E-04
11530	500475.7	3734127	3.50E-03	0.00E+00	3.50E-03	6.10E-04
11531	500466.9	3734130	3.55E-03	0.00E+00	3.55E-03	6.19E-04
11532	500458	3734134	3.61E-03	0.00E+00	3.61E-03	6.29E-04
11533	500378.4	3734167	4.08E-03	0.00E+00	4.08E-03	7.11E-04
11534	500369.5	3734170	4.13E-03	0.00E+00	4.13E-03	7.19E-04
11535	500360.7	3734174	4.18E-03	0.00E+00	4.18E-03	7.28E-04
11536	500351.8	3734178	4.23E-03	0.00E+00	4.23E-03	7.36E-04
11537	500343	3734181	4.27E-03	0.00E+00	4.27E-03	7.44E-04
11538	500334.1	3734185	4.32E-03	0.00E+00	4.32E-03	7.52E-04
11539	500325.3	3734189	4.36E-03	0.00E+00	4.36E-03	7.60E-04
11540	500316.4	3734192	4.41E-03	0.00E+00	4.41E-03	7.68E-04
11541	500307.6	3734196	4.45E-03	0.00E+00	4.45E-03	7.75E-04
11542	500298.7	3734200	4.49E-03	0.00E+00	4.49E-03	7.83E-04
11543	500289.9	3734203	4.53E-03	0.00E+00	4.53E-03	7.90E-04
11544	500281	3734207	4.57E-03	0.00E+00	4.57E-03	7.97E-04
11545	500272.2	3734211	4.61E-03	0.00E+00	4.61E-03	8.04E-04
11546	500263.3	3734214	4.65E-03	0.00E+00	4.65E-03	8.10E-04
11547	500254.5	3734218	4.69E-03	0.00E+00	4.69E-03	8.17E-04
11548	500245.6	3734222	4.72E-03	0.00E+00	4.72E-03	8.23E-04
11549	500236.8	3734225	4.76E-03	0.00E+00	4.76E-03	8.29E-04
11550	500227.9	3734229	4.79E-03	0.00E+00	4.79E-03	8.34E-04
11551	500219.1	3734232	4.82E-03	0.00E+00	4.82E-03	8.40E-04
11552	500893.9	3733544	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11553	500893.9	3733534	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11554	500893.9	3733525	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11555	500894	3733515	1.30E-03	0.00E+00	1.30E-03	2.26E-04

11556	500894	3733505	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11557	500894	3733496	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11558	500894	3733486	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11559	500894	3733476	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11560	500894	3733466	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11561	500894	3733457	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11562	500894	3733447	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11563	500894	3733437	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11564	500894	3733427	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11565	500894.1	3733379	1.31E-03	0.00E+00	1.31E-03	2.28E-04
11566	500894.1	3733369	1.31E-03	0.00E+00	1.31E-03	2.28E-04
11567	500894.1	3733359	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11568	500894.1	3733350	1.32E-03	0.00E+00	1.32E-03	2.30E-04
11569	500894.1	3733340	1.32E-03	0.00E+00	1.32E-03	2.30E-04
11570	500894.1	3733330	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11571	500894.2	3733320	1.33E-03	0.00E+00	1.33E-03	2.32E-04
11572	500894.2	3733311	1.33E-03	0.00E+00	1.33E-03	2.33E-04
11573	500894.2	3733301	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11574	500894.2	3733291	1.35E-03	0.00E+00	1.35E-03	2.34E-04
11575	500894.2	3733282	1.35E-03	0.00E+00	1.35E-03	2.35E-04
11576	500894.2	3733272	1.36E-03	0.00E+00	1.36E-03	2.37E-04
11577	500894.2	3733262	1.36E-03	0.00E+00	1.36E-03	2.38E-04
11578	500894.2	3733252	1.37E-03	0.00E+00	1.37E-03	2.39E-04
11579	500894.2	3733243	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11580	500894.2	3733233	1.39E-03	0.00E+00	1.39E-03	2.41E-04
11581	500894.3	3733223	1.39E-03	0.00E+00	1.39E-03	2.43E-04
11582	500894.3	3733213	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11583	500894.3	3733204	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11584	500930.2	3733553	1.20E-03	0.00E+00	1.20E-03	2.10E-04
11585	500926.6	3733562	1.22E-03	0.00E+00	1.22E-03	2.12E-04
11586	500922.9	3733571	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11587	500919.2	3733580	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11588	500915.5	3733589	1.25E-03	0.00E+00	1.25E-03	2.18E-04
11589	500911.8	3733597	1.26E-03	0.00E+00	1.26E-03	2.20E-04
11590	500908.1	3733606	1.28E-03	0.00E+00	1.28E-03	2.22E-04
11591	500904.4	3733615	1.29E-03	0.00E+00	1.29E-03	2.25E-04
11592	500900.7	3733624	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11593	500897.1	3733633	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11594	500893.4	3733642	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11595	500889.7	3733651	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11596	500886	3733659	1.35E-03	0.00E+00	1.35E-03	2.36E-04
11597	500882.3	3733668	1.37E-03	0.00E+00	1.37E-03	2.38E-04
11598	500878.6	3733677	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11599	500874.9	3733686	1.40E-03	0.00E+00	1.40E-03	2.43E-04
11600	500871.2	3733695	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11601	500867.6	3733704	1.43E-03	0.00E+00	1.43E-03	2.48E-04
11602	500863.9	3733713	1.44E-03	0.00E+00	1.44E-03	2.51E-04

11603	500860.2	3733722	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11604	500856.5	3733730	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11605	500841.8	3733766	1.53E-03	0.00E+00	1.53E-03	2.67E-04
11606	500838.1	3733775	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11607	500834.4	3733784	1.56E-03	0.00E+00	1.56E-03	2.73E-04
11608	500830.7	3733793	1.58E-03	0.00E+00	1.58E-03	2.76E-04
11609	500827	3733801	1.60E-03	0.00E+00	1.60E-03	2.78E-04
11610	500823.3	3733810	1.61E-03	0.00E+00	1.61E-03	2.81E-04
11611	500819.6	3733819	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11612	500815.9	3733828	1.65E-03	0.00E+00	1.65E-03	2.87E-04
11613	500812.3	3733837	1.66E-03	0.00E+00	1.66E-03	2.90E-04
11614	500793.8	3733881	1.75E-03	0.00E+00	1.75E-03	3.04E-04
11615	500790.1	3733890	1.76E-03	0.00E+00	1.76E-03	3.07E-04
11616	500786.4	3733899	1.78E-03	0.00E+00	1.78E-03	3.10E-04
11617	500782.8	3733908	1.80E-03	0.00E+00	1.80E-03	3.13E-04
11618	500779.1	3733917	1.81E-03	0.00E+00	1.81E-03	3.16E-04
11619	500775.4	3733926	1.83E-03	0.00E+00	1.83E-03	3.19E-04
11620	500771.7	3733934	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11621	500768	3733943	1.86E-03	0.00E+00	1.86E-03	3.25E-04
11622	500764.3	3733952	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11623	500727.5	3734041	2.04E-03	0.00E+00	2.04E-03	3.55E-04
11624	500723.8	3734050	2.05E-03	0.00E+00	2.05E-03	3.57E-04
11625	500720.1	3734059	2.07E-03	0.00E+00	2.07E-03	3.60E-04
11626	500707.5	3734071	2.12E-03	0.00E+00	2.12E-03	3.70E-04
11627	500698.6	3734075	2.16E-03	0.00E+00	2.16E-03	3.77E-04
11628	500689.8	3734078	2.21E-03	0.00E+00	2.21E-03	3.84E-04
11629	500680.9	3734082	2.25E-03	0.00E+00	2.25E-03	3.92E-04
11630	500672	3734086	2.29E-03	0.00E+00	2.29E-03	3.99E-04
11631	500663.1	3734089	2.34E-03	0.00E+00	2.34E-03	4.07E-04
11632	500654.2	3734093	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11633	500645.4	3734097	2.43E-03	0.00E+00	2.43E-03	4.23E-04
11634	500636.5	3734100	2.47E-03	0.00E+00	2.47E-03	4.31E-04
11635	500627.6	3734104	2.52E-03	0.00E+00	2.52E-03	4.39E-04
11636	500618.7	3734108	2.57E-03	0.00E+00	2.57E-03	4.47E-04
11637	500592.1	3734119	2.72E-03	0.00E+00	2.72E-03	4.73E-04
11638	500583.2	3734122	2.76E-03	0.00E+00	2.76E-03	4.82E-04
11639	500574.3	3734126	2.81E-03	0.00E+00	2.81E-03	4.90E-04
11640	500565.4	3734130	2.86E-03	0.00E+00	2.86E-03	4.99E-04
11641	500556.6	3734133	2.92E-03	0.00E+00	2.92E-03	5.09E-04
11642	500476.6	3734166	3.37E-03	0.00E+00	3.37E-03	5.87E-04
11643	500467.8	3734170	3.42E-03	0.00E+00	3.42E-03	5.96E-04
11644	500458.9	3734174	3.47E-03	0.00E+00	3.47E-03	6.04E-04
11645	500450	3734177	3.52E-03	0.00E+00	3.52E-03	6.12E-04
11646	500441.1	3734181	3.56E-03	0.00E+00	3.56E-03	6.21E-04
11647	500432.2	3734185	3.61E-03	0.00E+00	3.61E-03	6.29E-04
11648	500423.3	3734188	3.66E-03	0.00E+00	3.66E-03	6.37E-04
11649	500414.5	3734192	3.70E-03	0.00E+00	3.70E-03	6.45E-04

11650	500405.6	3734196	3.75E-03	0.00E+00	3.75E-03	6.53E-04
11651	500396.7	3734199	3.80E-03	0.00E+00	3.80E-03	6.61E-04
11652	500387.8	3734203	3.84E-03	0.00E+00	3.84E-03	6.69E-04
11653	500378.9	3734207	3.89E-03	0.00E+00	3.89E-03	6.77E-04
11654	500370.1	3734210	3.93E-03	0.00E+00	3.93E-03	6.85E-04
11655	500361.2	3734214	3.97E-03	0.00E+00	3.97E-03	6.92E-04
11656	500352.3	3734218	4.01E-03	0.00E+00	4.01E-03	6.99E-04
11657	500343.4	3734221	4.05E-03	0.00E+00	4.05E-03	7.06E-04
11658	500334.5	3734225	4.09E-03	0.00E+00	4.09E-03	7.13E-04
11659	500325.7	3734228	4.13E-03	0.00E+00	4.13E-03	7.20E-04
11660	500316.8	3734232	4.17E-03	0.00E+00	4.17E-03	7.27E-04
11661	500307.9	3734236	4.21E-03	0.00E+00	4.21E-03	7.34E-04
11662	500299	3734239	4.25E-03	0.00E+00	4.25E-03	7.40E-04
11663	500290.1	3734243	4.28E-03	0.00E+00	4.28E-03	7.46E-04
11664	500281.3	3734247	4.32E-03	0.00E+00	4.32E-03	7.52E-04
11665	500272.4	3734250	4.35E-03	0.00E+00	4.35E-03	7.58E-04
11666	500263.5	3734254	4.38E-03	0.00E+00	4.38E-03	7.64E-04
11667	500254.6	3734258	4.42E-03	0.00E+00	4.42E-03	7.69E-04
11668	500245.7	3734261	4.45E-03	0.00E+00	4.45E-03	7.75E-04
11669	500236.9	3734265	4.48E-03	0.00E+00	4.48E-03	7.80E-04
11670	500228	3734269	4.51E-03	0.00E+00	4.51E-03	7.85E-04
11671	500219.1	3734272	4.53E-03	0.00E+00	4.53E-03	7.90E-04
11672	500933.9	3733544	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11673	500933.9	3733534	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11674	500933.9	3733525	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11675	500934	3733515	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11676	500934	3733505	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11677	500934	3733496	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11678	500934	3733486	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11679	500934	3733476	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11680	500934	3733466	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11681	500934	3733457	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11682	500934	3733447	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11683	500934.1	3733398	1.20E-03	0.00E+00	1.20E-03	2.09E-04
11684	500934.1	3733389	1.20E-03	0.00E+00	1.20E-03	2.10E-04
11685	500934.1	3733379	1.21E-03	0.00E+00	1.21E-03	2.10E-04
11686	500934.1	3733369	1.21E-03	0.00E+00	1.21E-03	2.11E-04
11687	500934.1	3733359	1.21E-03	0.00E+00	1.21E-03	2.11E-04
11688	500934.1	3733350	1.21E-03	0.00E+00	1.21E-03	2.12E-04
11689	500934.1	3733340	1.22E-03	0.00E+00	1.22E-03	2.12E-04
11690	500934.1	3733330	1.22E-03	0.00E+00	1.22E-03	2.13E-04
11691	500934.2	3733321	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11692	500934.2	3733311	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11693	500934.2	3733301	1.23E-03	0.00E+00	1.23E-03	2.15E-04
11694	500934.2	3733291	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11695	500934.2	3733282	1.24E-03	0.00E+00	1.24E-03	2.17E-04
11696	500934.2	3733272	1.25E-03	0.00E+00	1.25E-03	2.18E-04

11697	500934.2	3733262	1.26E-03	0.00E+00	1.26E-03	2.19E-04
11698	500934.2	3733252	1.26E-03	0.00E+00	1.26E-03	2.20E-04
11699	500934.2	3733243	1.27E-03	0.00E+00	1.27E-03	2.21E-04
11700	500934.2	3733233	1.27E-03	0.00E+00	1.27E-03	2.22E-04
11701	500934.3	3733223	1.28E-03	0.00E+00	1.28E-03	2.23E-04
11702	500934.3	3733214	1.29E-03	0.00E+00	1.29E-03	2.24E-04
11703	500934.3	3733204	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11704	500970.2	3733553	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11705	500966.5	3733562	1.12E-03	0.00E+00	1.12E-03	1.96E-04
11706	500962.8	3733571	1.13E-03	0.00E+00	1.13E-03	1.97E-04
11707	500959.1	3733580	1.14E-03	0.00E+00	1.14E-03	1.99E-04
11708	500955.4	3733589	1.15E-03	0.00E+00	1.15E-03	2.01E-04
11709	500951.7	3733598	1.16E-03	0.00E+00	1.16E-03	2.03E-04
11710	500948	3733606	1.17E-03	0.00E+00	1.17E-03	2.05E-04
11711	500944.3	3733615	1.18E-03	0.00E+00	1.18E-03	2.06E-04
11712	500940.6	3733624	1.20E-03	0.00E+00	1.20E-03	2.08E-04
11713	500936.9	3733633	1.21E-03	0.00E+00	1.21E-03	2.10E-04
11714	500933.2	3733642	1.22E-03	0.00E+00	1.22E-03	2.12E-04
11715	500929.5	3733651	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11716	500925.8	3733660	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11717	500922.2	3733669	1.25E-03	0.00E+00	1.25E-03	2.18E-04
11718	500918.5	3733678	1.27E-03	0.00E+00	1.27E-03	2.21E-04
11719	500914.8	3733687	1.28E-03	0.00E+00	1.28E-03	2.23E-04
11720	500911.1	3733695	1.29E-03	0.00E+00	1.29E-03	2.25E-04
11721	500907.4	3733704	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11722	500903.7	3733713	1.32E-03	0.00E+00	1.32E-03	2.29E-04
11723	500900	3733722	1.33E-03	0.00E+00	1.33E-03	2.32E-04
11724	500896.3	3733731	1.34E-03	0.00E+00	1.34E-03	2.34E-04
11725	500881.5	3733767	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11726	500877.8	3733776	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11727	500874.1	3733784	1.43E-03	0.00E+00	1.43E-03	2.49E-04
11728	500870.4	3733793	1.44E-03	0.00E+00	1.44E-03	2.51E-04
11729	500866.7	3733802	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11730	500863	3733811	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11731	500859.3	3733820	1.48E-03	0.00E+00	1.48E-03	2.59E-04
11732	500855.6	3733829	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11733	500851.9	3733838	1.52E-03	0.00E+00	1.52E-03	2.64E-04
11734	500848.2	3733847	1.53E-03	0.00E+00	1.53E-03	2.67E-04
11735	500844.5	3733856	1.55E-03	0.00E+00	1.55E-03	2.69E-04
11736	500840.8	3733864	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11737	500837.1	3733873	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11738	500833.4	3733882	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11739	500829.7	3733891	1.60E-03	0.00E+00	1.60E-03	2.79E-04
11740	500826	3733900	1.62E-03	0.00E+00	1.62E-03	2.82E-04
11741	500822.3	3733909	1.64E-03	0.00E+00	1.64E-03	2.85E-04
11742	500818.6	3733918	1.65E-03	0.00E+00	1.65E-03	2.88E-04
11743	500814.9	3733927	1.67E-03	0.00E+00	1.67E-03	2.91E-04

11744	500766.8	3734042	1.86E-03	0.00E+00	1.86E-03	3.24E-04
11745	500763.1	3734051	1.87E-03	0.00E+00	1.87E-03	3.26E-04
11746	500759.4	3734060	1.89E-03	0.00E+00	1.89E-03	3.28E-04
11747	500755.7	3734069	1.90E-03	0.00E+00	1.90E-03	3.31E-04
11748	500752	3734078	1.91E-03	0.00E+00	1.91E-03	3.34E-04
11749	500748.3	3734087	1.93E-03	0.00E+00	1.93E-03	3.36E-04
11750	500735.7	3734099	1.98E-03	0.00E+00	1.98E-03	3.45E-04
11751	500726.8	3734103	2.02E-03	0.00E+00	2.02E-03	3.51E-04
11752	500717.9	3734107	2.05E-03	0.00E+00	2.05E-03	3.58E-04
11753	500709	3734110	2.09E-03	0.00E+00	2.09E-03	3.65E-04
11754	500700.1	3734114	2.13E-03	0.00E+00	2.13E-03	3.72E-04
11755	500691.2	3734118	2.17E-03	0.00E+00	2.17E-03	3.79E-04
11756	500682.3	3734121	2.22E-03	0.00E+00	2.22E-03	3.86E-04
11757	500673.4	3734125	2.26E-03	0.00E+00	2.26E-03	3.93E-04
11758	500664.5	3734129	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11759	500655.6	3734132	2.34E-03	0.00E+00	2.34E-03	4.08E-04
11760	500646.7	3734136	2.38E-03	0.00E+00	2.38E-03	4.15E-04
11761	500566.5	3734169	2.79E-03	0.00E+00	2.79E-03	4.85E-04
11762	500557.6	3734173	2.84E-03	0.00E+00	2.84E-03	4.95E-04
11763	500548.7	3734177	2.88E-03	0.00E+00	2.88E-03	5.01E-04
11764	500539.8	3734180	2.92E-03	0.00E+00	2.92E-03	5.09E-04
11765	500530.9	3734184	2.98E-03	0.00E+00	2.98E-03	5.19E-04
11766	500522	3734188	3.02E-03	0.00E+00	3.02E-03	5.26E-04
11767	500513	3734191	3.07E-03	0.00E+00	3.07E-03	5.34E-04
11768	500504.1	3734195	3.11E-03	0.00E+00	3.11E-03	5.42E-04
11769	500495.2	3734199	3.16E-03	0.00E+00	3.16E-03	5.50E-04
11770	500486.3	3734202	3.20E-03	0.00E+00	3.20E-03	5.58E-04
11771	500477.4	3734206	3.24E-03	0.00E+00	3.24E-03	5.65E-04
11772	500468.5	3734210	3.29E-03	0.00E+00	3.29E-03	5.73E-04
11773	500459.6	3734213	3.33E-03	0.00E+00	3.33E-03	5.80E-04
11774	500450.7	3734217	3.37E-03	0.00E+00	3.37E-03	5.88E-04
11775	500441.8	3734221	3.42E-03	0.00E+00	3.42E-03	5.95E-04
11776	500432.9	3734224	3.46E-03	0.00E+00	3.46E-03	6.03E-04
11777	500424	3734228	3.50E-03	0.00E+00	3.50E-03	6.10E-04
11778	500415.1	3734232	3.54E-03	0.00E+00	3.54E-03	6.17E-04
11779	500406.2	3734235	3.58E-03	0.00E+00	3.58E-03	6.24E-04
11780	500397.3	3734239	3.62E-03	0.00E+00	3.62E-03	6.31E-04
11781	500388.3	3734243	3.66E-03	0.00E+00	3.66E-03	6.38E-04
11782	500379.4	3734246	3.70E-03	0.00E+00	3.70E-03	6.45E-04
11783	500370.5	3734250	3.74E-03	0.00E+00	3.74E-03	6.52E-04
11784	500361.6	3734254	3.78E-03	0.00E+00	3.78E-03	6.59E-04
11785	500352.7	3734257	3.82E-03	0.00E+00	3.82E-03	6.65E-04
11786	500343.8	3734261	3.85E-03	0.00E+00	3.85E-03	6.71E-04
11787	500334.9	3734265	3.89E-03	0.00E+00	3.89E-03	6.77E-04
11788	500326	3734268	3.92E-03	0.00E+00	3.92E-03	6.84E-04
11789	500317.1	3734272	3.96E-03	0.00E+00	3.96E-03	6.89E-04
11790	500308.2	3734276	3.99E-03	0.00E+00	3.99E-03	6.95E-04

11791	500299.3	3734279	4.02E-03	0.00E+00	4.02E-03	7.01E-04
11792	500290.4	3734283	4.05E-03	0.00E+00	4.05E-03	7.06E-04
11793	500281.5	3734287	4.08E-03	0.00E+00	4.08E-03	7.12E-04
11794	500272.5	3734290	4.11E-03	0.00E+00	4.11E-03	7.17E-04
11795	500263.6	3734294	4.14E-03	0.00E+00	4.14E-03	7.22E-04
11796	500254.7	3734298	4.17E-03	0.00E+00	4.17E-03	7.27E-04
11797	500245.8	3734301	4.20E-03	0.00E+00	4.20E-03	7.31E-04
11798	500236.9	3734305	4.22E-03	0.00E+00	4.22E-03	7.36E-04
11799	500228	3734309	4.25E-03	0.00E+00	4.25E-03	7.40E-04
11800	500219.1	3734312	4.27E-03	0.00E+00	4.27E-03	7.44E-04
11801	500973.9	3733544	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11802	500973.9	3733534	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11803	500973.9	3733525	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11804	500974	3733515	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11805	500974	3733505	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11806	500974	3733496	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11807	500974	3733486	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11808	500974	3733476	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11809	500974	3733466	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11810	500974	3733457	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11811	500974.1	3733408	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11812	500974.1	3733398	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11813	500974.1	3733389	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11814	500974.1	3733379	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11815	500974.1	3733369	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11816	500974.1	3733359	1.12E-03	0.00E+00	1.12E-03	1.95E-04
11817	500974.1	3733350	1.12E-03	0.00E+00	1.12E-03	1.95E-04
11818	500974.1	3733340	1.12E-03	0.00E+00	1.12E-03	1.96E-04
11819	500974.1	3733330	1.13E-03	0.00E+00	1.13E-03	1.96E-04
11820	500974.2	3733321	1.13E-03	0.00E+00	1.13E-03	1.97E-04
11821	500974.2	3733311	1.14E-03	0.00E+00	1.14E-03	1.98E-04
11822	500974.2	3733301	1.14E-03	0.00E+00	1.14E-03	1.99E-04
11823	500974.2	3733291	1.15E-03	0.00E+00	1.15E-03	2.00E-04
11824	500974.2	3733282	1.15E-03	0.00E+00	1.15E-03	2.00E-04
11825	500974.2	3733272	1.16E-03	0.00E+00	1.16E-03	2.01E-04
11826	500974.2	3733262	1.16E-03	0.00E+00	1.16E-03	2.02E-04
11827	500974.2	3733252	1.17E-03	0.00E+00	1.17E-03	2.03E-04
11828	500974.2	3733243	1.17E-03	0.00E+00	1.17E-03	2.04E-04
11829	500974.2	3733233	1.18E-03	0.00E+00	1.18E-03	2.05E-04
11830	500974.3	3733223	1.18E-03	0.00E+00	1.18E-03	2.06E-04
11831	500974.3	3733214	1.19E-03	0.00E+00	1.19E-03	2.07E-04
11832	500974.3	3733204	1.20E-03	0.00E+00	1.20E-03	2.08E-04
11833	500999.1	3733580	1.06E-03	0.00E+00	1.06E-03	1.85E-04
11834	500995.4	3733589	1.07E-03	0.00E+00	1.07E-03	1.86E-04
11835	500991.7	3733598	1.08E-03	0.00E+00	1.08E-03	1.88E-04
11836	500988	3733607	1.09E-03	0.00E+00	1.09E-03	1.89E-04
11837	500984.3	3733616	1.10E-03	0.00E+00	1.10E-03	1.91E-04

11838	500980.5	3733625	1.11E-03	0.00E+00	1.11E-03	1.93E-04
11839	500976.8	3733633	1.12E-03	0.00E+00	1.12E-03	1.94E-04
11840	500973.1	3733642	1.13E-03	0.00E+00	1.13E-03	1.96E-04
11841	500969.4	3733651	1.14E-03	0.00E+00	1.14E-03	1.98E-04
11842	500965.7	3733660	1.15E-03	0.00E+00	1.15E-03	2.00E-04
11843	500962	3733669	1.16E-03	0.00E+00	1.16E-03	2.02E-04
11844	500958.3	3733678	1.17E-03	0.00E+00	1.17E-03	2.04E-04
11845	500954.6	3733687	1.18E-03	0.00E+00	1.18E-03	2.06E-04
11846	500950.9	3733696	1.19E-03	0.00E+00	1.19E-03	2.08E-04
11847	500947.2	3733705	1.20E-03	0.00E+00	1.20E-03	2.10E-04
11848	500943.5	3733714	1.21E-03	0.00E+00	1.21E-03	2.12E-04
11849	500939.8	3733723	1.23E-03	0.00E+00	1.23E-03	2.14E-04
11850	500936	3733732	1.24E-03	0.00E+00	1.24E-03	2.16E-04
11851	500921.2	3733767	1.29E-03	0.00E+00	1.29E-03	2.24E-04
11852	500917.5	3733776	1.30E-03	0.00E+00	1.30E-03	2.26E-04
11853	500913.8	3733785	1.31E-03	0.00E+00	1.31E-03	2.28E-04
11854	500910.1	3733794	1.32E-03	0.00E+00	1.32E-03	2.31E-04
11855	500906.4	3733803	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11856	500902.7	3733812	1.35E-03	0.00E+00	1.35E-03	2.35E-04
11857	500899	3733821	1.36E-03	0.00E+00	1.36E-03	2.37E-04
11858	500895.3	3733830	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11859	500891.5	3733839	1.39E-03	0.00E+00	1.39E-03	2.42E-04
11860	500887.8	3733848	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11861	500884.1	3733856	1.42E-03	0.00E+00	1.42E-03	2.47E-04
11862	500880.4	3733865	1.43E-03	0.00E+00	1.43E-03	2.49E-04
11863	500876.7	3733874	1.44E-03	0.00E+00	1.44E-03	2.51E-04
11864	500873	3733883	1.46E-03	0.00E+00	1.46E-03	2.54E-04
11865	500869.3	3733892	1.47E-03	0.00E+00	1.47E-03	2.56E-04
11866	500865.6	3733901	1.48E-03	0.00E+00	1.48E-03	2.58E-04
11867	500861.9	3733910	1.50E-03	0.00E+00	1.50E-03	2.61E-04
11868	500858.2	3733919	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11869	500854.5	3733928	1.52E-03	0.00E+00	1.52E-03	2.65E-04
11870	500850.8	3733937	1.54E-03	0.00E+00	1.54E-03	2.68E-04
11871	500847	3733946	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11872	500843.3	3733955	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11873	500839.6	3733964	1.58E-03	0.00E+00	1.58E-03	2.75E-04
11874	500835.9	3733972	1.59E-03	0.00E+00	1.59E-03	2.77E-04
11875	500832.2	3733981	1.60E-03	0.00E+00	1.60E-03	2.80E-04
11876	500828.5	3733990	1.62E-03	0.00E+00	1.62E-03	2.82E-04
11877	500824.8	3733999	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11878	500821.1	3734008	1.65E-03	0.00E+00	1.65E-03	2.87E-04
11879	500817.4	3734017	1.66E-03	0.00E+00	1.66E-03	2.89E-04
11880	500795.1	3734071	1.74E-03	0.00E+00	1.74E-03	3.03E-04
11881	500791.4	3734079	1.75E-03	0.00E+00	1.75E-03	3.05E-04
11882	500787.7	3734088	1.76E-03	0.00E+00	1.76E-03	3.07E-04
11883	500784	3734097	1.78E-03	0.00E+00	1.78E-03	3.09E-04
11884	500780.3	3734106	1.79E-03	0.00E+00	1.79E-03	3.12E-04

11885	500776.6	3734115	1.80E-03	0.00E+00	1.80E-03	3.14E-04
11886	500763.9	3734128	1.85E-03	0.00E+00	1.85E-03	3.22E-04
11887	500755	3734131	1.88E-03	0.00E+00	1.88E-03	3.28E-04
11888	500746.1	3734135	1.92E-03	0.00E+00	1.92E-03	3.34E-04
11889	500665.7	3734168	2.26E-03	0.00E+00	2.26E-03	3.93E-04
11890	500656.8	3734172	2.30E-03	0.00E+00	2.30E-03	4.00E-04
11891	500647.8	3734176	2.34E-03	0.00E+00	2.34E-03	4.07E-04
11892	500638.9	3734179	2.38E-03	0.00E+00	2.38E-03	4.14E-04
11893	500630	3734183	2.42E-03	0.00E+00	2.42E-03	4.21E-04
11894	500621	3734187	2.46E-03	0.00E+00	2.46E-03	4.29E-04
11895	500612.1	3734190	2.50E-03	0.00E+00	2.50E-03	4.36E-04
11896	500585.3	3734201	2.62E-03	0.00E+00	2.62E-03	4.57E-04
11897	500576.4	3734205	2.67E-03	0.00E+00	2.67E-03	4.64E-04
11898	500567.4	3734209	2.71E-03	0.00E+00	2.71E-03	4.72E-04
11899	500558.5	3734212	2.75E-03	0.00E+00	2.75E-03	4.79E-04
11900	500549.6	3734216	2.79E-03	0.00E+00	2.79E-03	4.86E-04
11901	500540.7	3734220	2.83E-03	0.00E+00	2.83E-03	4.94E-04
11902	500531.7	3734224	2.87E-03	0.00E+00	2.87E-03	5.01E-04
11903	500522.8	3734227	2.92E-03	0.00E+00	2.92E-03	5.08E-04
11904	500513.9	3734231	2.96E-03	0.00E+00	2.96E-03	5.15E-04
11905	500504.9	3734235	3.00E-03	0.00E+00	3.00E-03	5.22E-04
11906	500496	3734238	3.04E-03	0.00E+00	3.04E-03	5.30E-04
11907	500487.1	3734242	3.08E-03	0.00E+00	3.08E-03	5.37E-04
11908	500478.1	3734246	3.12E-03	0.00E+00	3.12E-03	5.44E-04
11909	500469.2	3734249	3.16E-03	0.00E+00	3.16E-03	5.51E-04
11910	500460.3	3734253	3.20E-03	0.00E+00	3.20E-03	5.58E-04
11911	500451.3	3734257	3.24E-03	0.00E+00	3.24E-03	5.65E-04
11912	500442.4	3734260	3.28E-03	0.00E+00	3.28E-03	5.71E-04
11913	500433.5	3734264	3.32E-03	0.00E+00	3.32E-03	5.78E-04
11914	500424.5	3734268	3.35E-03	0.00E+00	3.35E-03	5.84E-04
11915	500415.6	3734271	3.39E-03	0.00E+00	3.39E-03	5.91E-04
11916	500406.7	3734275	3.43E-03	0.00E+00	3.43E-03	5.97E-04
11917	500397.7	3734279	3.46E-03	0.00E+00	3.46E-03	6.03E-04
11918	500388.8	3734282	3.50E-03	0.00E+00	3.50E-03	6.09E-04
11919	500379.9	3734286	3.53E-03	0.00E+00	3.53E-03	6.15E-04
11920	500370.9	3734290	3.57E-03	0.00E+00	3.57E-03	6.21E-04
11921	500362	3734293	3.60E-03	0.00E+00	3.60E-03	6.27E-04
11922	500353.1	3734297	3.63E-03	0.00E+00	3.63E-03	6.33E-04
11923	500344.1	3734301	3.67E-03	0.00E+00	3.67E-03	6.39E-04
11924	500335.2	3734304	3.70E-03	0.00E+00	3.70E-03	6.44E-04
11925	500326.3	3734308	3.73E-03	0.00E+00	3.73E-03	6.49E-04
11926	500317.4	3734312	3.76E-03	0.00E+00	3.76E-03	6.55E-04
11927	500308.4	3734316	3.79E-03	0.00E+00	3.79E-03	6.60E-04
11928	500299.5	3734319	3.81E-03	0.00E+00	3.81E-03	6.65E-04
11929	500290.6	3734323	3.84E-03	0.00E+00	3.84E-03	6.69E-04
11930	500281.6	3734327	3.87E-03	0.00E+00	3.87E-03	6.74E-04
11931	500272.7	3734330	3.90E-03	0.00E+00	3.90E-03	6.79E-04

11932	500263.8	3734334	3.92E-03	0.00E+00	3.92E-03	6.83E-04
11933	500254.8	3734338	3.94E-03	0.00E+00	3.94E-03	6.87E-04
11934	500245.9	3734341	3.97E-03	0.00E+00	3.97E-03	6.91E-04
11935	500237	3734345	3.99E-03	0.00E+00	3.99E-03	6.95E-04
11936	500228	3734349	4.01E-03	0.00E+00	4.01E-03	6.99E-04
11937	500219.1	3734352	4.03E-03	0.00E+00	4.03E-03	7.03E-04
11938	501050.2	3733553	9.61E-04	0.00E+00	9.61E-04	1.67E-04
11939	501046.5	3733562	9.69E-04	0.00E+00	9.69E-04	1.69E-04
11940	501042.8	3733571	9.77E-04	0.00E+00	9.77E-04	1.70E-04
11941	501039.1	3733580	9.85E-04	0.00E+00	9.85E-04	1.72E-04
11942	501035.3	3733589	9.93E-04	0.00E+00	9.93E-04	1.73E-04
11943	501031.6	3733598	1.00E-03	0.00E+00	1.00E-03	1.74E-04
11944	501027.9	3733607	1.01E-03	0.00E+00	1.01E-03	1.76E-04
11945	501024.2	3733616	1.02E-03	0.00E+00	1.02E-03	1.77E-04
11946	500994.4	3733687	1.09E-03	0.00E+00	1.09E-03	1.90E-04
11947	500990.7	3733696	1.10E-03	0.00E+00	1.10E-03	1.92E-04
11948	500987	3733705	1.11E-03	0.00E+00	1.11E-03	1.94E-04
11949	500983.3	3733714	1.12E-03	0.00E+00	1.12E-03	1.96E-04
11950	500979.6	3733723	1.13E-03	0.00E+00	1.13E-03	1.98E-04
11951	500975.9	3733732	1.14E-03	0.00E+00	1.14E-03	1.99E-04
11952	500961	3733768	1.19E-03	0.00E+00	1.19E-03	2.07E-04
11953	500957.3	3733777	1.20E-03	0.00E+00	1.20E-03	2.09E-04
11954	500953.5	3733786	1.21E-03	0.00E+00	1.21E-03	2.11E-04
11955	500949.8	3733795	1.22E-03	0.00E+00	1.22E-03	2.13E-04
11956	500946.1	3733804	1.23E-03	0.00E+00	1.23E-03	2.15E-04
11957	500942.4	3733813	1.24E-03	0.00E+00	1.24E-03	2.17E-04
11958	500938.7	3733822	1.26E-03	0.00E+00	1.26E-03	2.19E-04
11959	500935	3733830	1.27E-03	0.00E+00	1.27E-03	2.21E-04
11960	500931.2	3733839	1.28E-03	0.00E+00	1.28E-03	2.23E-04
11961	500927.5	3733848	1.29E-03	0.00E+00	1.29E-03	2.25E-04
11962	500923.8	3733857	1.30E-03	0.00E+00	1.30E-03	2.27E-04
11963	500920.1	3733866	1.31E-03	0.00E+00	1.31E-03	2.29E-04
11964	500916.4	3733875	1.33E-03	0.00E+00	1.33E-03	2.31E-04
11965	500912.7	3733884	1.34E-03	0.00E+00	1.34E-03	2.33E-04
11966	500908.9	3733893	1.35E-03	0.00E+00	1.35E-03	2.35E-04
11967	500905.2	3733902	1.36E-03	0.00E+00	1.36E-03	2.37E-04
11968	500901.5	3733911	1.38E-03	0.00E+00	1.38E-03	2.40E-04
11969	500897.8	3733920	1.39E-03	0.00E+00	1.39E-03	2.42E-04
11970	500894.1	3733929	1.40E-03	0.00E+00	1.40E-03	2.44E-04
11971	500890.3	3733938	1.41E-03	0.00E+00	1.41E-03	2.46E-04
11972	500886.6	3733947	1.42E-03	0.00E+00	1.42E-03	2.48E-04
11973	500882.9	3733956	1.44E-03	0.00E+00	1.44E-03	2.50E-04
11974	500879.2	3733965	1.45E-03	0.00E+00	1.45E-03	2.52E-04
11975	500875.5	3733974	1.46E-03	0.00E+00	1.46E-03	2.55E-04
11976	500871.8	3733983	1.47E-03	0.00E+00	1.47E-03	2.57E-04
11977	500868	3733991	1.49E-03	0.00E+00	1.49E-03	2.59E-04
11978	500864.3	3734000	1.50E-03	0.00E+00	1.50E-03	2.61E-04

11979	500860.6	3734009	1.51E-03	0.00E+00	1.51E-03	2.63E-04
11980	500856.9	3734018	1.52E-03	0.00E+00	1.52E-03	2.65E-04
11981	500853.2	3734027	1.54E-03	0.00E+00	1.54E-03	2.68E-04
11982	500849.5	3734036	1.55E-03	0.00E+00	1.55E-03	2.70E-04
11983	500845.7	3734045	1.56E-03	0.00E+00	1.56E-03	2.72E-04
11984	500842	3734054	1.57E-03	0.00E+00	1.57E-03	2.74E-04
11985	500838.3	3734063	1.58E-03	0.00E+00	1.58E-03	2.76E-04
11986	500834.6	3734072	1.60E-03	0.00E+00	1.60E-03	2.78E-04
11987	500830.9	3734081	1.61E-03	0.00E+00	1.61E-03	2.80E-04
11988	500827.1	3734090	1.62E-03	0.00E+00	1.62E-03	2.82E-04
11989	500823.4	3734099	1.63E-03	0.00E+00	1.63E-03	2.84E-04
11990	500819.7	3734108	1.64E-03	0.00E+00	1.64E-03	2.86E-04
11991	500765.3	3734167	1.83E-03	0.00E+00	1.83E-03	3.18E-04
11992	500756.4	3734171	1.86E-03	0.00E+00	1.86E-03	3.24E-04
11993	500747.4	3734175	1.89E-03	0.00E+00	1.89E-03	3.30E-04
11994	500738.4	3734178	1.93E-03	0.00E+00	1.93E-03	3.36E-04
11995	500729.5	3734182	1.96E-03	0.00E+00	1.96E-03	3.42E-04
11996	500720.5	3734186	2.00E-03	0.00E+00	2.00E-03	3.48E-04
11997	500711.6	3734189	2.03E-03	0.00E+00	2.03E-03	3.54E-04
11998	500702.6	3734193	2.07E-03	0.00E+00	2.07E-03	3.61E-04
11999	500693.7	3734197	2.11E-03	0.00E+00	2.11E-03	3.67E-04
12000	500684.7	3734200	2.14E-03	0.00E+00	2.14E-03	3.73E-04
12001	500675.8	3734204	2.18E-03	0.00E+00	2.18E-03	3.80E-04
12002	500666.8	3734208	2.22E-03	0.00E+00	2.22E-03	3.86E-04
12003	500657.9	3734211	2.25E-03	0.00E+00	2.25E-03	3.93E-04
12004	500648.9	3734215	2.29E-03	0.00E+00	2.29E-03	3.99E-04
12005	500639.9	3734219	2.33E-03	0.00E+00	2.33E-03	4.06E-04
12006	500631	3734223	2.37E-03	0.00E+00	2.37E-03	4.12E-04
12007	500622	3734226	2.40E-03	0.00E+00	2.40E-03	4.19E-04
12008	500613.1	3734230	2.44E-03	0.00E+00	2.44E-03	4.25E-04
12009	500586.2	3734241	2.56E-03	0.00E+00	2.56E-03	4.45E-04
12010	500577.3	3734245	2.59E-03	0.00E+00	2.59E-03	4.52E-04
12011	500568.3	3734248	2.63E-03	0.00E+00	2.63E-03	4.58E-04
12012	500559.4	3734252	2.67E-03	0.00E+00	2.67E-03	4.65E-04
12013	500550.4	3734256	2.71E-03	0.00E+00	2.71E-03	4.72E-04
12014	500541.4	3734259	2.74E-03	0.00E+00	2.74E-03	4.78E-04
12015	500532.5	3734263	2.78E-03	0.00E+00	2.78E-03	4.85E-04
12016	500523.5	3734267	2.82E-03	0.00E+00	2.82E-03	4.91E-04
12017	500514.6	3734271	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12018	500505.6	3734274	2.89E-03	0.00E+00	2.89E-03	5.04E-04
12019	500496.7	3734278	2.93E-03	0.00E+00	2.93E-03	5.11E-04
12020	500487.7	3734282	2.97E-03	0.00E+00	2.97E-03	5.17E-04
12021	500478.8	3734285	3.00E-03	0.00E+00	3.00E-03	5.23E-04
12022	500469.8	3734289	3.04E-03	0.00E+00	3.04E-03	5.30E-04
12023	500460.9	3734293	3.08E-03	0.00E+00	3.08E-03	5.36E-04
12024	500451.9	3734296	3.11E-03	0.00E+00	3.11E-03	5.42E-04
12025	500442.9	3734300	3.15E-03	0.00E+00	3.15E-03	5.48E-04

12026	500434	3734304	3.18E-03	0.00E+00	3.18E-03	5.54E-04
12027	500425	3734307	3.21E-03	0.00E+00	3.21E-03	5.60E-04
12028	500416.1	3734311	3.25E-03	0.00E+00	3.25E-03	5.66E-04
12029	500407.1	3734315	3.28E-03	0.00E+00	3.28E-03	5.71E-04
12030	500398.2	3734319	3.31E-03	0.00E+00	3.31E-03	5.77E-04
12031	500389.2	3734322	3.34E-03	0.00E+00	3.34E-03	5.82E-04
12032	500380.3	3734326	3.37E-03	0.00E+00	3.37E-03	5.88E-04
12033	500371.3	3734330	3.40E-03	0.00E+00	3.40E-03	5.93E-04
12034	500362.4	3734333	3.43E-03	0.00E+00	3.43E-03	5.98E-04
12035	500353.4	3734337	3.46E-03	0.00E+00	3.46E-03	6.03E-04
12036	500344.4	3734341	3.49E-03	0.00E+00	3.49E-03	6.08E-04
12037	500335.5	3734344	3.52E-03	0.00E+00	3.52E-03	6.13E-04
12038	500326.5	3734348	3.54E-03	0.00E+00	3.54E-03	6.18E-04
12039	500317.6	3734352	3.57E-03	0.00E+00	3.57E-03	6.22E-04
12040	500308.6	3734355	3.60E-03	0.00E+00	3.60E-03	6.27E-04
12041	500299.7	3734359	3.62E-03	0.00E+00	3.62E-03	6.31E-04
12042	501053.9	3733544	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12043	501053.9	3733535	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12044	501053.9	3733525	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12045	501054	3733515	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12046	501054	3733505	9.52E-04	0.00E+00	9.52E-04	1.66E-04
12047	501054	3733496	9.51E-04	0.00E+00	9.51E-04	1.66E-04
12048	501054	3733447	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12049	501054	3733437	9.54E-04	0.00E+00	9.54E-04	1.66E-04
12050	501054	3733428	9.54E-04	0.00E+00	9.54E-04	1.66E-04
12051	501054.1	3733418	9.55E-04	0.00E+00	9.55E-04	1.66E-04
12052	501054.1	3733408	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12053	501054.1	3733398	9.58E-04	0.00E+00	9.58E-04	1.67E-04
12054	501054.1	3733389	9.60E-04	0.00E+00	9.60E-04	1.67E-04
12055	501054.1	3733379	9.61E-04	0.00E+00	9.61E-04	1.68E-04
12056	501054.1	3733369	9.63E-04	0.00E+00	9.63E-04	1.68E-04
12057	501054.1	3733360	9.65E-04	0.00E+00	9.65E-04	1.68E-04
12058	501054.1	3733340	9.70E-04	0.00E+00	9.70E-04	1.69E-04
12059	501054.1	3733330	9.73E-04	0.00E+00	9.73E-04	1.70E-04
12060	501054.2	3733321	9.76E-04	0.00E+00	9.76E-04	1.70E-04
12061	501054.2	3733311	9.79E-04	0.00E+00	9.79E-04	1.71E-04
12062	501054.2	3733301	9.82E-04	0.00E+00	9.82E-04	1.71E-04
12063	501054.2	3733291	9.86E-04	0.00E+00	9.86E-04	1.72E-04
12064	501054.2	3733282	9.89E-04	0.00E+00	9.89E-04	1.72E-04
12065	501054.2	3733272	9.94E-04	0.00E+00	9.94E-04	1.73E-04
12066	501054.2	3733262	9.99E-04	0.00E+00	9.99E-04	1.74E-04
12067	501054.2	3733253	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12068	501054.2	3733243	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12069	501054.2	3733233	1.01E-03	0.00E+00	1.01E-03	1.77E-04
12070	501054.3	3733223	1.02E-03	0.00E+00	1.02E-03	1.77E-04
12071	501054.3	3733214	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12072	501054.3	3733204	1.03E-03	0.00E+00	1.03E-03	1.79E-04

12073	501090.2	3733553	8.94E-04	0.00E+00	8.94E-04	1.56E-04
12074	501086.5	3733562	9.01E-04	0.00E+00	9.01E-04	1.57E-04
12075	501082.7	3733571	9.08E-04	0.00E+00	9.08E-04	1.58E-04
12076	501079	3733580	9.15E-04	0.00E+00	9.15E-04	1.59E-04
12077	501075.3	3733589	9.22E-04	0.00E+00	9.22E-04	1.61E-04
12078	501071.6	3733598	9.29E-04	0.00E+00	9.29E-04	1.62E-04
12079	501067.8	3733607	9.37E-04	0.00E+00	9.37E-04	1.63E-04
12080	501064.1	3733616	9.45E-04	0.00E+00	9.45E-04	1.65E-04
12081	501060.4	3733625	9.52E-04	0.00E+00	9.52E-04	1.66E-04
12082	501056.7	3733634	9.60E-04	0.00E+00	9.60E-04	1.67E-04
12083	501052.9	3733643	9.68E-04	0.00E+00	9.68E-04	1.69E-04
12084	501049.2	3733652	9.76E-04	0.00E+00	9.76E-04	1.70E-04
12085	501045.5	3733661	9.85E-04	0.00E+00	9.85E-04	1.72E-04
12086	501041.8	3733670	9.93E-04	0.00E+00	9.93E-04	1.73E-04
12087	501038	3733679	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12088	501034.3	3733688	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12089	501030.6	3733697	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12090	501026.9	3733706	1.03E-03	0.00E+00	1.03E-03	1.79E-04
12091	500997	3733777	1.11E-03	0.00E+00	1.11E-03	1.93E-04
12092	500993.3	3733786	1.12E-03	0.00E+00	1.12E-03	1.95E-04
12093	500989.6	3733795	1.13E-03	0.00E+00	1.13E-03	1.97E-04
12094	500985.9	3733804	1.14E-03	0.00E+00	1.14E-03	1.98E-04
12095	500982.1	3733813	1.15E-03	0.00E+00	1.15E-03	2.00E-04
12096	500978.4	3733822	1.16E-03	0.00E+00	1.16E-03	2.02E-04
12097	500974.7	3733831	1.17E-03	0.00E+00	1.17E-03	2.03E-04
12098	500971	3733840	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12099	500967.2	3733849	1.19E-03	0.00E+00	1.19E-03	2.07E-04
12100	500963.5	3733858	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12101	500959.8	3733867	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12102	500956.1	3733876	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12103	500952.3	3733885	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12104	500948.6	3733894	1.24E-03	0.00E+00	1.24E-03	2.16E-04
12105	500944.9	3733903	1.25E-03	0.00E+00	1.25E-03	2.18E-04
12106	500941.2	3733912	1.26E-03	0.00E+00	1.26E-03	2.20E-04
12107	500937.4	3733921	1.28E-03	0.00E+00	1.28E-03	2.22E-04
12108	500933.7	3733930	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12109	500930	3733939	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12110	500926.2	3733948	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12111	500922.5	3733957	1.32E-03	0.00E+00	1.32E-03	2.30E-04
12112	500918.8	3733966	1.33E-03	0.00E+00	1.33E-03	2.32E-04
12113	500915.1	3733975	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12114	500911.3	3733984	1.35E-03	0.00E+00	1.35E-03	2.36E-04
12115	500907.6	3733993	1.37E-03	0.00E+00	1.37E-03	2.38E-04
12116	500903.9	3734001	1.38E-03	0.00E+00	1.38E-03	2.40E-04
12117	500900.2	3734010	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12118	500896.4	3734019	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12119	500892.7	3734028	1.41E-03	0.00E+00	1.41E-03	2.46E-04

12120	500889	3734037	1.42E-03	0.00E+00	1.42E-03	2.48E-04
12121	500885.3	3734046	1.43E-03	0.00E+00	1.43E-03	2.50E-04
12122	500881.5	3734055	1.44E-03	0.00E+00	1.44E-03	2.51E-04
12123	500877.8	3734064	1.46E-03	0.00E+00	1.46E-03	2.54E-04
12124	500874.1	3734073	1.47E-03	0.00E+00	1.47E-03	2.56E-04
12125	500870.4	3734082	1.48E-03	0.00E+00	1.48E-03	2.58E-04
12126	500866.6	3734091	1.49E-03	0.00E+00	1.49E-03	2.60E-04
12127	500862.9	3734100	1.50E-03	0.00E+00	1.50E-03	2.62E-04
12128	500859.2	3734109	1.52E-03	0.00E+00	1.52E-03	2.64E-04
12129	500855.4	3734118	1.53E-03	0.00E+00	1.53E-03	2.66E-04
12130	500851.7	3734127	1.54E-03	0.00E+00	1.54E-03	2.68E-04
12131	500848	3734136	1.55E-03	0.00E+00	1.55E-03	2.69E-04
12132	500833.1	3734172	1.59E-03	0.00E+00	1.59E-03	2.77E-04
12133	500820.4	3734184	1.63E-03	0.00E+00	1.63E-03	2.84E-04
12134	500811.4	3734188	1.66E-03	0.00E+00	1.66E-03	2.89E-04
12135	500802.4	3734192	1.69E-03	0.00E+00	1.69E-03	2.94E-04
12136	500793.5	3734196	1.72E-03	0.00E+00	1.72E-03	2.99E-04
12137	500784.5	3734199	1.75E-03	0.00E+00	1.75E-03	3.04E-04
12138	500775.5	3734203	1.78E-03	0.00E+00	1.78E-03	3.09E-04
12139	500766.5	3734207	1.81E-03	0.00E+00	1.81E-03	3.15E-04
12140	500757.6	3734210	1.84E-03	0.00E+00	1.84E-03	3.20E-04
12141	500748.6	3734214	1.87E-03	0.00E+00	1.87E-03	3.26E-04
12142	500739.6	3734218	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12143	500730.6	3734221	1.93E-03	0.00E+00	1.93E-03	3.37E-04
12144	500721.7	3734225	1.97E-03	0.00E+00	1.97E-03	3.43E-04
12145	500712.7	3734229	2.00E-03	0.00E+00	2.00E-03	3.48E-04
12146	500703.7	3734233	2.03E-03	0.00E+00	2.03E-03	3.54E-04
12147	500694.7	3734236	2.07E-03	0.00E+00	2.07E-03	3.60E-04
12148	500685.8	3734240	2.10E-03	0.00E+00	2.10E-03	3.66E-04
12149	500676.8	3734244	2.14E-03	0.00E+00	2.14E-03	3.72E-04
12150	500667.8	3734247	2.17E-03	0.00E+00	2.17E-03	3.78E-04
12151	500658.8	3734251	2.21E-03	0.00E+00	2.21E-03	3.84E-04
12152	500649.9	3734255	2.24E-03	0.00E+00	2.24E-03	3.90E-04
12153	500640.9	3734258	2.28E-03	0.00E+00	2.28E-03	3.97E-04
12154	500631.9	3734262	2.31E-03	0.00E+00	2.31E-03	4.03E-04
12155	500622.9	3734266	2.35E-03	0.00E+00	2.35E-03	4.09E-04
12156	500614	3734270	2.38E-03	0.00E+00	2.38E-03	4.15E-04
12157	500587	3734281	2.49E-03	0.00E+00	2.49E-03	4.33E-04
12158	500578.1	3734284	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12159	500569.1	3734288	2.56E-03	0.00E+00	2.56E-03	4.45E-04
12160	500560.1	3734292	2.59E-03	0.00E+00	2.59E-03	4.51E-04
12161	500551.1	3734295	2.62E-03	0.00E+00	2.62E-03	4.57E-04
12162	500542.2	3734299	2.66E-03	0.00E+00	2.66E-03	4.63E-04
12163	500533.2	3734303	2.69E-03	0.00E+00	2.69E-03	4.69E-04
12164	500524.2	3734307	2.73E-03	0.00E+00	2.73E-03	4.75E-04
12165	500515.2	3734310	2.76E-03	0.00E+00	2.76E-03	4.81E-04
12166	500506.3	3734314	2.79E-03	0.00E+00	2.79E-03	4.87E-04

12167	500497.3	3734318	2.83E-03	0.00E+00	2.83E-03	4.92E-04
12168	500488.3	3734321	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12169	500479.3	3734325	2.89E-03	0.00E+00	2.89E-03	5.04E-04
12170	500470.4	3734329	2.92E-03	0.00E+00	2.92E-03	5.09E-04
12171	500461.4	3734332	2.95E-03	0.00E+00	2.95E-03	5.15E-04
12172	500452.4	3734336	2.98E-03	0.00E+00	2.98E-03	5.20E-04
12173	500443.4	3734340	3.02E-03	0.00E+00	3.02E-03	5.25E-04
12174	500434.5	3734344	3.05E-03	0.00E+00	3.05E-03	5.32E-04
12175	500425.5	3734347	3.08E-03	0.00E+00	3.08E-03	5.37E-04
12176	500416.5	3734351	3.11E-03	0.00E+00	3.11E-03	5.42E-04
12177	500407.5	3734355	3.14E-03	0.00E+00	3.14E-03	5.47E-04
12178	500398.6	3734358	3.17E-03	0.00E+00	3.17E-03	5.52E-04
12179	501093.9	3733544	8.88E-04	0.00E+00	8.88E-04	1.55E-04
12180	501093.9	3733535	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12181	501093.9	3733525	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12182	501094	3733515	8.87E-04	0.00E+00	8.87E-04	1.54E-04
12183	501094	3733505	8.86E-04	0.00E+00	8.86E-04	1.54E-04
12184	501094	3733467	8.86E-04	0.00E+00	8.86E-04	1.54E-04
12185	501094	3733457	8.86E-04	0.00E+00	8.86E-04	1.54E-04
12186	501094	3733447	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12187	501094	3733437	8.87E-04	0.00E+00	8.87E-04	1.55E-04
12188	501094	3733428	8.88E-04	0.00E+00	8.88E-04	1.55E-04
12189	501094.1	3733418	8.90E-04	0.00E+00	8.90E-04	1.55E-04
12190	501094.1	3733408	8.93E-04	0.00E+00	8.93E-04	1.56E-04
12191	501094.1	3733398	8.95E-04	0.00E+00	8.95E-04	1.56E-04
12192	501094.1	3733389	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12193	501094.1	3733379	8.99E-04	0.00E+00	8.99E-04	1.57E-04
12194	501094.1	3733369	9.00E-04	0.00E+00	9.00E-04	1.57E-04
12195	501094.1	3733360	9.02E-04	0.00E+00	9.02E-04	1.57E-04
12196	501094.1	3733340	9.07E-04	0.00E+00	9.07E-04	1.58E-04
12197	501094.1	3733330	9.09E-04	0.00E+00	9.09E-04	1.58E-04
12198	501094.2	3733321	9.12E-04	0.00E+00	9.12E-04	1.59E-04
12199	501094.2	3733311	9.15E-04	0.00E+00	9.15E-04	1.59E-04
12200	501094.2	3733301	9.18E-04	0.00E+00	9.18E-04	1.60E-04
12201	501094.2	3733282	9.24E-04	0.00E+00	9.24E-04	1.61E-04
12202	501094.2	3733272	9.28E-04	0.00E+00	9.28E-04	1.62E-04
12203	501094.2	3733262	9.31E-04	0.00E+00	9.31E-04	1.62E-04
12204	501094.2	3733253	9.35E-04	0.00E+00	9.35E-04	1.63E-04
12205	501094.2	3733243	9.39E-04	0.00E+00	9.39E-04	1.64E-04
12206	501094.3	3733223	9.47E-04	0.00E+00	9.47E-04	1.65E-04
12207	501094.3	3733214	9.51E-04	0.00E+00	9.51E-04	1.66E-04
12208	501094.3	3733204	9.56E-04	0.00E+00	9.56E-04	1.67E-04
12209	501125.9	3733553	8.43E-04	0.00E+00	8.43E-04	1.47E-04
12210	501122.2	3733562	8.49E-04	0.00E+00	8.49E-04	1.48E-04
12211	501118.5	3733571	8.55E-04	0.00E+00	8.55E-04	1.49E-04
12212	501114.8	3733580	8.61E-04	0.00E+00	8.61E-04	1.50E-04
12213	501111.1	3733589	8.68E-04	0.00E+00	8.68E-04	1.51E-04

12214	501107.3	3733598	8.74E-04	0.00E+00	8.74E-04	1.52E-04
12215	501103.6	3733607	8.81E-04	0.00E+00	8.81E-04	1.54E-04
12216	501099.9	3733616	8.88E-04	0.00E+00	8.88E-04	1.55E-04
12217	501096.2	3733625	8.95E-04	0.00E+00	8.95E-04	1.56E-04
12218	501092.5	3733634	9.02E-04	0.00E+00	9.02E-04	1.57E-04
12219	501088.8	3733643	9.10E-04	0.00E+00	9.10E-04	1.59E-04
12220	501085	3733652	9.17E-04	0.00E+00	9.17E-04	1.60E-04
12221	501081.3	3733661	9.25E-04	0.00E+00	9.25E-04	1.61E-04
12222	501077.6	3733670	9.33E-04	0.00E+00	9.33E-04	1.63E-04
12223	501073.9	3733678	9.41E-04	0.00E+00	9.41E-04	1.64E-04
12224	501070.2	3733687	9.49E-04	0.00E+00	9.49E-04	1.65E-04
12225	501066.4	3733696	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12226	501062.7	3733705	9.65E-04	0.00E+00	9.65E-04	1.68E-04
12227	501059	3733714	9.73E-04	0.00E+00	9.73E-04	1.70E-04
12228	501055.3	3733723	9.82E-04	0.00E+00	9.82E-04	1.71E-04
12229	501051.6	3733732	9.90E-04	0.00E+00	9.90E-04	1.73E-04
12230	500995.8	3733866	1.13E-03	0.00E+00	1.13E-03	1.97E-04
12231	500992.1	3733875	1.14E-03	0.00E+00	1.14E-03	1.98E-04
12232	500988.4	3733884	1.15E-03	0.00E+00	1.15E-03	2.00E-04
12233	500984.7	3733893	1.16E-03	0.00E+00	1.16E-03	2.02E-04
12234	500981	3733902	1.17E-03	0.00E+00	1.17E-03	2.03E-04
12235	500977.2	3733911	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12236	500973.5	3733920	1.19E-03	0.00E+00	1.19E-03	2.07E-04
12237	500969.8	3733929	1.20E-03	0.00E+00	1.20E-03	2.08E-04
12238	500966.1	3733938	1.21E-03	0.00E+00	1.21E-03	2.10E-04
12239	500962.4	3733947	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12240	500958.7	3733956	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12241	500954.9	3733965	1.24E-03	0.00E+00	1.24E-03	2.15E-04
12242	500951.2	3733974	1.25E-03	0.00E+00	1.25E-03	2.17E-04
12243	500947.5	3733983	1.26E-03	0.00E+00	1.26E-03	2.19E-04
12244	500943.8	3733991	1.27E-03	0.00E+00	1.27E-03	2.21E-04
12245	500940.1	3734000	1.28E-03	0.00E+00	1.28E-03	2.23E-04
12246	500936.4	3734009	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12247	500932.6	3734018	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12248	500928.9	3734027	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12249	500925.2	3734036	1.32E-03	0.00E+00	1.32E-03	2.30E-04
12250	500921.5	3734045	1.33E-03	0.00E+00	1.33E-03	2.32E-04
12251	500917.8	3734054	1.34E-03	0.00E+00	1.34E-03	2.33E-04
12252	500914.1	3734063	1.35E-03	0.00E+00	1.35E-03	2.35E-04
12253	500910.3	3734072	1.36E-03	0.00E+00	1.36E-03	2.37E-04
12254	500906.6	3734081	1.37E-03	0.00E+00	1.37E-03	2.39E-04
12255	500902.9	3734090	1.38E-03	0.00E+00	1.38E-03	2.41E-04
12256	500899.2	3734099	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12257	500895.5	3734108	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12258	500891.8	3734117	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12259	500888	3734126	1.42E-03	0.00E+00	1.42E-03	2.48E-04
12260	500884.3	3734135	1.43E-03	0.00E+00	1.43E-03	2.50E-04

12261	500869.4	3734170	1.47E-03	0.00E+00	1.47E-03	2.57E-04
12262	500865.7	3734179	1.48E-03	0.00E+00	1.48E-03	2.58E-04
12263	500862	3734188	1.49E-03	0.00E+00	1.49E-03	2.60E-04
12264	500858.3	3734197	1.50E-03	0.00E+00	1.50E-03	2.62E-04
12265	500845.6	3734210	1.54E-03	0.00E+00	1.54E-03	2.68E-04
12266	500836.7	3734213	1.57E-03	0.00E+00	1.57E-03	2.73E-04
12267	500827.7	3734217	1.60E-03	0.00E+00	1.60E-03	2.78E-04
12268	500818.8	3734221	1.62E-03	0.00E+00	1.62E-03	2.83E-04
12269	500809.8	3734224	1.65E-03	0.00E+00	1.65E-03	2.88E-04
12270	500800.9	3734228	1.68E-03	0.00E+00	1.68E-03	2.93E-04
12271	500791.9	3734232	1.71E-03	0.00E+00	1.71E-03	2.98E-04
12272	500783	3734236	1.74E-03	0.00E+00	1.74E-03	3.03E-04
12273	500774	3734239	1.77E-03	0.00E+00	1.77E-03	3.08E-04
12274	500765.1	3734243	1.80E-03	0.00E+00	1.80E-03	3.13E-04
12275	500756.1	3734247	1.83E-03	0.00E+00	1.83E-03	3.18E-04
12276	500747.1	3734250	1.86E-03	0.00E+00	1.86E-03	3.23E-04
12277	500738.2	3734254	1.89E-03	0.00E+00	1.89E-03	3.29E-04
12278	500729.2	3734258	1.92E-03	0.00E+00	1.92E-03	3.34E-04
12279	500720.3	3734261	1.95E-03	0.00E+00	1.95E-03	3.39E-04
12280	500711.3	3734265	1.98E-03	0.00E+00	1.98E-03	3.45E-04
12281	500702.4	3734269	2.01E-03	0.00E+00	2.01E-03	3.50E-04
12282	500693.4	3734272	2.04E-03	0.00E+00	2.04E-03	3.56E-04
12283	500684.5	3734276	2.07E-03	0.00E+00	2.07E-03	3.61E-04
12284	500675.5	3734280	2.11E-03	0.00E+00	2.11E-03	3.67E-04
12285	500666.6	3734284	2.14E-03	0.00E+00	2.14E-03	3.73E-04
12286	500657.6	3734287	2.17E-03	0.00E+00	2.17E-03	3.78E-04
12287	500648.7	3734291	2.20E-03	0.00E+00	2.20E-03	3.84E-04
12288	500639.7	3734295	2.24E-03	0.00E+00	2.24E-03	3.90E-04
12289	500630.8	3734298	2.27E-03	0.00E+00	2.27E-03	3.95E-04
12290	500621.8	3734302	2.30E-03	0.00E+00	2.30E-03	4.01E-04
12291	500612.9	3734306	2.33E-03	0.00E+00	2.33E-03	4.07E-04
12292	500586	3734317	2.43E-03	0.00E+00	2.43E-03	4.24E-04
12293	500577	3734320	2.46E-03	0.00E+00	2.46E-03	4.29E-04
12294	500568.1	3734324	2.50E-03	0.00E+00	2.50E-03	4.35E-04
12295	500559.1	3734328	2.53E-03	0.00E+00	2.53E-03	4.40E-04
12296	500550.2	3734332	2.56E-03	0.00E+00	2.56E-03	4.46E-04
12297	500541.2	3734335	2.59E-03	0.00E+00	2.59E-03	4.51E-04
12298	500532.3	3734339	2.62E-03	0.00E+00	2.62E-03	4.57E-04
12299	500523.3	3734343	2.65E-03	0.00E+00	2.65E-03	4.62E-04
12300	500514.4	3734346	2.68E-03	0.00E+00	2.68E-03	4.67E-04
12301	500505.4	3734350	2.71E-03	0.00E+00	2.71E-03	4.72E-04
12302	500496.5	3734354	2.74E-03	0.00E+00	2.74E-03	4.78E-04
12303	500487.5	3734357	2.77E-03	0.00E+00	2.77E-03	4.83E-04
12304	500478.6	3734361	2.80E-03	0.00E+00	2.80E-03	4.88E-04
12305	500469.6	3734365	2.83E-03	0.00E+00	2.83E-03	4.93E-04
12306	500460.7	3734368	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12307	500451.7	3734372	2.88E-03	0.00E+00	2.88E-03	5.02E-04

12308	500442.8	3734376	2.91E-03	0.00E+00	2.91E-03	5.07E-04
12309	500433.8	3734379	2.94E-03	0.00E+00	2.94E-03	5.12E-04
12310	500424.8	3734383	2.96E-03	0.00E+00	2.96E-03	5.16E-04
12311	500415.9	3734387	2.99E-03	0.00E+00	2.99E-03	5.21E-04
12312	500406.9	3734391	3.02E-03	0.00E+00	3.02E-03	5.27E-04
12313	501129.6	3733544	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12314	501129.6	3733535	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12315	501129.7	3733525	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12316	501129.7	3733476	8.35E-04	0.00E+00	8.35E-04	1.45E-04
12317	501129.7	3733467	8.35E-04	0.00E+00	8.35E-04	1.45E-04
12318	501129.7	3733457	8.35E-04	0.00E+00	8.35E-04	1.46E-04
12319	501129.7	3733447	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12320	501129.7	3733437	8.36E-04	0.00E+00	8.36E-04	1.46E-04
12321	501129.8	3733428	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12322	501129.8	3733418	8.38E-04	0.00E+00	8.38E-04	1.46E-04
12323	501129.8	3733408	8.39E-04	0.00E+00	8.39E-04	1.46E-04
12324	501129.8	3733399	8.40E-04	0.00E+00	8.40E-04	1.46E-04
12325	501129.8	3733389	8.42E-04	0.00E+00	8.42E-04	1.47E-04
12326	501129.8	3733379	8.43E-04	0.00E+00	8.43E-04	1.47E-04
12327	501129.8	3733369	8.45E-04	0.00E+00	8.45E-04	1.47E-04
12328	501129.8	3733360	8.48E-04	0.00E+00	8.48E-04	1.48E-04
12329	501129.8	3733340	8.55E-04	0.00E+00	8.55E-04	1.49E-04
12330	501129.9	3733330	8.58E-04	0.00E+00	8.58E-04	1.49E-04
12331	501129.9	3733321	8.60E-04	0.00E+00	8.60E-04	1.50E-04
12332	501129.9	3733311	8.63E-04	0.00E+00	8.63E-04	1.50E-04
12333	501129.9	3733301	8.66E-04	0.00E+00	8.66E-04	1.51E-04
12334	501129.9	3733282	8.72E-04	0.00E+00	8.72E-04	1.52E-04
12335	501129.9	3733272	8.75E-04	0.00E+00	8.75E-04	1.52E-04
12336	501129.9	3733262	8.78E-04	0.00E+00	8.78E-04	1.53E-04
12337	501129.9	3733253	8.82E-04	0.00E+00	8.82E-04	1.54E-04
12338	501129.9	3733243	8.85E-04	0.00E+00	8.85E-04	1.54E-04
12339	501130	3733223	8.93E-04	0.00E+00	8.93E-04	1.56E-04
12340	501130	3733214	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12341	501161.6	3733553	7.95E-04	0.00E+00	7.95E-04	1.39E-04
12342	501157.9	3733562	8.00E-04	0.00E+00	8.00E-04	1.39E-04
12343	501154.2	3733571	8.05E-04	0.00E+00	8.05E-04	1.40E-04
12344	501150.5	3733580	8.11E-04	0.00E+00	8.11E-04	1.41E-04
12345	501146.8	3733589	8.18E-04	0.00E+00	8.18E-04	1.43E-04
12346	501143.1	3733598	8.25E-04	0.00E+00	8.25E-04	1.44E-04
12347	501139.4	3733607	8.31E-04	0.00E+00	8.31E-04	1.45E-04
12348	501135.7	3733616	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12349	501132	3733625	8.44E-04	0.00E+00	8.44E-04	1.47E-04
12350	501128.3	3733634	8.50E-04	0.00E+00	8.50E-04	1.48E-04
12351	501124.6	3733643	8.57E-04	0.00E+00	8.57E-04	1.49E-04
12352	501120.9	3733651	8.64E-04	0.00E+00	8.64E-04	1.51E-04
12353	501117.1	3733660	8.71E-04	0.00E+00	8.71E-04	1.52E-04
12354	501113.4	3733669	8.78E-04	0.00E+00	8.78E-04	1.53E-04

12355	501109.7	3733678	8.85E-04	0.00E+00	8.85E-04	1.54E-04
12356	501106	3733687	8.92E-04	0.00E+00	8.92E-04	1.55E-04
12357	501102.3	3733696	9.00E-04	0.00E+00	9.00E-04	1.57E-04
12358	501098.6	3733705	9.07E-04	0.00E+00	9.07E-04	1.58E-04
12359	501094.9	3733714	9.15E-04	0.00E+00	9.15E-04	1.59E-04
12360	501091.2	3733723	9.22E-04	0.00E+00	9.22E-04	1.61E-04
12361	501087.5	3733732	9.30E-04	0.00E+00	9.30E-04	1.62E-04
12362	500994.8	3733955	1.15E-03	0.00E+00	1.15E-03	2.00E-04
12363	500991.1	3733964	1.15E-03	0.00E+00	1.15E-03	2.01E-04
12364	500987.3	3733973	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12365	500983.6	3733982	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12366	500979.9	3733990	1.18E-03	0.00E+00	1.18E-03	2.06E-04
12367	500976.2	3733999	1.19E-03	0.00E+00	1.19E-03	2.08E-04
12368	500972.5	3734008	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12369	500968.8	3734017	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12370	500965.1	3734026	1.22E-03	0.00E+00	1.22E-03	2.13E-04
12371	500961.4	3734035	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12372	500957.7	3734044	1.24E-03	0.00E+00	1.24E-03	2.16E-04
12373	500954	3734053	1.25E-03	0.00E+00	1.25E-03	2.18E-04
12374	500950.3	3734062	1.26E-03	0.00E+00	1.26E-03	2.19E-04
12375	500946.5	3734071	1.27E-03	0.00E+00	1.27E-03	2.21E-04
12376	500942.8	3734080	1.28E-03	0.00E+00	1.28E-03	2.23E-04
12377	500939.1	3734089	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12378	500935.4	3734098	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12379	500931.7	3734106	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12380	500928	3734115	1.32E-03	0.00E+00	1.32E-03	2.29E-04
12381	500924.3	3734124	1.33E-03	0.00E+00	1.33E-03	2.31E-04
12382	500920.6	3734133	1.33E-03	0.00E+00	1.33E-03	2.33E-04
12383	500905.8	3734169	1.37E-03	0.00E+00	1.37E-03	2.39E-04
12384	500902	3734178	1.38E-03	0.00E+00	1.38E-03	2.41E-04
12385	500898.3	3734187	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12386	500894.6	3734196	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12387	500890.9	3734205	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12388	500887.2	3734213	1.42E-03	0.00E+00	1.42E-03	2.47E-04
12389	500883.5	3734222	1.43E-03	0.00E+00	1.43E-03	2.49E-04
12390	500870.9	3734235	1.46E-03	0.00E+00	1.46E-03	2.54E-04
12391	500861.9	3734239	1.48E-03	0.00E+00	1.48E-03	2.59E-04
12392	500853	3734242	1.51E-03	0.00E+00	1.51E-03	2.63E-04
12393	500844.1	3734246	1.54E-03	0.00E+00	1.54E-03	2.68E-04
12394	500835.1	3734250	1.56E-03	0.00E+00	1.56E-03	2.72E-04
12395	500826.2	3734253	1.59E-03	0.00E+00	1.59E-03	2.77E-04
12396	500817.3	3734257	1.61E-03	0.00E+00	1.61E-03	2.81E-04
12397	500808.3	3734261	1.64E-03	0.00E+00	1.64E-03	2.86E-04
12398	500799.4	3734264	1.67E-03	0.00E+00	1.67E-03	2.90E-04
12399	500790.5	3734268	1.69E-03	0.00E+00	1.69E-03	2.95E-04
12400	500781.5	3734272	1.72E-03	0.00E+00	1.72E-03	3.00E-04
12401	500772.6	3734276	1.75E-03	0.00E+00	1.75E-03	3.05E-04

12402	500763.7	3734279	1.78E-03	0.00E+00	1.78E-03	3.10E-04
12403	500754.7	3734283	1.81E-03	0.00E+00	1.81E-03	3.15E-04
12404	500745.8	3734287	1.84E-03	0.00E+00	1.84E-03	3.20E-04
12405	500736.9	3734290	1.87E-03	0.00E+00	1.87E-03	3.25E-04
12406	500727.9	3734294	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12407	500719	3734298	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12408	500710.1	3734301	1.96E-03	0.00E+00	1.96E-03	3.41E-04
12409	500701.1	3734305	1.99E-03	0.00E+00	1.99E-03	3.46E-04
12410	500692.2	3734309	2.01E-03	0.00E+00	2.01E-03	3.51E-04
12411	500683.3	3734312	2.04E-03	0.00E+00	2.04E-03	3.56E-04
12412	500674.4	3734316	2.07E-03	0.00E+00	2.07E-03	3.61E-04
12413	500665.4	3734320	2.10E-03	0.00E+00	2.10E-03	3.67E-04
12414	500656.5	3734323	2.13E-03	0.00E+00	2.13E-03	3.72E-04
12415	500647.6	3734327	2.16E-03	0.00E+00	2.16E-03	3.77E-04
12416	500638.6	3734331	2.19E-03	0.00E+00	2.19E-03	3.82E-04
12417	500629.7	3734334	2.22E-03	0.00E+00	2.22E-03	3.88E-04
12418	500620.8	3734338	2.25E-03	0.00E+00	2.25E-03	3.93E-04
12419	500611.8	3734342	2.29E-03	0.00E+00	2.29E-03	3.98E-04
12420	500585	3734353	2.38E-03	0.00E+00	2.38E-03	4.14E-04
12421	500576.1	3734357	2.40E-03	0.00E+00	2.40E-03	4.19E-04
12422	500567.2	3734360	2.43E-03	0.00E+00	2.43E-03	4.24E-04
12423	500558.2	3734364	2.46E-03	0.00E+00	2.46E-03	4.29E-04
12424	500549.3	3734368	2.49E-03	0.00E+00	2.49E-03	4.34E-04
12425	500540.4	3734371	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12426	500531.4	3734375	2.55E-03	0.00E+00	2.55E-03	4.44E-04
12427	500522.5	3734379	2.58E-03	0.00E+00	2.58E-03	4.49E-04
12428	500513.6	3734382	2.60E-03	0.00E+00	2.60E-03	4.54E-04
12429	500504.6	3734386	2.63E-03	0.00E+00	2.63E-03	4.58E-04
12430	500495.7	3734390	2.66E-03	0.00E+00	2.66E-03	4.63E-04
12431	500486.8	3734393	2.68E-03	0.00E+00	2.68E-03	4.68E-04
12432	500477.8	3734397	2.71E-03	0.00E+00	2.71E-03	4.72E-04
12433	500468.9	3734401	2.74E-03	0.00E+00	2.74E-03	4.77E-04
12434	500460	3734404	2.76E-03	0.00E+00	2.76E-03	4.81E-04
12435	500451	3734408	2.79E-03	0.00E+00	2.79E-03	4.85E-04
12436	500442.1	3734412	2.81E-03	0.00E+00	2.81E-03	4.90E-04
12437	500433.2	3734415	2.84E-03	0.00E+00	2.84E-03	4.94E-04
12438	500424.2	3734419	2.86E-03	0.00E+00	2.86E-03	4.98E-04
12439	500415.3	3734423	2.88E-03	0.00E+00	2.88E-03	5.02E-04
12440	500406.4	3734426	2.91E-03	0.00E+00	2.91E-03	5.08E-04
12441	501165.4	3733544	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12442	501165.4	3733496	7.89E-04	0.00E+00	7.89E-04	1.37E-04
12443	501165.4	3733486	7.89E-04	0.00E+00	7.89E-04	1.37E-04
12444	501165.4	3733476	7.89E-04	0.00E+00	7.89E-04	1.37E-04
12445	501165.4	3733467	7.89E-04	0.00E+00	7.89E-04	1.38E-04
12446	501165.4	3733457	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12447	501165.5	3733447	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12448	501165.5	3733437	7.91E-04	0.00E+00	7.91E-04	1.38E-04

12449	501165.5	3733428	7.91E-04	0.00E+00	7.91E-04	1.38E-04
12450	501165.5	3733418	7.92E-04	0.00E+00	7.92E-04	1.38E-04
12451	501165.5	3733408	7.93E-04	0.00E+00	7.93E-04	1.38E-04
12452	501165.5	3733399	7.95E-04	0.00E+00	7.95E-04	1.38E-04
12453	501165.5	3733389	7.96E-04	0.00E+00	7.96E-04	1.39E-04
12454	501165.5	3733379	7.97E-04	0.00E+00	7.97E-04	1.39E-04
12455	501165.5	3733369	7.99E-04	0.00E+00	7.99E-04	1.39E-04
12456	501165.5	3733360	8.01E-04	0.00E+00	8.01E-04	1.40E-04
12457	501165.6	3733340	8.05E-04	0.00E+00	8.05E-04	1.40E-04
12458	501165.6	3733330	8.07E-04	0.00E+00	8.07E-04	1.41E-04
12459	501165.6	3733321	8.09E-04	0.00E+00	8.09E-04	1.41E-04
12460	501165.6	3733311	8.11E-04	0.00E+00	8.11E-04	1.41E-04
12461	501165.6	3733301	8.14E-04	0.00E+00	8.14E-04	1.42E-04
12462	501165.6	3733282	8.19E-04	0.00E+00	8.19E-04	1.43E-04
12463	501165.6	3733272	8.23E-04	0.00E+00	8.23E-04	1.43E-04
12464	501165.6	3733262	8.27E-04	0.00E+00	8.27E-04	1.44E-04
12465	501165.7	3733253	8.31E-04	0.00E+00	8.31E-04	1.45E-04
12466	501165.7	3733243	8.35E-04	0.00E+00	8.35E-04	1.46E-04
12467	501165.7	3733214	8.46E-04	0.00E+00	8.46E-04	1.47E-04
12468	501165.7	3733204	8.50E-04	0.00E+00	8.50E-04	1.48E-04
12469	501197.4	3733553	7.50E-04	0.00E+00	7.50E-04	1.31E-04
12470	501193.7	3733562	7.55E-04	0.00E+00	7.55E-04	1.32E-04
12471	501190	3733571	7.60E-04	0.00E+00	7.60E-04	1.32E-04
12472	501186.3	3733580	7.66E-04	0.00E+00	7.66E-04	1.33E-04
12473	501182.6	3733589	7.71E-04	0.00E+00	7.71E-04	1.34E-04
12474	501178.9	3733598	7.77E-04	0.00E+00	7.77E-04	1.35E-04
12475	501175.2	3733607	7.84E-04	0.00E+00	7.84E-04	1.37E-04
12476	501171.5	3733616	7.90E-04	0.00E+00	7.90E-04	1.38E-04
12477	501167.8	3733625	7.96E-04	0.00E+00	7.96E-04	1.39E-04
12478	501164.1	3733633	8.03E-04	0.00E+00	8.03E-04	1.40E-04
12479	501160.4	3733642	8.08E-04	0.00E+00	8.08E-04	1.41E-04
12480	501156.7	3733651	8.14E-04	0.00E+00	8.14E-04	1.42E-04
12481	501153	3733660	8.20E-04	0.00E+00	8.20E-04	1.43E-04
12482	501149.3	3733669	8.26E-04	0.00E+00	8.26E-04	1.44E-04
12483	501145.6	3733678	8.33E-04	0.00E+00	8.33E-04	1.45E-04
12484	501141.9	3733687	8.40E-04	0.00E+00	8.40E-04	1.46E-04
12485	501138.2	3733696	8.47E-04	0.00E+00	8.47E-04	1.48E-04
12486	501134.5	3733705	8.54E-04	0.00E+00	8.54E-04	1.49E-04
12487	501130.8	3733714	8.62E-04	0.00E+00	8.62E-04	1.50E-04
12488	501127.1	3733722	8.69E-04	0.00E+00	8.69E-04	1.51E-04
12489	501123.4	3733731	8.76E-04	0.00E+00	8.76E-04	1.53E-04
12490	501108.6	3733767	9.05E-04	0.00E+00	9.05E-04	1.58E-04
12491	501104.8	3733776	9.12E-04	0.00E+00	9.12E-04	1.59E-04
12492	501101.1	3733785	9.20E-04	0.00E+00	9.20E-04	1.60E-04
12493	501097.4	3733794	9.27E-04	0.00E+00	9.27E-04	1.62E-04
12494	501093.7	3733803	9.35E-04	0.00E+00	9.35E-04	1.63E-04
12495	501090	3733812	9.43E-04	0.00E+00	9.43E-04	1.64E-04

12496	501086.3	3733820	9.50E-04	0.00E+00	9.50E-04	1.66E-04
12497	501082.6	3733829	9.58E-04	0.00E+00	9.58E-04	1.67E-04
12498	501027.1	3733963	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12499	501023.4	3733972	1.09E-03	0.00E+00	1.09E-03	1.89E-04
12500	501019.7	3733981	1.10E-03	0.00E+00	1.10E-03	1.91E-04
12501	500993.8	3734043	1.15E-03	0.00E+00	1.15E-03	2.01E-04
12502	500990.1	3734052	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12503	500986.4	3734061	1.17E-03	0.00E+00	1.17E-03	2.05E-04
12504	500982.7	3734070	1.18E-03	0.00E+00	1.18E-03	2.06E-04
12505	500979	3734079	1.19E-03	0.00E+00	1.19E-03	2.08E-04
12506	500975.3	3734087	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12507	500971.6	3734096	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12508	500967.9	3734105	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12509	500964.2	3734114	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12510	500960.5	3734123	1.24E-03	0.00E+00	1.24E-03	2.15E-04
12511	500956.8	3734132	1.25E-03	0.00E+00	1.25E-03	2.17E-04
12512	500953.1	3734141	1.25E-03	0.00E+00	1.25E-03	2.19E-04
12513	500938.3	3734177	1.29E-03	0.00E+00	1.29E-03	2.25E-04
12514	500934.6	3734185	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12515	500930.9	3734194	1.31E-03	0.00E+00	1.31E-03	2.28E-04
12516	500927.2	3734203	1.32E-03	0.00E+00	1.32E-03	2.29E-04
12517	500923.5	3734212	1.32E-03	0.00E+00	1.32E-03	2.31E-04
12518	500919.8	3734221	1.33E-03	0.00E+00	1.33E-03	2.32E-04
12519	500916.1	3734230	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12520	500912.4	3734239	1.35E-03	0.00E+00	1.35E-03	2.35E-04
12521	500908.7	3734248	1.36E-03	0.00E+00	1.36E-03	2.37E-04
12522	500896.1	3734260	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12523	500887.2	3734264	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12524	500878.3	3734268	1.43E-03	0.00E+00	1.43E-03	2.50E-04
12525	500869.4	3734271	1.46E-03	0.00E+00	1.46E-03	2.54E-04
12526	500860.4	3734275	1.48E-03	0.00E+00	1.48E-03	2.58E-04
12527	500851.5	3734279	1.51E-03	0.00E+00	1.51E-03	2.62E-04
12528	500842.6	3734282	1.53E-03	0.00E+00	1.53E-03	2.67E-04
12529	500833.7	3734286	1.55E-03	0.00E+00	1.55E-03	2.71E-04
12530	500824.8	3734290	1.58E-03	0.00E+00	1.58E-03	2.75E-04
12531	500815.9	3734293	1.60E-03	0.00E+00	1.60E-03	2.80E-04
12532	500807	3734297	1.63E-03	0.00E+00	1.63E-03	2.84E-04
12533	500798.1	3734301	1.66E-03	0.00E+00	1.66E-03	2.89E-04
12534	500789.1	3734304	1.68E-03	0.00E+00	1.68E-03	2.93E-04
12535	500780.2	3734308	1.71E-03	0.00E+00	1.71E-03	2.98E-04
12536	500771.3	3734312	1.73E-03	0.00E+00	1.73E-03	3.02E-04
12537	500762.4	3734315	1.76E-03	0.00E+00	1.76E-03	3.07E-04
12538	500753.5	3734319	1.79E-03	0.00E+00	1.79E-03	3.12E-04
12539	500744.6	3734323	1.82E-03	0.00E+00	1.82E-03	3.17E-04
12540	500735.7	3734326	1.85E-03	0.00E+00	1.85E-03	3.22E-04
12541	500726.7	3734330	1.87E-03	0.00E+00	1.87E-03	3.27E-04
12542	500717.8	3734334	1.90E-03	0.00E+00	1.90E-03	3.31E-04

12543	500708.9	3734337	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12544	500700	3734341	1.96E-03	0.00E+00	1.96E-03	3.41E-04
12545	500691.1	3734345	1.99E-03	0.00E+00	1.99E-03	3.46E-04
12546	500628.7	3734371	2.18E-03	0.00E+00	2.18E-03	3.80E-04
12547	500584.1	3734389	2.32E-03	0.00E+00	2.32E-03	4.04E-04
12548	500575.2	3734393	2.35E-03	0.00E+00	2.35E-03	4.09E-04
12549	500566.3	3734396	2.37E-03	0.00E+00	2.37E-03	4.13E-04
12550	500557.4	3734400	2.40E-03	0.00E+00	2.40E-03	4.18E-04
12551	500548.5	3734404	2.43E-03	0.00E+00	2.43E-03	4.23E-04
12552	500539.6	3734407	2.45E-03	0.00E+00	2.45E-03	4.27E-04
12553	500530.6	3734411	2.48E-03	0.00E+00	2.48E-03	4.32E-04
12554	500521.7	3734415	2.50E-03	0.00E+00	2.50E-03	4.36E-04
12555	500512.8	3734418	2.53E-03	0.00E+00	2.53E-03	4.40E-04
12556	500503.9	3734422	2.55E-03	0.00E+00	2.55E-03	4.45E-04
12557	500495	3734426	2.58E-03	0.00E+00	2.58E-03	4.49E-04
12558	500486.1	3734429	2.60E-03	0.00E+00	2.60E-03	4.53E-04
12559	500477.2	3734433	2.62E-03	0.00E+00	2.62E-03	4.57E-04
12560	500468.3	3734437	2.65E-03	0.00E+00	2.65E-03	4.61E-04
12561	500459.3	3734440	2.67E-03	0.00E+00	2.67E-03	4.65E-04
12562	500450.4	3734444	2.69E-03	0.00E+00	2.69E-03	4.69E-04
12563	500441.5	3734448	2.72E-03	0.00E+00	2.72E-03	4.73E-04
12564	500432.6	3734451	2.74E-03	0.00E+00	2.74E-03	4.77E-04
12565	500423.7	3734455	2.76E-03	0.00E+00	2.76E-03	4.81E-04
12566	500414.8	3734459	2.78E-03	0.00E+00	2.78E-03	4.85E-04
12567	500405.9	3734462	2.81E-03	0.00E+00	2.81E-03	4.90E-04
12568	501201.1	3733515	7.44E-04	0.00E+00	7.44E-04	1.30E-04
12569	501201.1	3733506	7.45E-04	0.00E+00	7.45E-04	1.30E-04
12570	501201.1	3733496	7.45E-04	0.00E+00	7.45E-04	1.30E-04
12571	501201.1	3733486	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12572	501201.1	3733476	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12573	501201.1	3733467	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12574	501201.2	3733457	7.47E-04	0.00E+00	7.47E-04	1.30E-04
12575	501201.2	3733447	7.47E-04	0.00E+00	7.47E-04	1.30E-04
12576	501201.2	3733437	7.48E-04	0.00E+00	7.48E-04	1.30E-04
12577	501201.2	3733428	7.50E-04	0.00E+00	7.50E-04	1.31E-04
12578	501201.2	3733418	7.51E-04	0.00E+00	7.51E-04	1.31E-04
12579	501201.2	3733408	7.52E-04	0.00E+00	7.52E-04	1.31E-04
12580	501201.2	3733399	7.53E-04	0.00E+00	7.53E-04	1.31E-04
12581	501201.2	3733389	7.54E-04	0.00E+00	7.54E-04	1.31E-04
12582	501201.2	3733379	7.55E-04	0.00E+00	7.55E-04	1.32E-04
12583	501201.2	3733369	7.57E-04	0.00E+00	7.57E-04	1.32E-04
12584	501201.3	3733360	7.59E-04	0.00E+00	7.59E-04	1.32E-04
12585	501201.3	3733340	7.62E-04	0.00E+00	7.62E-04	1.33E-04
12586	501201.3	3733331	7.64E-04	0.00E+00	7.64E-04	1.33E-04
12587	501201.3	3733321	7.66E-04	0.00E+00	7.66E-04	1.34E-04
12588	501201.3	3733311	7.69E-04	0.00E+00	7.69E-04	1.34E-04
12589	501201.3	3733301	7.71E-04	0.00E+00	7.71E-04	1.34E-04

12590	501201.3	3733292	7.73E-04	0.00E+00	7.73E-04	1.35E-04
12591	501201.3	3733282	7.76E-04	0.00E+00	7.76E-04	1.35E-04
12592	501201.3	3733272	7.79E-04	0.00E+00	7.79E-04	1.36E-04
12593	501201.4	3733262	7.82E-04	0.00E+00	7.82E-04	1.36E-04
12594	501201.4	3733253	7.84E-04	0.00E+00	7.84E-04	1.37E-04
12595	501201.4	3733243	7.88E-04	0.00E+00	7.88E-04	1.37E-04
12596	501201.4	3733233	7.91E-04	0.00E+00	7.91E-04	1.38E-04
12597	501201.4	3733224	7.94E-04	0.00E+00	7.94E-04	1.38E-04
12598	501225.7	3733571	7.21E-04	0.00E+00	7.21E-04	1.26E-04
12599	501222	3733580	7.25E-04	0.00E+00	7.25E-04	1.26E-04
12600	501218.3	3733589	7.30E-04	0.00E+00	7.30E-04	1.27E-04
12601	501214.6	3733598	7.35E-04	0.00E+00	7.35E-04	1.28E-04
12602	501210.9	3733607	7.41E-04	0.00E+00	7.41E-04	1.29E-04
12603	501207.2	3733616	7.46E-04	0.00E+00	7.46E-04	1.30E-04
12604	501203.5	3733624	7.51E-04	0.00E+00	7.51E-04	1.31E-04
12605	501199.8	3733633	7.57E-04	0.00E+00	7.57E-04	1.32E-04
12606	501196.2	3733642	7.62E-04	0.00E+00	7.62E-04	1.33E-04
12607	501192.5	3733651	7.68E-04	0.00E+00	7.68E-04	1.34E-04
12608	501188.8	3733660	7.74E-04	0.00E+00	7.74E-04	1.35E-04
12609	501185.1	3733669	7.80E-04	0.00E+00	7.80E-04	1.36E-04
12610	501181.4	3733678	7.86E-04	0.00E+00	7.86E-04	1.37E-04
12611	501177.7	3733687	7.92E-04	0.00E+00	7.92E-04	1.38E-04
12612	501174	3733696	7.98E-04	0.00E+00	7.98E-04	1.39E-04
12613	501170.3	3733704	8.04E-04	0.00E+00	8.04E-04	1.40E-04
12614	501166.6	3733713	8.10E-04	0.00E+00	8.10E-04	1.41E-04
12615	501162.9	3733722	8.17E-04	0.00E+00	8.17E-04	1.42E-04
12616	501159.2	3733731	8.23E-04	0.00E+00	8.23E-04	1.43E-04
12617	501155.5	3733740	8.30E-04	0.00E+00	8.30E-04	1.45E-04
12618	501144.4	3733767	8.51E-04	0.00E+00	8.51E-04	1.48E-04
12619	501140.8	3733775	8.57E-04	0.00E+00	8.57E-04	1.49E-04
12620	501137.1	3733784	8.64E-04	0.00E+00	8.64E-04	1.50E-04
12621	501133.4	3733793	8.71E-04	0.00E+00	8.71E-04	1.52E-04
12622	501129.7	3733802	8.78E-04	0.00E+00	8.78E-04	1.53E-04
12623	501126	3733811	8.85E-04	0.00E+00	8.85E-04	1.54E-04
12624	501122.3	3733820	8.92E-04	0.00E+00	8.92E-04	1.55E-04
12625	501118.6	3733829	8.99E-04	0.00E+00	8.99E-04	1.57E-04
12626	501114.9	3733838	9.06E-04	0.00E+00	9.06E-04	1.58E-04
12627	501111.2	3733847	9.13E-04	0.00E+00	9.13E-04	1.59E-04
12628	501107.5	3733855	9.20E-04	0.00E+00	9.20E-04	1.60E-04
12629	501103.8	3733864	9.27E-04	0.00E+00	9.27E-04	1.62E-04
12630	501100.1	3733873	9.35E-04	0.00E+00	9.35E-04	1.63E-04
12631	501096.4	3733882	9.42E-04	0.00E+00	9.42E-04	1.64E-04
12632	501092.7	3733891	9.50E-04	0.00E+00	9.50E-04	1.65E-04
12633	501089	3733900	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12634	501085.4	3733909	9.64E-04	0.00E+00	9.64E-04	1.68E-04
12635	501081.7	3733918	9.71E-04	0.00E+00	9.71E-04	1.69E-04
12636	501063.2	3733962	1.01E-03	0.00E+00	1.01E-03	1.76E-04

12637	501059.5	3733971	1.02E-03	0.00E+00	1.02E-03	1.77E-04
12638	501055.8	3733980	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12639	501052.1	3733989	1.03E-03	0.00E+00	1.03E-03	1.80E-04
12640	501048.4	3733998	1.04E-03	0.00E+00	1.04E-03	1.81E-04
12641	501044.7	3734006	1.05E-03	0.00E+00	1.05E-03	1.82E-04
12642	501041	3734015	1.06E-03	0.00E+00	1.06E-03	1.84E-04
12643	501037.3	3734024	1.06E-03	0.00E+00	1.06E-03	1.85E-04
12644	501033.6	3734033	1.07E-03	0.00E+00	1.07E-03	1.87E-04
12645	501030	3734042	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12646	501026.3	3734051	1.09E-03	0.00E+00	1.09E-03	1.89E-04
12647	501022.6	3734060	1.09E-03	0.00E+00	1.09E-03	1.91E-04
12648	501018.9	3734069	1.10E-03	0.00E+00	1.10E-03	1.92E-04
12649	500993	3734131	1.16E-03	0.00E+00	1.16E-03	2.02E-04
12650	500989.3	3734140	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12651	500974.5	3734175	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12652	500970.9	3734184	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12653	500967.2	3734193	1.22E-03	0.00E+00	1.22E-03	2.13E-04
12654	500963.5	3734202	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12655	500959.8	3734211	1.24E-03	0.00E+00	1.24E-03	2.16E-04
12656	500956.1	3734220	1.25E-03	0.00E+00	1.25E-03	2.17E-04
12657	500952.4	3734229	1.26E-03	0.00E+00	1.26E-03	2.19E-04
12658	500948.7	3734237	1.26E-03	0.00E+00	1.26E-03	2.20E-04
12659	500945	3734246	1.27E-03	0.00E+00	1.27E-03	2.22E-04
12660	500941.3	3734255	1.28E-03	0.00E+00	1.28E-03	2.23E-04
12661	500937.6	3734264	1.29E-03	0.00E+00	1.29E-03	2.24E-04
12662	500933.9	3734273	1.30E-03	0.00E+00	1.30E-03	2.26E-04
12663	500921.3	3734286	1.32E-03	0.00E+00	1.32E-03	2.31E-04
12664	500912.4	3734289	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12665	500903.5	3734293	1.37E-03	0.00E+00	1.37E-03	2.38E-04
12666	500894.6	3734297	1.39E-03	0.00E+00	1.39E-03	2.42E-04
12667	500885.7	3734300	1.41E-03	0.00E+00	1.41E-03	2.46E-04
12668	500876.9	3734304	1.43E-03	0.00E+00	1.43E-03	2.49E-04
12669	500868	3734308	1.45E-03	0.00E+00	1.45E-03	2.53E-04
12670	500859.1	3734311	1.48E-03	0.00E+00	1.48E-03	2.57E-04
12671	500850.2	3734315	1.50E-03	0.00E+00	1.50E-03	2.61E-04
12672	500841.3	3734319	1.52E-03	0.00E+00	1.52E-03	2.65E-04
12673	500832.4	3734322	1.55E-03	0.00E+00	1.55E-03	2.70E-04
12674	500823.5	3734326	1.57E-03	0.00E+00	1.57E-03	2.74E-04
12675	500814.6	3734330	1.59E-03	0.00E+00	1.59E-03	2.78E-04
12676	500805.7	3734333	1.62E-03	0.00E+00	1.62E-03	2.82E-04
12677	500796.8	3734337	1.64E-03	0.00E+00	1.64E-03	2.86E-04
12678	500787.9	3734341	1.67E-03	0.00E+00	1.67E-03	2.91E-04
12679	500779	3734344	1.69E-03	0.00E+00	1.69E-03	2.95E-04
12680	500716.7	3734370	1.88E-03	0.00E+00	1.88E-03	3.27E-04
12681	500707.8	3734374	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12682	500698.9	3734377	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12683	500690	3734381	1.95E-03	0.00E+00	1.95E-03	3.41E-04

12684	500681.1	3734385	1.98E-03	0.00E+00	1.98E-03	3.45E-04
12685	500672.2	3734388	2.01E-03	0.00E+00	2.01E-03	3.50E-04
12686	500663.3	3734392	2.03E-03	0.00E+00	2.03E-03	3.54E-04
12687	500654.5	3734396	2.06E-03	0.00E+00	2.06E-03	3.59E-04
12688	500645.6	3734399	2.08E-03	0.00E+00	2.08E-03	3.63E-04
12689	500636.7	3734403	2.11E-03	0.00E+00	2.11E-03	3.68E-04
12690	500627.8	3734407	2.14E-03	0.00E+00	2.14E-03	3.72E-04
12691	500592.2	3734421	2.24E-03	0.00E+00	2.24E-03	3.90E-04
12692	500583.3	3734425	2.26E-03	0.00E+00	2.26E-03	3.94E-04
12693	500574.4	3734429	2.29E-03	0.00E+00	2.29E-03	3.99E-04
12694	500565.5	3734432	2.31E-03	0.00E+00	2.31E-03	4.03E-04
12695	500556.6	3734436	2.34E-03	0.00E+00	2.34E-03	4.07E-04
12696	500547.7	3734440	2.36E-03	0.00E+00	2.36E-03	4.11E-04
12697	500538.8	3734443	2.38E-03	0.00E+00	2.38E-03	4.15E-04
12698	500529.9	3734447	2.41E-03	0.00E+00	2.41E-03	4.20E-04
12699	500521	3734451	2.43E-03	0.00E+00	2.43E-03	4.24E-04
12700	500512.1	3734454	2.45E-03	0.00E+00	2.45E-03	4.28E-04
12701	500503.2	3734458	2.48E-03	0.00E+00	2.48E-03	4.31E-04
12702	500494.3	3734462	2.50E-03	0.00E+00	2.50E-03	4.35E-04
12703	500485.4	3734465	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12704	500476.5	3734469	2.54E-03	0.00E+00	2.54E-03	4.43E-04
12705	500467.6	3734473	2.56E-03	0.00E+00	2.56E-03	4.47E-04
12706	500458.7	3734476	2.58E-03	0.00E+00	2.58E-03	4.50E-04
12707	500449.8	3734480	2.61E-03	0.00E+00	2.61E-03	4.54E-04
12708	500441	3734484	2.63E-03	0.00E+00	2.63E-03	4.58E-04
12709	500432.1	3734487	2.65E-03	0.00E+00	2.65E-03	4.62E-04
12710	500245.2	3734564	2.99E-03	0.00E+00	2.99E-03	5.22E-04
12711	500236.3	3734568	3.01E-03	0.00E+00	3.01E-03	5.24E-04
12712	500227.4	3734572	3.02E-03	0.00E+00	3.02E-03	5.26E-04
12713	500218.6	3734575	3.03E-03	0.00E+00	3.03E-03	5.28E-04
12714	501236.8	3733525	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12715	501236.8	3733515	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12716	501236.8	3733506	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12717	501236.8	3733496	7.05E-04	0.00E+00	7.05E-04	1.23E-04
12718	501236.8	3733486	7.05E-04	0.00E+00	7.05E-04	1.23E-04
12719	501236.9	3733476	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12720	501236.9	3733467	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12721	501236.9	3733457	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12722	501236.9	3733447	7.07E-04	0.00E+00	7.07E-04	1.23E-04
12723	501236.9	3733438	7.08E-04	0.00E+00	7.08E-04	1.23E-04
12724	501236.9	3733428	7.09E-04	0.00E+00	7.09E-04	1.24E-04
12725	501236.9	3733418	7.11E-04	0.00E+00	7.11E-04	1.24E-04
12726	501236.9	3733408	7.12E-04	0.00E+00	7.12E-04	1.24E-04
12727	501236.9	3733399	7.14E-04	0.00E+00	7.14E-04	1.24E-04
12728	501236.9	3733389	7.16E-04	0.00E+00	7.16E-04	1.25E-04
12729	501237	3733379	7.17E-04	0.00E+00	7.17E-04	1.25E-04
12730	501237	3733369	7.18E-04	0.00E+00	7.18E-04	1.25E-04

12731	501237	3733360	7.20E-04	0.00E+00	7.20E-04	1.25E-04
12732	501237	3733340	7.23E-04	0.00E+00	7.23E-04	1.26E-04
12733	501237	3733331	7.25E-04	0.00E+00	7.25E-04	1.26E-04
12734	501237	3733321	7.27E-04	0.00E+00	7.27E-04	1.27E-04
12735	501237	3733311	7.29E-04	0.00E+00	7.29E-04	1.27E-04
12736	501237	3733301	7.31E-04	0.00E+00	7.31E-04	1.27E-04
12737	501253.8	3733589	6.93E-04	0.00E+00	6.93E-04	1.21E-04
12738	501250.1	3733598	6.98E-04	0.00E+00	6.98E-04	1.22E-04
12739	501246.4	3733607	7.03E-04	0.00E+00	7.03E-04	1.22E-04
12740	501242.7	3733616	7.08E-04	0.00E+00	7.08E-04	1.23E-04
12741	501238.9	3733625	7.13E-04	0.00E+00	7.13E-04	1.24E-04
12742	501235.2	3733634	7.18E-04	0.00E+00	7.18E-04	1.25E-04
12743	501231.5	3733643	7.23E-04	0.00E+00	7.23E-04	1.26E-04
12744	501227.7	3733652	7.28E-04	0.00E+00	7.28E-04	1.27E-04
12745	501224	3733661	7.34E-04	0.00E+00	7.34E-04	1.28E-04
12746	501220.3	3733670	7.39E-04	0.00E+00	7.39E-04	1.29E-04
12747	501216.5	3733679	7.45E-04	0.00E+00	7.45E-04	1.30E-04
12748	501212.8	3733688	7.50E-04	0.00E+00	7.50E-04	1.31E-04
12749	501209.1	3733697	7.56E-04	0.00E+00	7.56E-04	1.32E-04
12750	501205.4	3733706	7.62E-04	0.00E+00	7.62E-04	1.33E-04
12751	501201.6	3733715	7.68E-04	0.00E+00	7.68E-04	1.34E-04
12752	501197.9	3733724	7.74E-04	0.00E+00	7.74E-04	1.35E-04
12753	501194.2	3733733	7.80E-04	0.00E+00	7.80E-04	1.36E-04
12754	501179.2	3733769	8.05E-04	0.00E+00	8.05E-04	1.40E-04
12755	501175.5	3733778	8.11E-04	0.00E+00	8.11E-04	1.41E-04
12756	501171.8	3733787	8.17E-04	0.00E+00	8.17E-04	1.42E-04
12757	501168.1	3733796	8.24E-04	0.00E+00	8.24E-04	1.44E-04
12758	501164.3	3733805	8.30E-04	0.00E+00	8.30E-04	1.45E-04
12759	501160.6	3733814	8.37E-04	0.00E+00	8.37E-04	1.46E-04
12760	501156.9	3733823	8.43E-04	0.00E+00	8.43E-04	1.47E-04
12761	501153.1	3733832	8.50E-04	0.00E+00	8.50E-04	1.48E-04
12762	501149.4	3733841	8.57E-04	0.00E+00	8.57E-04	1.49E-04
12763	501145.7	3733850	8.63E-04	0.00E+00	8.63E-04	1.50E-04
12764	501141.9	3733859	8.70E-04	0.00E+00	8.70E-04	1.52E-04
12765	501138.2	3733868	8.77E-04	0.00E+00	8.77E-04	1.53E-04
12766	501134.5	3733877	8.83E-04	0.00E+00	8.83E-04	1.54E-04
12767	501130.8	3733885	8.90E-04	0.00E+00	8.90E-04	1.55E-04
12768	501127	3733894	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12769	501123.3	3733903	9.04E-04	0.00E+00	9.04E-04	1.57E-04
12770	501119.6	3733912	9.11E-04	0.00E+00	9.11E-04	1.59E-04
12771	501115.8	3733921	9.18E-04	0.00E+00	9.18E-04	1.60E-04
12772	501112.1	3733930	9.25E-04	0.00E+00	9.25E-04	1.61E-04
12773	501108.4	3733939	9.32E-04	0.00E+00	9.32E-04	1.62E-04
12774	501104.6	3733948	9.39E-04	0.00E+00	9.39E-04	1.64E-04
12775	501100.9	3733957	9.46E-04	0.00E+00	9.46E-04	1.65E-04
12776	501097.2	3733966	9.53E-04	0.00E+00	9.53E-04	1.66E-04
12777	501093.5	3733975	9.60E-04	0.00E+00	9.60E-04	1.67E-04

12778	501089.7	3733984	9.67E-04	0.00E+00	9.67E-04	1.68E-04
12779	501086	3733993	9.74E-04	0.00E+00	9.74E-04	1.70E-04
12780	501082.3	3734002	9.81E-04	0.00E+00	9.81E-04	1.71E-04
12781	501078.5	3734011	9.88E-04	0.00E+00	9.88E-04	1.72E-04
12782	501074.8	3734020	9.96E-04	0.00E+00	9.96E-04	1.73E-04
12783	501071.1	3734029	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12784	501067.3	3734038	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12785	501063.6	3734047	1.02E-03	0.00E+00	1.02E-03	1.77E-04
12786	501059.9	3734056	1.02E-03	0.00E+00	1.02E-03	1.79E-04
12787	501056.2	3734065	1.03E-03	0.00E+00	1.03E-03	1.80E-04
12788	501052.4	3734074	1.04E-03	0.00E+00	1.04E-03	1.81E-04
12789	501048.7	3734083	1.05E-03	0.00E+00	1.05E-03	1.82E-04
12790	501045	3734092	1.05E-03	0.00E+00	1.05E-03	1.84E-04
12791	501041.2	3734101	1.06E-03	0.00E+00	1.06E-03	1.85E-04
12792	501037.5	3734110	1.07E-03	0.00E+00	1.07E-03	1.86E-04
12793	501033.8	3734119	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12794	501030	3734128	1.09E-03	0.00E+00	1.09E-03	1.89E-04
12795	501026.3	3734137	1.09E-03	0.00E+00	1.09E-03	1.90E-04
12796	500992.7	3734217	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12797	500989	3734226	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12798	500985.3	3734235	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12799	500981.6	3734244	1.19E-03	0.00E+00	1.19E-03	2.07E-04
12800	500977.8	3734253	1.19E-03	0.00E+00	1.19E-03	2.08E-04
12801	500974.1	3734262	1.20E-03	0.00E+00	1.20E-03	2.09E-04
12802	500970.4	3734271	1.21E-03	0.00E+00	1.21E-03	2.11E-04
12803	500966.6	3734280	1.22E-03	0.00E+00	1.22E-03	2.12E-04
12804	500962.9	3734289	1.23E-03	0.00E+00	1.23E-03	2.14E-04
12805	500959.2	3734298	1.23E-03	0.00E+00	1.23E-03	2.15E-04
12806	500946.5	3734311	1.26E-03	0.00E+00	1.26E-03	2.20E-04
12807	500937.5	3734315	1.28E-03	0.00E+00	1.28E-03	2.24E-04
12808	500928.5	3734318	1.30E-03	0.00E+00	1.30E-03	2.27E-04
12809	500919.5	3734322	1.32E-03	0.00E+00	1.32E-03	2.31E-04
12810	500910.5	3734326	1.34E-03	0.00E+00	1.34E-03	2.34E-04
12811	500901.5	3734329	1.36E-03	0.00E+00	1.36E-03	2.38E-04
12812	500892.6	3734333	1.39E-03	0.00E+00	1.39E-03	2.41E-04
12813	500883.6	3734337	1.41E-03	0.00E+00	1.41E-03	2.45E-04
12814	500874.6	3734341	1.43E-03	0.00E+00	1.43E-03	2.49E-04
12815	500865.6	3734344	1.45E-03	0.00E+00	1.45E-03	2.53E-04
12816	500802.7	3734370	1.61E-03	0.00E+00	1.61E-03	2.81E-04
12817	500793.7	3734374	1.63E-03	0.00E+00	1.63E-03	2.85E-04
12818	500784.7	3734378	1.66E-03	0.00E+00	1.66E-03	2.89E-04
12819	500775.8	3734381	1.68E-03	0.00E+00	1.68E-03	2.93E-04
12820	500766.8	3734385	1.71E-03	0.00E+00	1.71E-03	2.97E-04
12821	500757.8	3734389	1.73E-03	0.00E+00	1.73E-03	3.02E-04
12822	500748.8	3734392	1.76E-03	0.00E+00	1.76E-03	3.06E-04
12823	500739.8	3734396	1.78E-03	0.00E+00	1.78E-03	3.11E-04
12824	500730.8	3734400	1.81E-03	0.00E+00	1.81E-03	3.15E-04

12825	500721.9	3734403	1.83E-03	0.00E+00	1.83E-03	3.19E-04
12826	500712.9	3734407	1.86E-03	0.00E+00	1.86E-03	3.24E-04
12827	500703.9	3734411	1.88E-03	0.00E+00	1.88E-03	3.28E-04
12828	500694.9	3734415	1.91E-03	0.00E+00	1.91E-03	3.32E-04
12829	500685.9	3734418	1.93E-03	0.00E+00	1.93E-03	3.36E-04
12830	500676.9	3734422	1.96E-03	0.00E+00	1.96E-03	3.41E-04
12831	500668	3734426	1.98E-03	0.00E+00	1.98E-03	3.45E-04
12832	500659	3734429	2.00E-03	0.00E+00	2.00E-03	3.49E-04
12833	500650	3734433	2.03E-03	0.00E+00	2.03E-03	3.53E-04
12834	500641	3734437	2.05E-03	0.00E+00	2.05E-03	3.58E-04
12835	500632	3734441	2.08E-03	0.00E+00	2.08E-03	3.62E-04
12836	500623	3734444	2.10E-03	0.00E+00	2.10E-03	3.66E-04
12837	500587.1	3734459	2.20E-03	0.00E+00	2.20E-03	3.83E-04
12838	500578.1	3734463	2.22E-03	0.00E+00	2.22E-03	3.87E-04
12839	500569.1	3734466	2.24E-03	0.00E+00	2.24E-03	3.91E-04
12840	500560.1	3734470	2.26E-03	0.00E+00	2.26E-03	3.95E-04
12841	500551.2	3734474	2.29E-03	0.00E+00	2.29E-03	3.98E-04
12842	500542.2	3734478	2.31E-03	0.00E+00	2.31E-03	4.02E-04
12843	500533.2	3734481	2.33E-03	0.00E+00	2.33E-03	4.06E-04
12844	500524.2	3734485	2.35E-03	0.00E+00	2.35E-03	4.10E-04
12845	500326.6	3734566	2.76E-03	0.00E+00	2.76E-03	4.80E-04
12846	500317.6	3734570	2.77E-03	0.00E+00	2.77E-03	4.83E-04
12847	500308.6	3734574	2.79E-03	0.00E+00	2.79E-03	4.85E-04
12848	500299.6	3734578	2.80E-03	0.00E+00	2.80E-03	4.88E-04
12849	500290.6	3734581	2.81E-03	0.00E+00	2.81E-03	4.90E-04
12850	500281.6	3734585	2.82E-03	0.00E+00	2.82E-03	4.92E-04
12851	500272.7	3734589	2.84E-03	0.00E+00	2.84E-03	4.94E-04
12852	500263.7	3734592	2.85E-03	0.00E+00	2.85E-03	4.96E-04
12853	500254.7	3734596	2.86E-03	0.00E+00	2.86E-03	4.99E-04
12854	500245.7	3734600	2.87E-03	0.00E+00	2.87E-03	5.01E-04
12855	500236.7	3734603	2.88E-03	0.00E+00	2.88E-03	5.02E-04
12856	500227.7	3734607	2.89E-03	0.00E+00	2.89E-03	5.04E-04
12857	500218.7	3734611	2.90E-03	0.00E+00	2.90E-03	5.06E-04
12858	501272.5	3733545	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12859	501272.5	3733535	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12860	501272.5	3733525	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12861	501272.5	3733515	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12862	501272.5	3733506	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12863	501272.5	3733496	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12864	501272.6	3733486	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12865	501272.6	3733476	6.70E-04	0.00E+00	6.70E-04	1.17E-04
12866	501272.6	3733467	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12867	501272.6	3733457	6.71E-04	0.00E+00	6.71E-04	1.17E-04
12868	501272.6	3733447	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12869	501272.6	3733438	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12870	501272.6	3733428	6.73E-04	0.00E+00	6.73E-04	1.17E-04
12871	501272.6	3733418	6.74E-04	0.00E+00	6.74E-04	1.17E-04

12872	501272.6	3733408	6.75E-04	0.00E+00	6.75E-04	1.18E-04
12873	501272.6	3733399	6.76E-04	0.00E+00	6.76E-04	1.18E-04
12874	501272.7	3733389	6.78E-04	0.00E+00	6.78E-04	1.18E-04
12875	501272.7	3733379	6.79E-04	0.00E+00	6.79E-04	1.18E-04
12876	501272.7	3733369	6.80E-04	0.00E+00	6.80E-04	1.19E-04
12877	501272.7	3733360	6.82E-04	0.00E+00	6.82E-04	1.19E-04
12878	501272.7	3733340	6.85E-04	0.00E+00	6.85E-04	1.19E-04
12879	501272.7	3733331	6.87E-04	0.00E+00	6.87E-04	1.20E-04
12880	501272.7	3733321	6.89E-04	0.00E+00	6.89E-04	1.20E-04
12881	501272.7	3733311	6.91E-04	0.00E+00	6.91E-04	1.20E-04
12882	501272.7	3733301	6.93E-04	0.00E+00	6.93E-04	1.21E-04
12883	501272.8	3733282	6.99E-04	0.00E+00	6.99E-04	1.22E-04
12884	501272.8	3733272	7.02E-04	0.00E+00	7.02E-04	1.22E-04
12885	501272.8	3733263	7.04E-04	0.00E+00	7.04E-04	1.23E-04
12886	501272.8	3733253	7.07E-04	0.00E+00	7.07E-04	1.23E-04
12887	501272.8	3733243	7.10E-04	0.00E+00	7.10E-04	1.24E-04
12888	501304.5	3733554	6.43E-04	0.00E+00	6.43E-04	1.12E-04
12889	501282.2	3733607	6.67E-04	0.00E+00	6.67E-04	1.16E-04
12890	501278.4	3733616	6.72E-04	0.00E+00	6.72E-04	1.17E-04
12891	501274.7	3733625	6.77E-04	0.00E+00	6.77E-04	1.18E-04
12892	501271	3733634	6.81E-04	0.00E+00	6.81E-04	1.19E-04
12893	501267.3	3733643	6.86E-04	0.00E+00	6.86E-04	1.20E-04
12894	501263.5	3733652	6.91E-04	0.00E+00	6.91E-04	1.20E-04
12895	501259.8	3733661	6.96E-04	0.00E+00	6.96E-04	1.21E-04
12896	501256.1	3733670	7.01E-04	0.00E+00	7.01E-04	1.22E-04
12897	501252.4	3733679	7.06E-04	0.00E+00	7.06E-04	1.23E-04
12898	501248.7	3733688	7.11E-04	0.00E+00	7.11E-04	1.24E-04
12899	501244.9	3733697	7.17E-04	0.00E+00	7.17E-04	1.25E-04
12900	501241.2	3733706	7.22E-04	0.00E+00	7.22E-04	1.26E-04
12901	501237.5	3733715	7.27E-04	0.00E+00	7.27E-04	1.27E-04
12902	501233.8	3733724	7.33E-04	0.00E+00	7.33E-04	1.28E-04
12903	501230	3733733	7.38E-04	0.00E+00	7.38E-04	1.29E-04
12904	501226.3	3733742	7.44E-04	0.00E+00	7.44E-04	1.30E-04
12905	501215.2	3733768	7.61E-04	0.00E+00	7.61E-04	1.33E-04
12906	501211.4	3733777	7.67E-04	0.00E+00	7.67E-04	1.34E-04
12907	501207.7	3733786	7.73E-04	0.00E+00	7.73E-04	1.35E-04
12908	501204	3733795	7.79E-04	0.00E+00	7.79E-04	1.36E-04
12909	501200.3	3733804	7.85E-04	0.00E+00	7.85E-04	1.37E-04
12910	501196.5	3733813	7.91E-04	0.00E+00	7.91E-04	1.38E-04
12911	501192.8	3733822	7.97E-04	0.00E+00	7.97E-04	1.39E-04
12912	501189.1	3733831	8.03E-04	0.00E+00	8.03E-04	1.40E-04
12913	501185.4	3733840	8.09E-04	0.00E+00	8.09E-04	1.41E-04
12914	501181.7	3733849	8.15E-04	0.00E+00	8.15E-04	1.42E-04
12915	501177.9	3733858	8.22E-04	0.00E+00	8.22E-04	1.43E-04
12916	501174.2	3733867	8.28E-04	0.00E+00	8.28E-04	1.44E-04
12917	501170.5	3733876	8.34E-04	0.00E+00	8.34E-04	1.45E-04
12918	501166.8	3733885	8.40E-04	0.00E+00	8.40E-04	1.46E-04

12919	501163	3733894	8.46E-04	0.00E+00	8.46E-04	1.47E-04
12920	501159.3	3733903	8.53E-04	0.00E+00	8.53E-04	1.49E-04
12921	501155.6	3733912	8.59E-04	0.00E+00	8.59E-04	1.50E-04
12922	501151.9	3733921	8.65E-04	0.00E+00	8.65E-04	1.51E-04
12923	501148.2	3733930	8.72E-04	0.00E+00	8.72E-04	1.52E-04
12924	501144.4	3733939	8.78E-04	0.00E+00	8.78E-04	1.53E-04
12925	501140.7	3733947	8.84E-04	0.00E+00	8.84E-04	1.54E-04
12926	501137	3733956	8.91E-04	0.00E+00	8.91E-04	1.55E-04
12927	501133.3	3733965	8.97E-04	0.00E+00	8.97E-04	1.56E-04
12928	501129.5	3733974	9.04E-04	0.00E+00	9.04E-04	1.58E-04
12929	501125.8	3733983	9.11E-04	0.00E+00	9.11E-04	1.59E-04
12930	501122.1	3733992	9.17E-04	0.00E+00	9.17E-04	1.60E-04
12931	501118.4	3734001	9.23E-04	0.00E+00	9.23E-04	1.61E-04
12932	501114.7	3734010	9.29E-04	0.00E+00	9.29E-04	1.62E-04
12933	501110.9	3734019	9.36E-04	0.00E+00	9.36E-04	1.63E-04
12934	501107.2	3734028	9.43E-04	0.00E+00	9.43E-04	1.64E-04
12935	501103.5	3734037	9.50E-04	0.00E+00	9.50E-04	1.66E-04
12936	501099.8	3734046	9.57E-04	0.00E+00	9.57E-04	1.67E-04
12937	501096	3734055	9.64E-04	0.00E+00	9.64E-04	1.68E-04
12938	501092.3	3734064	9.71E-04	0.00E+00	9.71E-04	1.69E-04
12939	501088.6	3734073	9.77E-04	0.00E+00	9.77E-04	1.70E-04
12940	501084.9	3734082	9.84E-04	0.00E+00	9.84E-04	1.72E-04
12941	501081.2	3734091	9.91E-04	0.00E+00	9.91E-04	1.73E-04
12942	501077.4	3734100	9.98E-04	0.00E+00	9.98E-04	1.74E-04
12943	501073.7	3734109	1.00E-03	0.00E+00	1.00E-03	1.75E-04
12944	501070	3734118	1.01E-03	0.00E+00	1.01E-03	1.76E-04
12945	501066.3	3734127	1.02E-03	0.00E+00	1.02E-03	1.78E-04
12946	501062.5	3734136	1.03E-03	0.00E+00	1.03E-03	1.79E-04
12947	501047.7	3734171	1.05E-03	0.00E+00	1.05E-03	1.84E-04
12948	501043.9	3734180	1.06E-03	0.00E+00	1.06E-03	1.85E-04
12949	501040.2	3734189	1.07E-03	0.00E+00	1.07E-03	1.86E-04
12950	501036.5	3734198	1.08E-03	0.00E+00	1.08E-03	1.88E-04
12951	501032.8	3734207	1.08E-03	0.00E+00	1.08E-03	1.89E-04
12952	501029	3734216	1.09E-03	0.00E+00	1.09E-03	1.90E-04
12953	501025.3	3734225	1.10E-03	0.00E+00	1.10E-03	1.91E-04
12954	501021.6	3734234	1.11E-03	0.00E+00	1.11E-03	1.93E-04
12955	501017.9	3734243	1.11E-03	0.00E+00	1.11E-03	1.94E-04
12956	500991.8	3734306	1.16E-03	0.00E+00	1.16E-03	2.03E-04
12957	500988.1	3734315	1.17E-03	0.00E+00	1.17E-03	2.04E-04
12958	500984.4	3734324	1.18E-03	0.00E+00	1.18E-03	2.05E-04
12959	500971.7	3734336	1.20E-03	0.00E+00	1.20E-03	2.10E-04
12960	500962.7	3734340	1.22E-03	0.00E+00	1.22E-03	2.13E-04
12961	500953.8	3734344	1.24E-03	0.00E+00	1.24E-03	2.17E-04
12962	500891	3734369	1.38E-03	0.00E+00	1.38E-03	2.41E-04
12963	500882	3734373	1.40E-03	0.00E+00	1.40E-03	2.44E-04
12964	500873.1	3734377	1.42E-03	0.00E+00	1.42E-03	2.48E-04
12965	500864.1	3734381	1.44E-03	0.00E+00	1.44E-03	2.52E-04

12966	500855.1	3734384	1.47E-03	0.00E+00	1.47E-03	2.55E-04
12967	500846.2	3734388	1.49E-03	0.00E+00	1.49E-03	2.59E-04
12968	500837.2	3734392	1.51E-03	0.00E+00	1.51E-03	2.63E-04
12969	500828.3	3734395	1.53E-03	0.00E+00	1.53E-03	2.67E-04
12970	500819.3	3734399	1.55E-03	0.00E+00	1.55E-03	2.70E-04
12971	500810.3	3734403	1.57E-03	0.00E+00	1.57E-03	2.74E-04
12972	500801.4	3734406	1.60E-03	0.00E+00	1.60E-03	2.78E-04
12973	500792.4	3734410	1.62E-03	0.00E+00	1.62E-03	2.82E-04
12974	500783.4	3734414	1.64E-03	0.00E+00	1.64E-03	2.86E-04
12975	500774.5	3734417	1.66E-03	0.00E+00	1.66E-03	2.90E-04
12976	500765.5	3734421	1.69E-03	0.00E+00	1.69E-03	2.94E-04
12977	500756.5	3734425	1.71E-03	0.00E+00	1.71E-03	2.98E-04
12978	500747.6	3734429	1.74E-03	0.00E+00	1.74E-03	3.02E-04
12979	500738.6	3734432	1.76E-03	0.00E+00	1.76E-03	3.07E-04
12980	500729.6	3734436	1.78E-03	0.00E+00	1.78E-03	3.11E-04
12981	500720.7	3734440	1.81E-03	0.00E+00	1.81E-03	3.15E-04
12982	500711.7	3734443	1.83E-03	0.00E+00	1.83E-03	3.19E-04
12983	500702.7	3734447	1.85E-03	0.00E+00	1.85E-03	3.23E-04
12984	500693.8	3734451	1.87E-03	0.00E+00	1.87E-03	3.27E-04
12985	500684.8	3734454	1.90E-03	0.00E+00	1.90E-03	3.31E-04
12986	500675.8	3734458	1.92E-03	0.00E+00	1.92E-03	3.35E-04
12987	500666.9	3734462	1.94E-03	0.00E+00	1.94E-03	3.38E-04
12988	500657.9	3734466	1.97E-03	0.00E+00	1.97E-03	3.42E-04
12989	500648.9	3734469	1.99E-03	0.00E+00	1.99E-03	3.46E-04
12990	500640	3734473	2.01E-03	0.00E+00	2.01E-03	3.50E-04
12991	500631	3734477	2.03E-03	0.00E+00	2.03E-03	3.54E-04
12992	500622.1	3734480	2.06E-03	0.00E+00	2.06E-03	3.58E-04
12993	500415.9	3734565	2.51E-03	0.00E+00	2.51E-03	4.37E-04
12994	500406.9	3734569	2.52E-03	0.00E+00	2.52E-03	4.39E-04
12995	500397.9	3734573	2.54E-03	0.00E+00	2.54E-03	4.42E-04
12996	500389	3734576	2.55E-03	0.00E+00	2.55E-03	4.45E-04
12997	500380	3734580	2.57E-03	0.00E+00	2.57E-03	4.48E-04
12998	500371	3734584	2.58E-03	0.00E+00	2.58E-03	4.50E-04
12999	500362.1	3734587	2.60E-03	0.00E+00	2.60E-03	4.53E-04
13000	500353.1	3734591	2.61E-03	0.00E+00	2.61E-03	4.55E-04
13001	500344.1	3734595	2.63E-03	0.00E+00	2.63E-03	4.58E-04
13002	500335.2	3734599	2.64E-03	0.00E+00	2.64E-03	4.60E-04
13003	500326.2	3734602	2.65E-03	0.00E+00	2.65E-03	4.62E-04
13004	500317.2	3734606	2.67E-03	0.00E+00	2.67E-03	4.65E-04
13005	500308.3	3734610	2.68E-03	0.00E+00	2.68E-03	4.67E-04
13006	500299.3	3734613	2.69E-03	0.00E+00	2.69E-03	4.69E-04
13007	500290.3	3734617	2.70E-03	0.00E+00	2.70E-03	4.71E-04
13008	500281.4	3734621	2.72E-03	0.00E+00	2.72E-03	4.73E-04
13009	500272.4	3734624	2.73E-03	0.00E+00	2.73E-03	4.75E-04
13010	500263.4	3734628	2.74E-03	0.00E+00	2.74E-03	4.77E-04
13011	500254.5	3734632	2.75E-03	0.00E+00	2.75E-03	4.79E-04
13012	500245.5	3734636	2.76E-03	0.00E+00	2.76E-03	4.81E-04

13013	500236.5	3734639	2.77E-03	0.00E+00	2.77E-03	4.83E-04
13014	500227.6	3734643	2.78E-03	0.00E+00	2.78E-03	4.84E-04
13015	500218.6	3734647	2.79E-03	0.00E+00	2.79E-03	4.86E-04
13016	501308.2	3733545	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13017	501308.2	3733535	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13018	501308.2	3733525	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13019	501308.2	3733515	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13020	501308.3	3733506	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13021	501308.3	3733496	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13022	501308.3	3733486	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13023	501308.3	3733476	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13024	501308.3	3733467	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13025	501308.3	3733457	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13026	501308.3	3733447	6.39E-04	0.00E+00	6.39E-04	1.11E-04
13027	501308.3	3733438	6.40E-04	0.00E+00	6.40E-04	1.11E-04
13028	501308.3	3733428	6.41E-04	0.00E+00	6.41E-04	1.12E-04
13029	501308.3	3733418	6.41E-04	0.00E+00	6.41E-04	1.12E-04
13030	501308.4	3733408	6.42E-04	0.00E+00	6.42E-04	1.12E-04
13031	501308.4	3733399	6.43E-04	0.00E+00	6.43E-04	1.12E-04
13032	501308.4	3733389	6.44E-04	0.00E+00	6.44E-04	1.12E-04
13033	501308.4	3733379	6.46E-04	0.00E+00	6.46E-04	1.12E-04
13034	501308.4	3733370	6.47E-04	0.00E+00	6.47E-04	1.13E-04
13035	501308.4	3733360	6.48E-04	0.00E+00	6.48E-04	1.13E-04
13036	501308.4	3733331	6.53E-04	0.00E+00	6.53E-04	1.14E-04
13037	501308.4	3733321	6.55E-04	0.00E+00	6.55E-04	1.14E-04
13038	501308.5	3733311	6.57E-04	0.00E+00	6.57E-04	1.14E-04
13039	501308.5	3733301	6.59E-04	0.00E+00	6.59E-04	1.15E-04
13040	501308.5	3733282	6.63E-04	0.00E+00	6.63E-04	1.16E-04
13041	501308.5	3733272	6.65E-04	0.00E+00	6.65E-04	1.16E-04
13042	501308.5	3733263	6.68E-04	0.00E+00	6.68E-04	1.16E-04
13043	501308.5	3733253	6.70E-04	0.00E+00	6.70E-04	1.17E-04
13044	501340.2	3733554	6.12E-04	0.00E+00	6.12E-04	1.07E-04
13045	501336.5	3733562	6.16E-04	0.00E+00	6.16E-04	1.07E-04
13046	501332.8	3733571	6.19E-04	0.00E+00	6.19E-04	1.08E-04
13047	501280.8	3733697	6.80E-04	0.00E+00	6.80E-04	1.19E-04
13048	501277.1	3733705	6.85E-04	0.00E+00	6.85E-04	1.19E-04
13049	501273.3	3733714	6.90E-04	0.00E+00	6.90E-04	1.20E-04
13050	501269.6	3733723	6.95E-04	0.00E+00	6.95E-04	1.21E-04
13051	501265.9	3733732	7.00E-04	0.00E+00	7.00E-04	1.22E-04
13052	501262.2	3733741	7.06E-04	0.00E+00	7.06E-04	1.23E-04
13053	501251.1	3733768	7.22E-04	0.00E+00	7.22E-04	1.26E-04
13054	501247.3	3733777	7.27E-04	0.00E+00	7.27E-04	1.27E-04
13055	501243.6	3733786	7.32E-04	0.00E+00	7.32E-04	1.28E-04
13056	501239.9	3733795	7.38E-04	0.00E+00	7.38E-04	1.29E-04
13057	501236.2	3733804	7.43E-04	0.00E+00	7.43E-04	1.30E-04
13058	501232.5	3733813	7.49E-04	0.00E+00	7.49E-04	1.31E-04
13059	501228.8	3733822	7.55E-04	0.00E+00	7.55E-04	1.31E-04

13060	501225.1	3733831	7.60E-04	0.00E+00	7.60E-04	1.32E-04
13061	501221.3	3733839	7.66E-04	0.00E+00	7.66E-04	1.33E-04
13062	501217.6	3733848	7.71E-04	0.00E+00	7.71E-04	1.34E-04
13063	501213.9	3733857	7.77E-04	0.00E+00	7.77E-04	1.35E-04
13064	501210.2	3733866	7.82E-04	0.00E+00	7.82E-04	1.36E-04
13065	501206.5	3733875	7.87E-04	0.00E+00	7.87E-04	1.37E-04
13066	501202.8	3733884	7.93E-04	0.00E+00	7.93E-04	1.38E-04
13067	501199	3733893	8.00E-04	0.00E+00	8.00E-04	1.39E-04
13068	501195.3	3733902	8.06E-04	0.00E+00	8.06E-04	1.40E-04
13069	501191.6	3733911	8.11E-04	0.00E+00	8.11E-04	1.41E-04
13070	501187.9	3733920	8.17E-04	0.00E+00	8.17E-04	1.42E-04
13071	501184.2	3733929	8.22E-04	0.00E+00	8.22E-04	1.43E-04
13072	501180.5	3733938	8.28E-04	0.00E+00	8.28E-04	1.44E-04
13073	501176.8	3733947	8.33E-04	0.00E+00	8.33E-04	1.45E-04
13074	501173	3733956	8.39E-04	0.00E+00	8.39E-04	1.46E-04
13075	501169.3	3733965	8.44E-04	0.00E+00	8.44E-04	1.47E-04
13076	501165.6	3733974	8.50E-04	0.00E+00	8.50E-04	1.48E-04
13077	501161.9	3733982	8.56E-04	0.00E+00	8.56E-04	1.49E-04
13078	501158.2	3733991	8.62E-04	0.00E+00	8.62E-04	1.50E-04
13079	501154.5	3734000	8.69E-04	0.00E+00	8.69E-04	1.51E-04
13080	501150.8	3734009	8.75E-04	0.00E+00	8.75E-04	1.52E-04
13081	501147	3734018	8.81E-04	0.00E+00	8.81E-04	1.53E-04
13082	501143.3	3734027	8.86E-04	0.00E+00	8.86E-04	1.54E-04
13083	501139.6	3734036	8.92E-04	0.00E+00	8.92E-04	1.55E-04
13084	501135.9	3734045	8.98E-04	0.00E+00	8.98E-04	1.57E-04
13085	501132.2	3734054	9.05E-04	0.00E+00	9.05E-04	1.58E-04
13086	501128.5	3734063	9.11E-04	0.00E+00	9.11E-04	1.59E-04
13087	501124.7	3734072	9.18E-04	0.00E+00	9.18E-04	1.60E-04
13088	501121	3734081	9.24E-04	0.00E+00	9.24E-04	1.61E-04
13089	501117.3	3734090	9.31E-04	0.00E+00	9.31E-04	1.62E-04
13090	501113.6	3734099	9.37E-04	0.00E+00	9.37E-04	1.63E-04
13091	501109.9	3734108	9.43E-04	0.00E+00	9.43E-04	1.64E-04
13092	501106.2	3734117	9.49E-04	0.00E+00	9.49E-04	1.65E-04
13093	501102.5	3734125	9.55E-04	0.00E+00	9.55E-04	1.66E-04
13094	501098.7	3734134	9.62E-04	0.00E+00	9.62E-04	1.68E-04
13095	501095	3734143	9.69E-04	0.00E+00	9.69E-04	1.69E-04
13096	501083.9	3734170	9.90E-04	0.00E+00	9.90E-04	1.73E-04
13097	501080.2	3734179	9.97E-04	0.00E+00	9.97E-04	1.74E-04
13098	501076.5	3734188	1.00E-03	0.00E+00	1.00E-03	1.75E-04
13099	501072.7	3734197	1.01E-03	0.00E+00	1.01E-03	1.76E-04
13100	501069	3734206	1.02E-03	0.00E+00	1.02E-03	1.78E-04
13101	501065.3	3734215	1.03E-03	0.00E+00	1.03E-03	1.79E-04
13102	501061.6	3734224	1.03E-03	0.00E+00	1.03E-03	1.80E-04
13103	501057.9	3734233	1.04E-03	0.00E+00	1.04E-03	1.81E-04
13104	501054.2	3734242	1.05E-03	0.00E+00	1.05E-03	1.82E-04
13105	501050.5	3734251	1.05E-03	0.00E+00	1.05E-03	1.83E-04
13106	501046.7	3734259	1.06E-03	0.00E+00	1.06E-03	1.85E-04

13107	501043	3734268	1.07E-03	0.00E+00	1.07E-03	1.86E-04
13108	501039.3	3734277	1.07E-03	0.00E+00	1.07E-03	1.87E-04
13109	501035.6	3734286	1.08E-03	0.00E+00	1.08E-03	1.88E-04
13110	501031.9	3734295	1.09E-03	0.00E+00	1.09E-03	1.89E-04
13111	501028.2	3734304	1.09E-03	0.00E+00	1.09E-03	1.90E-04
13112	501024.4	3734313	1.10E-03	0.00E+00	1.10E-03	1.92E-04
13113	501020.7	3734322	1.11E-03	0.00E+00	1.11E-03	1.93E-04
13114	500988	3734365	1.17E-03	0.00E+00	1.17E-03	2.03E-04
13115	500979	3734369	1.18E-03	0.00E+00	1.18E-03	2.06E-04
13116	500970.1	3734373	1.20E-03	0.00E+00	1.20E-03	2.10E-04
13117	500961.1	3734376	1.22E-03	0.00E+00	1.22E-03	2.13E-04
13118	500952.2	3734380	1.24E-03	0.00E+00	1.24E-03	2.16E-04
13119	500943.2	3734384	1.26E-03	0.00E+00	1.26E-03	2.20E-04
13120	500934.3	3734387	1.28E-03	0.00E+00	1.28E-03	2.23E-04
13121	500925.3	3734391	1.30E-03	0.00E+00	1.30E-03	2.26E-04
13122	500916.4	3734395	1.32E-03	0.00E+00	1.32E-03	2.29E-04
13123	500907.5	3734398	1.34E-03	0.00E+00	1.34E-03	2.33E-04
13124	500898.5	3734402	1.36E-03	0.00E+00	1.36E-03	2.36E-04
13125	500889.6	3734406	1.38E-03	0.00E+00	1.38E-03	2.40E-04
13126	500880.6	3734409	1.39E-03	0.00E+00	1.39E-03	2.43E-04
13127	500871.7	3734413	1.41E-03	0.00E+00	1.41E-03	2.47E-04
13128	500862.7	3734417	1.44E-03	0.00E+00	1.44E-03	2.50E-04
13129	500853.8	3734420	1.46E-03	0.00E+00	1.46E-03	2.54E-04
13130	500844.8	3734424	1.48E-03	0.00E+00	1.48E-03	2.57E-04
13131	500835.9	3734428	1.50E-03	0.00E+00	1.50E-03	2.61E-04
13132	500826.9	3734432	1.52E-03	0.00E+00	1.52E-03	2.64E-04
13133	500818	3734435	1.54E-03	0.00E+00	1.54E-03	2.68E-04
13134	500809	3734439	1.56E-03	0.00E+00	1.56E-03	2.72E-04
13135	500800.1	3734443	1.58E-03	0.00E+00	1.58E-03	2.75E-04
13136	500791.1	3734446	1.60E-03	0.00E+00	1.60E-03	2.79E-04
13137	500782.2	3734450	1.63E-03	0.00E+00	1.63E-03	2.83E-04
13138	500773.2	3734454	1.65E-03	0.00E+00	1.65E-03	2.87E-04
13139	500764.3	3734457	1.67E-03	0.00E+00	1.67E-03	2.91E-04
13140	500755.3	3734461	1.69E-03	0.00E+00	1.69E-03	2.95E-04
13141	500746.4	3734465	1.71E-03	0.00E+00	1.71E-03	2.98E-04
13142	500737.5	3734468	1.73E-03	0.00E+00	1.73E-03	3.02E-04
13143	500728.5	3734472	1.76E-03	0.00E+00	1.76E-03	3.06E-04
13144	500719.6	3734476	1.78E-03	0.00E+00	1.78E-03	3.10E-04
13145	500710.6	3734480	1.80E-03	0.00E+00	1.80E-03	3.13E-04
13146	500701.7	3734483	1.82E-03	0.00E+00	1.82E-03	3.17E-04
13147	500692.7	3734487	1.84E-03	0.00E+00	1.84E-03	3.21E-04
13148	500683.8	3734491	1.86E-03	0.00E+00	1.86E-03	3.25E-04
13149	500674.8	3734494	1.88E-03	0.00E+00	1.88E-03	3.28E-04
13150	500665.9	3734498	1.91E-03	0.00E+00	1.91E-03	3.32E-04
13151	500656.9	3734502	1.93E-03	0.00E+00	1.93E-03	3.36E-04
13152	500648	3734505	1.95E-03	0.00E+00	1.95E-03	3.39E-04
13153	500639	3734509	1.97E-03	0.00E+00	1.97E-03	3.43E-04

13154	500630.1	3734513	1.99E-03	0.00E+00	1.99E-03	3.47E-04
13155	500621.1	3734516	2.01E-03	0.00E+00	2.01E-03	3.50E-04
13156	500495.9	3734568	2.27E-03	0.00E+00	2.27E-03	3.96E-04
13157	500486.9	3734572	2.29E-03	0.00E+00	2.29E-03	3.99E-04
13158	500478	3734575	2.31E-03	0.00E+00	2.31E-03	4.02E-04
13159	500469	3734579	2.33E-03	0.00E+00	2.33E-03	4.05E-04
13160	500460.1	3734583	2.34E-03	0.00E+00	2.34E-03	4.08E-04
13161	500451.1	3734586	2.36E-03	0.00E+00	2.36E-03	4.11E-04
13162	500442.2	3734590	2.38E-03	0.00E+00	2.38E-03	4.14E-04
13163	500433.2	3734594	2.39E-03	0.00E+00	2.39E-03	4.17E-04
13164	500424.3	3734598	2.41E-03	0.00E+00	2.41E-03	4.19E-04
13165	500415.3	3734601	2.42E-03	0.00E+00	2.42E-03	4.22E-04
13166	500406.4	3734605	2.44E-03	0.00E+00	2.44E-03	4.24E-04
13167	500397.4	3734609	2.45E-03	0.00E+00	2.45E-03	4.27E-04
13168	500388.5	3734612	2.47E-03	0.00E+00	2.47E-03	4.30E-04
13169	500379.6	3734616	2.48E-03	0.00E+00	2.48E-03	4.32E-04
13170	500370.6	3734620	2.49E-03	0.00E+00	2.49E-03	4.34E-04
13171	500361.7	3734623	2.51E-03	0.00E+00	2.51E-03	4.37E-04
13172	500352.7	3734627	2.52E-03	0.00E+00	2.52E-03	4.39E-04
13173	500343.8	3734631	2.53E-03	0.00E+00	2.53E-03	4.41E-04
13174	500334.8	3734634	2.55E-03	0.00E+00	2.55E-03	4.43E-04
13175	500325.9	3734638	2.56E-03	0.00E+00	2.56E-03	4.46E-04
13176	500316.9	3734642	2.57E-03	0.00E+00	2.57E-03	4.48E-04
13177	500308	3734645	2.58E-03	0.00E+00	2.58E-03	4.50E-04
13178	500299	3734649	2.59E-03	0.00E+00	2.59E-03	4.52E-04
13179	500290.1	3734653	2.60E-03	0.00E+00	2.60E-03	4.54E-04
13180	500281.1	3734657	2.61E-03	0.00E+00	2.61E-03	4.55E-04
13181	500272.2	3734660	2.62E-03	0.00E+00	2.62E-03	4.57E-04
13182	500263.2	3734664	2.63E-03	0.00E+00	2.63E-03	4.59E-04
13183	500254.3	3734668	2.64E-03	0.00E+00	2.64E-03	4.61E-04
13184	500245.3	3734671	2.65E-03	0.00E+00	2.65E-03	4.62E-04
13185	500236.4	3734675	2.66E-03	0.00E+00	2.66E-03	4.64E-04
13186	500227.4	3734679	2.67E-03	0.00E+00	2.67E-03	4.66E-04
13187	500218.5	3734682	2.68E-03	0.00E+00	2.68E-03	4.67E-04
13188	501343.9	3733545	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13189	501343.9	3733535	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13190	501343.9	3733525	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13191	501344	3733515	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13192	501344	3733506	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13193	501344	3733496	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13194	501344	3733486	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13195	501344	3733477	6.08E-04	0.00E+00	6.08E-04	1.06E-04
13196	501344	3733467	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13197	501344	3733457	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13198	501344	3733447	6.09E-04	0.00E+00	6.09E-04	1.06E-04
13199	501344	3733438	6.10E-04	0.00E+00	6.10E-04	1.06E-04
13200	501344	3733428	6.11E-04	0.00E+00	6.11E-04	1.06E-04

13201	501344.1	3733418	6.11E-04	0.00E+00	6.11E-04	1.07E-04
13202	501344.1	3733408	6.12E-04	0.00E+00	6.12E-04	1.07E-04
13203	501344.1	3733399	6.13E-04	0.00E+00	6.13E-04	1.07E-04
13204	501344.1	3733389	6.14E-04	0.00E+00	6.14E-04	1.07E-04
13205	501344.1	3733379	6.15E-04	0.00E+00	6.15E-04	1.07E-04
13206	501344.1	3733370	6.17E-04	0.00E+00	6.17E-04	1.07E-04
13207	501344.1	3733360	6.18E-04	0.00E+00	6.18E-04	1.08E-04
13208	501344.1	3733331	6.23E-04	0.00E+00	6.23E-04	1.08E-04
13209	501344.2	3733321	6.24E-04	0.00E+00	6.24E-04	1.09E-04
13210	501344.2	3733311	6.26E-04	0.00E+00	6.26E-04	1.09E-04
13211	501344.2	3733301	6.28E-04	0.00E+00	6.28E-04	1.09E-04
13212	501344.2	3733282	6.32E-04	0.00E+00	6.32E-04	1.10E-04
13213	501344.2	3733272	6.34E-04	0.00E+00	6.34E-04	1.10E-04
13214	501344.2	3733263	6.36E-04	0.00E+00	6.36E-04	1.11E-04
13215	501344.2	3733253	6.38E-04	0.00E+00	6.38E-04	1.11E-04
13216	501344.2	3733243	6.41E-04	0.00E+00	6.41E-04	1.12E-04
13217	501344.2	3733233	6.43E-04	0.00E+00	6.43E-04	1.12E-04
13218	501344.3	3733224	6.45E-04	0.00E+00	6.45E-04	1.12E-04
13219	501344.3	3733214	6.48E-04	0.00E+00	6.48E-04	1.13E-04
13220	501344.3	3733204	6.50E-04	0.00E+00	6.50E-04	1.13E-04
13221	499793.2	3733260	2.48E-02	0.00E+00	2.48E-02	4.32E-03
13222	499776.5	3733260	2.09E-02	0.00E+00	2.09E-02	3.64E-03
13223	499751.5	3733258	1.66E-02	0.00E+00	1.66E-02	2.89E-03
13224	499798	3733218	2.49E-02	0.00E+00	2.49E-02	4.33E-03
13225	499777.7	3733219	2.00E-02	0.00E+00	2.00E-02	3.48E-03
13226	499749.1	3733218	1.52E-02	0.00E+00	1.52E-02	2.66E-03
13227	499789.6	3733178	2.12E-02	0.00E+00	2.12E-02	3.70E-03
13228	499768.2	3733176	1.68E-02	0.00E+00	1.68E-02	2.93E-03
13229	499751.5	3733176	1.44E-02	0.00E+00	1.44E-02	2.50E-03
13230	499826.6	3733100	3.04E-02	0.00E+00	3.04E-02	5.30E-03
13231	499824.2	3733085	2.78E-02	0.00E+00	2.78E-02	4.84E-03
13232	499823	3733044	2.26E-02	0.00E+00	2.26E-02	3.94E-03
13233	499823	3733026	2.04E-02	0.00E+00	2.04E-02	3.55E-03
13234	499801.6	3732976	1.16E-02	0.00E+00	1.16E-02	2.02E-03
13235	499788.5	3732967	9.99E-03	0.00E+00	9.99E-03	1.74E-03
13236	499761	3732958	7.97E-03	0.00E+00	7.97E-03	1.39E-03
13237	499744.3	3732951	7.05E-03	0.00E+00	7.05E-03	1.23E-03
13238	499783.7	3733028	1.24E-02	0.00E+00	1.24E-02	2.15E-03
13239	499761	3733029	1.01E-02	0.00E+00	1.01E-02	1.77E-03
13240	499738.4	3733029	8.58E-03	0.00E+00	8.58E-03	1.50E-03
13241	499781.3	3733074	1.44E-02	0.00E+00	1.44E-02	2.52E-03
13242	499761	3733074	1.18E-02	0.00E+00	1.18E-02	2.06E-03
13243	499732.4	3733074	9.37E-03	0.00E+00	9.37E-03	1.63E-03
13244	499685.9	3732952	5.26E-03	0.00E+00	5.26E-03	9.17E-04
13245	499687.1	3732973	5.55E-03	0.00E+00	5.55E-03	9.67E-04
13246	499687.1	3733000	5.89E-03	0.00E+00	5.89E-03	1.03E-03
13247	499687.1	3733033	6.36E-03	0.00E+00	6.36E-03	1.11E-03

13248	499688.3	3733053	6.71E-03	0.00E+00	6.71E-03	1.17E-03
13249	499688.3	3733076	7.08E-03	0.00E+00	7.08E-03	1.23E-03
13250	499696.6	3733167	9.17E-03	0.00E+00	9.17E-03	1.60E-03
13251	499699	3733180	9.58E-03	0.00E+00	9.58E-03	1.67E-03
13252	499697.8	3733220	1.03E-02	0.00E+00	1.03E-02	1.79E-03
13253	499697.8	3733236	1.06E-02	0.00E+00	1.06E-02	1.84E-03
13254	499697.8	3733258	1.09E-02	0.00E+00	1.09E-02	1.91E-03
13255	499639.4	3733264	7.67E-03	0.00E+00	7.67E-03	1.34E-03
13256	499614.3	3733262	6.67E-03	0.00E+00	6.67E-03	1.16E-03
13257	499638.2	3733241	7.34E-03	0.00E+00	7.34E-03	1.28E-03
13258	499613.1	3733241	6.42E-03	0.00E+00	6.42E-03	1.12E-03
13259	499635.8	3733214	6.94E-03	0.00E+00	6.94E-03	1.21E-03
13260	499637	3733189	6.69E-03	0.00E+00	6.69E-03	1.17E-03
13261	499614.3	3733184	5.90E-03	0.00E+00	5.90E-03	1.03E-03
13262	499613.1	3733213	6.15E-03	0.00E+00	6.15E-03	1.07E-03
13263	499617.9	3733085	5.05E-03	0.00E+00	5.05E-03	8.80E-04
13264	499616.7	3733071	4.90E-03	0.00E+00	4.90E-03	8.53E-04
13265	499615.5	3733046	4.66E-03	0.00E+00	4.66E-03	8.12E-04
13266	499614.3	3733031	4.51E-03	0.00E+00	4.51E-03	7.86E-04
13267	499614.3	3733008	4.34E-03	0.00E+00	4.34E-03	7.55E-04
13268	499620.3	3732978	4.21E-03	0.00E+00	4.21E-03	7.34E-04
13269	499622.7	3732942	3.99E-03	0.00E+00	3.99E-03	6.95E-04
13270	499607.2	3732928	3.68E-03	0.00E+00	3.68E-03	6.41E-04
13271	499573.8	3732942	3.36E-03	0.00E+00	3.36E-03	5.86E-04
13272	499573.8	3732929	3.30E-03	0.00E+00	3.30E-03	5.74E-04
13273	499539.2	3732927	2.95E-03	0.00E+00	2.95E-03	5.14E-04
13274	499541.5	3732941	3.03E-03	0.00E+00	3.03E-03	5.28E-04
13275	499511.7	3732941	2.77E-03	0.00E+00	2.77E-03	4.83E-04
13276	499487.9	3732942	2.60E-03	0.00E+00	2.60E-03	4.53E-04
13277	499491.5	3732928	2.58E-03	0.00E+00	2.58E-03	4.49E-04
13278	499511.7	3732928	2.73E-03	0.00E+00	2.73E-03	4.75E-04
13279	499436.6	3732935	2.25E-03	0.00E+00	2.25E-03	3.92E-04
13280	499436.6	3733002	2.42E-03	0.00E+00	2.42E-03	4.22E-04
13281	499436.6	3733089	2.67E-03	0.00E+00	2.67E-03	4.66E-04
13282	499526	3733091	3.55E-03	0.00E+00	3.55E-03	6.19E-04
13283	499523.7	3733142	3.77E-03	0.00E+00	3.77E-03	6.57E-04
13284	499435.4	3733149	2.85E-03	0.00E+00	2.85E-03	4.96E-04
13285	499437.8	3733233	3.15E-03	0.00E+00	3.15E-03	5.48E-04
13286	499483.1	3733258	3.77E-03	0.00E+00	3.77E-03	6.57E-04
13287	499507	3733257	4.12E-03	0.00E+00	4.12E-03	7.17E-04
13288	499530.8	3733257	4.52E-03	0.00E+00	4.52E-03	7.88E-04
13289	499555.9	3733256	5.02E-03	0.00E+00	5.02E-03	8.74E-04
13290	499638.2	3733158	6.37E-03	0.00E+00	6.37E-03	1.11E-03
13291	499616.7	3733158	5.71E-03	0.00E+00	5.71E-03	9.95E-04
13292	499632.2	3732883	3.71E-03	0.00E+00	3.71E-03	6.46E-04
13293	499658.4	3732890	4.13E-03	0.00E+00	4.13E-03	7.20E-04
13294	499559.4	3732891	2.98E-03	0.00E+00	2.98E-03	5.19E-04

13295	499473.6	3732891	2.35E-03	0.00E+00	2.35E-03	4.09E-04
13296	499512.9	3732889	2.60E-03	0.00E+00	2.60E-03	4.53E-04
13297	499490.3	3732865	2.37E-03	0.00E+00	2.37E-03	4.13E-04
13298	499584.5	3732859	3.06E-03	0.00E+00	3.06E-03	5.32E-04
13299	499559.4	3732847	2.79E-03	0.00E+00	2.79E-03	4.86E-04
13300	499535.6	3732836	2.57E-03	0.00E+00	2.57E-03	4.48E-04
13301	499509.3	3732825	2.37E-03	0.00E+00	2.37E-03	4.13E-04
13302	499484.3	3732814	2.19E-03	0.00E+00	2.19E-03	3.82E-04
13303	499441.4	3732808	1.97E-03	0.00E+00	1.97E-03	3.43E-04
13304	499411.5	3732812	1.86E-03	0.00E+00	1.86E-03	3.23E-04
13305	499411.5	3732790	1.81E-03	0.00E+00	1.81E-03	3.16E-04
13306	499428.2	3732793	1.88E-03	0.00E+00	1.88E-03	3.28E-04

			UnMitigated				5	T2					T2L3					T4				
							0.00E+00					0.00E+00					0.00E+00					0.00E+00
					1	0.00	0.00															
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

637	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

765	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			UnMitigated		5		T2				T2L3				T4			
			1	0.00	0.00													
			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4
1	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

						8
			1	0.00	0.00	
	Max Yr	**2**	UnMitigated	T2	T2L3	T4
	Row	**19**	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**0%**	**100%**	**17%**
			Year 2	Year 2	Year 2	Year 2
1	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

41	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

88	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

# of Units	BHP	Hr/Year	gr/bhp-hr	g/year	lbs/year
1	200	50	0.01	100	0.220459
1	536	50	0.01	268	0.590829

	Daily Trips
	1811

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	85.9%	1.1%	2.2%	10.9%	100%
# Daily Vehicles	1554.74	19.92	39.84	196.49	1811
# Annual Vehicles	567,481	7,271	14,542	71,720	661,015

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	7,271	7.8%	5.88E+00
3-Axle Trks	14,542	15.5%	1.04E+00
4-Axle Trks	71,720	76.7%	1.75E+00
Total	93,534	100%	---

DPM Lbs/ Yr	ONSITE_1	ONSITE_2	ONSITE_3				Total
Distance (m)	259.7	173.4	344				777.1
%	33%	33%	33%	0%	0%	0%	100%
2-Axle Trks	3.16E-01	2.11E-01	4.18E-01	0.00E+00	0.00E+00	0.00E+00	9.46E-01
3-Axle Trks	5.61E-02	3.74E-02	7.42E-02	0.00E+00	0.00E+00	0.00E+00	1.68E-01
4-Axle Trks	9.43E-02	6.29E-02	1.25E-01	0.00E+00	0.00E+00	0.00E+00	2.82E-01
Total	4.67E-01	3.11E-01	6.18E-01	0.00E+00	0.00E+00	0.00E+00	1.40E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	7,271	7.8%	4.28E-01
3-Axle Trks	14,542	15.5%	3.91E-01
4-Axle Trks	71,720	76.7%	5.04E+00
Total	93,534	100%	---

DPM Lbs/ Yr	KIRBY_N	KIRBY_S	KIRBY_SC	KIRBY_NC	WHIT_IN	WHIT_Out	Total
Gas Only	N	N	Y	Y	N	N	
Distance (m)	656.4	655.3	359.2	369.9	1549.2	1513.1	5103.1
%	25%	25%	0%	0%	25%	25%	100%
2-Axle Trks	4.36E-02	4.36E-02	0.00E+00	0.00E+00	1.03E-01	1.01E-01	2.91E-01
3-Axle Trks	3.99E-02	3.98E-02	0.00E+00	0.00E+00	9.42E-02	9.20E-02	2.66E-01
4-Axle Trks	5.14E-01	5.13E-01	0.00E+00	0.00E+00	1.21E+00	1.19E+00	3.43E+00
Total	5.98E-01	5.97E-01	0.00E+00	0.00E+00	1.41E+00	1.38E+00	3.98E+00

Truck Idle

# of Idling Pts	44

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	44	0	0	0	0	0	44
2-Axle Trks	7,271	6.03E-05	0.083	3.65E-02	8.31E-04	3.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-02
3-Axle Trks	14,542	5.78E-05	0.083	7.01E-02	1.59E-03	7.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-02
4-Axle Trks	71,720	7.81E-05	0.083	4.67E-01	1.06E-02	4.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-01
Total	93,534	--	--	5.73E-01	1.30E-02	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-01

TRUs

Percent of Trucks	0		# of Units	1	
Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	567,481	65%	34.98%
# Vehicles		369,000	198,481

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.72E-05	4.78E-04
LDT	6.70E-05	8.11E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	2.81E-02	3.72E-02
107028	Acrolein	1.30E-03	1.31E-02	1.73E-02
71432	Benzene	2.47E-02	2.48E-01	3.29E-01
106990	1,3-Butadiene	5.50E-03	5.52E-02	7.31E-02
100414	Ethylbenzene	1.05E-02	1.05E-01	1.40E-01
50000	Formaldehyde	1.58E-02	1.59E-01	2.10E-01
110543	Hexane	1.60E-02	1.61E-01	2.13E-01
67561	Methanol	1.20E-03	1.21E-02	1.60E-02
78933	Methyl Ethyl Ketone	2.00E-04	2.01E-03	2.66E-03
91203	Naphthalene	5.00E-04	5.02E-03	6.65E-03
115071	Propylene	3.06E-02	3.07E-01	4.07E-01
100425	Styrene	1.20E-03	1.21E-02	1.60E-02
108883	Toluene	5.76E-02	5.79E-01	7.66E-01
1330207	Xylenes	4.80E-02	4.82E-01	6.38E-01
9901	Diesel	1.29E-02	1.05E+01	5.63E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	3.62E-02	4.79E-02
100414	Ethylbenzene	1.180E-03	1.19E-02	1.57E-02
110543	Hexane	1.540E-02	1.55E-01	2.05E-01
108883	Toluene	1.700E-02	1.71E-01	2.26E-01
1330207	Xylenes	5.780E-03	5.81E-02	7.69E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	ONSITE_1		ONSITE_2		ONSITE_3		0		0		0		KIRBY_N		KIRBY_S		KIRBY_SC		KIRBY_NC		WHIT_IN		WHIT_Out			
				Cars	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		11.16%		11.14%		6.11%		6.29%		26.35%		25.73%		86.78%	5880.2
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	2.18E-05	6.54E-02		2.18E-12	6.54E-09	2.18E-12	6.54E-09	2.18E-12	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-06	7.30E-03	2.43E-06	7.28E-03	1.33E-06	3.99E-03	1.37E-06	4.11E-03	5.74E-06	1.72E-02	5.61E-06	1.68E-02	1.89E-05	5.67E-02
107028	Acrolein	1.01E-05	3.03E-02		1.01E-12	3.03E-09	1.01E-12	3.03E-09	1.01E-12	3.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	3.39E-03	1.13E-06	3.38E-03	6.18E-07	1.85E-03	6.36E-07	1.91E-03	2.67E-06	8.00E-03	2.60E-06	7.81E-03	8.78E-06	2.63E-02
71432	Benzene	2.20E-04	6.61E-01		2.20E-11	6.61E-08	2.20E-11	6.61E-08	2.20E-11	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	7.37E-02	2.45E-05	7.36E-02	1.35E-05	4.04E-02	1.39E-05	4.16E-02	5.80E-05	1.74E-01	5.67E-05	1.70E-01	1.91E-04	5.73E-01
106990	1,3-Butadiene	4.28E-05	1.28E-01		4.28E-12	1.28E-08	4.28E-12	1.28E-08	4.28E-12	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-06	1.43E-02	4.77E-06	1.43E-02	2.61E-06	7.84E-03	2.69E-06	8.08E-03	1.13E-05	3.38E-02	1.10E-05	3.30E-02	3.71E-05	1.11E-01
100414	Ethylbenzene	9.09E-05	2.73E-01		9.09E-12	2.73E-08	9.09E-12	2.73E-08	9.09E-12	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	3.04E-02	1.01E-05	3.04E-02	5.55E-06	1.67E-02	5.72E-06	1.72E-02	2.39E-05	7.18E-02	2.34E-05	7.02E-02	7.89E-05	2.37E-01
50000	Formaldehyde	1.23E-04	3.69E-01		1.23E-11	3.69E-08	1.23E-11	3.69E-08	1.23E-11	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	4.12E-02	1.37E-05	4.11E-02	7.51E-06	2.25E-02	7.73E-06	2.32E-02	3.24E-05	9.72E-02	3.16E-05	9.49E-02	1.07E-04	3.20E-01
110543	Hexane	2.44E-04	7.33E-01		2.44E-11	7.33E-08	2.44E-11	7.33E-08	2.44E-11	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	8.18E-02	2.72E-05	8.17E-02	1.49E-05	4.48E-02	1.54E-05	4.61E-02	6.44E-05	1.93E-01	6.29E-05	1.89E-01	2.12E-04	6.36E-01
67561	Methanol	9.34E-06	2.80E-02		9.34E-13	2.80E-09	9.34E-13	2.80E-09	9.34E-13	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	3.13E-03	1.04E-06	3.12E-03	5.70E-07	1.71E-03	5.87E-07	1.76E-03	2.46E-06	7.38E-03	2.40E-06	7.21E-03	8.10E-06	2.43E-02
78933	Methyl Ethyl Ketone	1.56E-06	4.67E-03		1.56E-13	4.67E-10	1.56E-13	4.67E-10	1.56E-13	4.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	5.21E-04	1.73E-07	5.20E-04	9.51E-08	2.85E-04	9.79E-08	2.94E-04	4.10E-07	1.23E-03	4.00E-07	1.20E-03	1.35E-06	4.05E-03
91203	Naphthalene	3.89E-06	1.17E-02		3.89E-13	1.17E-09	3.89E-13	1.17E-09	3.89E-13	1.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-07	1.30E-03	4.34E-07	1.30E-03	2.38E-07	7.13E-04	2.45E-07	7.34E-04	1.03E-06	3.08E-03	1.00E-06	3.00E-03	3.38E-06	1.01E-02
115071	Propylene	2.38E-04	7.14E-01		2.38E-11	7.14E-08	2.38E-11	7.14E-08	2.38E-11	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	7.97E-02	2.65E-05	7.96E-02	1.45E-05	4.36E-02	1.50E-05	4.49E-02	6.27E-05	1.88E-01	6.13E-05	1.84E-01	2.07E-04	6.20E-01
100425	Styrene	9.34E-06	2.80E-02		9.34E-13	2.80E-09	9.34E-13	2.80E-09	9.34E-13	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	3.13E-03	1.04E-06	3.12E-03	5.70E-07	1.71E-03	5.87E-07	1.76E-03	2.46E-06	7.38E-03	2.40E-06	7.21E-03	8.10E-06	2.43E-02
108883	Toluene	5.80E-04	1.74E+00		5.80E-11	1.74E-07	5.80E-11	1.74E-07	5.80E-11	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	1.94E-01	6.47E-05	1.94E-01	3.55E-05	1.06E-01	3.65E-05	1.10E-01	1.53E-04	4.59E-01	1.49E-04	4.48E-01	5.04E-04	1.51E+00
1330207	Xylenes	4.18E-04	1.26E+00		4.18E-11	1.26E-07	4.18E-11	1.26E-07	4.18E-11	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	1.40E-01	4.66E-05	1.40E-01	2.56E-05	7.67E-02	2.63E-05	7.90E-02	1.10E-04	3.31E-01	1.08E-04	3.23E-01	3.63E-04	1.09E+00
9901	Diesel	5.36E-03	1.61E+01		5.36E-10	4.67E-01	5.36E-10	3.11E-01	5.36E-10	6.18E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	2.39E+00	5.98E-04	2.39E+00	3.28E-04	9.83E-01	3.37E-04	1.01E+00	1.41E-03	5.65E+00	1.38E-03	5.52E+00	4.65E-03	1.93E+01

	Model Source		Source Col	Dat Col		Col	Row	CAS#	Chemical Name	Pol Count	Source Count
1	ONSITE_1		1	8	1	8	98	75070	Acetaldehyde	15	19
2	ONSITE_2		2	10	2	10	99	107028	Acrolein		
3	ONSITE_3		3	12	3	12	100	71432	Benzene		
4		0	4	14	4	14	101	106990	1-3,Butadiene		
5		0	5	16	5	16	102	100414	Ethylbenzene		
6		0	6	18	6	18	103	50000	Formaldehyde		
7	KIRBY_N		7	20	7	20	104	110543	Hexane		
8	KIRBY_S		8	22	8	22	105	67561	Methanol		
9	KIRBY_SC		9	24	9	24	106	78933	Methyl Ethyl Ketone		
10	KIRBY_NC		10	26	10	26	107	91203	Naphthalene		
11	WHIT_IN		11	28	11	28	108	115071	Propylene		
12	WHIT_Out		12	30	12	30	109	100425	Styrene		
13	Idle		Idle1	8		8	110	108883	Toluene		
14		0	Idle1	9		8	111	1330207	Xylenes		
15		0	Idle1	10		8	112	9901	Diesel		
16		0	Idle1	11		8					
17		0	Idle1	12		8	37		Idle		
18		0	Idle1	13		7	47		TRU		
19	TRU		TRU	7							
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1	8	98	1	1	ONSITE_1	0	0	75070	Acetaldehyde	1	6.54E-09	2.18E-12	1
1	8	99	1	2	ONSITE_1	0	0	107028	Acrolein	1	3.03E-09	1.01E-12	1
1	8	100	1	3	ONSITE_1	0	0	71432	Benzene	1	6.61E-08	2.20E-11	1
1	8	101	1	4	ONSITE_1	0	0	106990	1-3,Butadiene	1	1.28E-08	4.28E-12	1
1	8	102	1	5	ONSITE_1	0	0	100414	Ethylbenzene	1	2.73E-08	9.09E-12	1
1	8	103	1	6	ONSITE_1	0	0	50000	Formaldehyde	1	3.69E-08	1.23E-11	1
1	8	104	1	7	ONSITE_1	0	0	110543	Hexane	1	7.33E-08	2.44E-11	1
1	8	105	1	8	ONSITE_1	0	0	67561	Methanol	1	2.80E-09	9.34E-13	1
1	8	106	1	9	ONSITE_1	0	0	78933	Methyl Ethyl Ketone	1	4.67E-10	1.56E-13	1
1	8	107	1	10	ONSITE_1	0	0	91203	Naphthalene	1	1.17E-09	3.89E-13	1
1	8	108	1	11	ONSITE_1	0	0	115071	Propylene	1	7.14E-08	2.38E-11	1
1	8	109	1	12	ONSITE_1	0	0	100425	Styrene	1	2.80E-09	9.34E-13	1
1	8	110	1	13	ONSITE_1	0	0	108883	Toluene	1	1.74E-07	5.80E-11	1
1	8	111	1	14	ONSITE_1	0	0	1330207	Xylenes	1	1.26E-07	4.18E-11	1
1	8	112	1	15	ONSITE_1	0	0	9901	Diesel	1	4.67E-01	5.36E-10	1
2	10	98	2	1	ONSITE_2	0	0	75070	Acetaldehyde	1	6.54E-09	2.18E-12	1
2	10	99	2	2	ONSITE_2	0	0	107028	Acrolein	1	3.03E-09	1.01E-12	1
2	10	100	2	3	ONSITE_2	0	0	71432	Benzene	1	6.61E-08	2.20E-11	1
2	10	101	2	4	ONSITE_2	0	0	106990	1-3,Butadiene	1	1.28E-08	4.28E-12	1
2	10	102	2	5	ONSITE_2	0	0	100414	Ethylbenzene	1	2.73E-08	9.09E-12	1
2	10	103	2	6	ONSITE_2	0	0	50000	Formaldehyde	1	3.69E-08	1.23E-11	1
2	10	104	2	7	ONSITE_2	0	0	110543	Hexane	1	7.33E-08	2.44E-11	1
2	10	105	2	8	ONSITE_2	0	0	67561	Methanol	1	2.80E-09	9.34E-13	1
2	10	106	2	9	ONSITE_2	0	0	78933	Methyl Ethyl Ketone	1	4.67E-10	1.56E-13	1
2	10	107	2	10	ONSITE_2	0	0	91203	Naphthalene	1	1.17E-09	3.89E-13	1
2	10	108	2	11	ONSITE_2	0	0	115071	Propylene	1	7.14E-08	2.38E-11	1
2	10	109	2	12	ONSITE_2	0	0	100425	Styrene	1	2.80E-09	9.34E-13	1
2	10	110	2	13	ONSITE_2	0	0	108883	Toluene	1	1.74E-07	5.80E-11	1
2	10	111	2	14	ONSITE_2	0	0	1330207	Xylenes	1	1.26E-07	4.18E-11	1
2	10	112	2	15	ONSITE_2	0	0	9901	Diesel	1	3.11E-01	5.36E-10	1
3	12	98	3	1	ONSITE_3	0	0	75070	Acetaldehyde	1	6.54E-09	2.18E-12	1
3	12	99	3	2	ONSITE_3	0	0	107028	Acrolein	1	3.03E-09	1.01E-12	1
3	12	100	3	3	ONSITE_3	0	0	71432	Benzene	1	6.61E-08	2.20E-11	1
3	12	101	3	4	ONSITE_3	0	0	106990	1-3,Butadiene	1	1.28E-08	4.28E-12	1
3	12	102	3	5	ONSITE_3	0	0	100414	Ethylbenzene	1	2.73E-08	9.09E-12	1
3	12	103	3	6	ONSITE_3	0	0	50000	Formaldehyde	1	3.69E-08	1.23E-11	1
3	12	104	3	7	ONSITE_3	0	0	110543	Hexane	1	7.33E-08	2.44E-11	1
3	12	105	3	8	ONSITE_3	0	0	67561	Methanol	1	2.80E-09	9.34E-13	1
3	12	106	3	9	ONSITE_3	0	0	78933	Methyl Ethyl Ketone	1	4.67E-10	1.56E-13	1
3	12	107	3	10	ONSITE_3	0	0	91203	Naphthalene	1	1.17E-09	3.89E-13	1
3	12	108	3	11	ONSITE_3	0	0	115071	Propylene	1	7.14E-08	2.38E-11	1
3	12	109	3	12	ONSITE_3	0	0	100425	Styrene	1	2.80E-09	9.34E-13	1
3	12	110	3	13	ONSITE_3	0	0	108883	Toluene	1	1.74E-07	5.80E-11	1
3	12	111	3	14	ONSITE_3	0	0	1330207	Xylenes	1	1.26E-07	4.18E-11	1
3	12	112	3	15	ONSITE_3	0	0	9901	Diesel	1	6.18E-01	5.36E-10	1
4	14	98	4	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
4	14	99	4	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
4	14	100	4	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
4	14	101	4	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
4	14	102	4	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
4	14	103	4	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
4	14	104	4	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
4	14	105	4	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
4	14	106	4	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
4	14	107	4	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
4	14	108	4	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
4	14	109	4	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
4	14	110	4	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
4	14	111	4	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
4	14	112	4	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
5	16	98	5	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
5	16	99	5	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
5	16	100	5	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
5	16	101	5	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
5	16	102	5	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
5	16	103	5	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
5	16	104	5	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
5	16	105	5	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
5	16	106	5	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
5	16	107	5	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
5	16	108	5	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
5	16	109	5	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
5	16	110	5	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
5	16	111	5	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
5	16	112	5	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
6	18	98	6	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
6	18	99	6	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
6	18	100	6	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
6	18	101	6	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
6	18	102	6	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
6	18	103	6	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
6	18	104	6	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
6	18	105	6	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
6	18	106	6	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
6	18	107	6	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
6	18	108	6	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
6	18	109	6	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
6	18	110	6	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
6	18	111	6	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
6	18	112	6	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
7	20	98	7	1	KIRBY_N	0	0	75070	Acetaldehyde	1	7.30E-03	2.43E-06	1
7	20	99	7	2	KIRBY_N	0	0	107028	Acrolein	1	3.39E-03	1.13E-06	1
7	20	100	7	3	KIRBY_N	0	0	71432	Benzene	1	7.37E-02	2.46E-05	1
7	20	101	7	4	KIRBY_N	0	0	106990	1-3,Butadiene	1	1.43E-02	4.78E-06	1
7	20	102	7	5	KIRBY_N	0	0	100414	Ethylbenzene	1	3.04E-02	1.01E-05	1
7	20	103	7	6	KIRBY_N	0	0	50000	Formaldehyde	1	4.12E-02	1.37E-05	1
7	20	104	7	7	KIRBY_N	0	0	110543	Hexane	1	8.18E-02	2.73E-05	1
7	20	105	7	8	KIRBY_N	0	0	67561	Methanol	1	3.13E-03	1.04E-06	1
7	20	106	7	9	KIRBY_N	0	0	78933	Methyl Ethyl Ketone	1	5.21E-04	1.74E-07	1
7	20	107	7	10	KIRBY_N	0	0	91203	Naphthalene	1	1.30E-03	4.34E-07	1
7	20	108	7	11	KIRBY_N	0	0	115071	Propylene	1	7.97E-02	2.66E-05	1
7	20	109	7	12	KIRBY_N	0	0	100425	Styrene	1	3.13E-03	1.04E-06	1
7	20	110	7	13	KIRBY_N	0	0	108883	Toluene	1	1.94E-01	6.48E-05	1
7	20	111	7	14	KIRBY_N	0	0	1330207	Xylenes	1	1.40E-01	4.67E-05	1
7	20	112	7	15	KIRBY_N	0	0	9901	Diesel	1	2.39E+00	5.99E-04	1
8	22	98	8	1	KIRBY_S	0	0	75070	Acetaldehyde	1	7.28E-03	2.43E-06	1
8	22	99	8	2	KIRBY_S	0	0	107028	Acrolein	1	3.38E-03	1.13E-06	1
8	22	100	8	3	KIRBY_S	0	0	71432	Benzene	1	7.36E-02	2.45E-05	1
8	22	101	8	4	KIRBY_S	0	0	106990	1-3,Butadiene	1	1.43E-02	4.77E-06	1
8	22	102	8	5	KIRBY_S	0	0	100414	Ethylbenzene	1	3.04E-02	1.01E-05	1
8	22	103	8	6	KIRBY_S	0	0	50000	Formaldehyde	1	4.11E-02	1.37E-05	1
8	22	104	8	7	KIRBY_S	0	0	110543	Hexane	1	8.17E-02	2.72E-05	1
8	22	105	8	8	KIRBY_S	0	0	67561	Methanol	1	3.12E-03	1.04E-06	1
8	22	106	8	9	KIRBY_S	0	0	78933	Methyl Ethyl Ketone	1	5.20E-04	1.73E-07	1
8	22	107	8	10	KIRBY_S	0	0	91203	Naphthalene	1	1.30E-03	4.34E-07	1
8	22	108	8	11	KIRBY_S	0	0	115071	Propylene	1	7.96E-02	2.65E-05	1
8	22	109	8	12	KIRBY_S	0	0	100425	Styrene	1	3.12E-03	1.04E-06	1
8	22	110	8	13	KIRBY_S	0	0	108883	Toluene	1	1.94E-01	6.47E-05	1
8	22	111	8	14	KIRBY_S	0	0	1330207	Xylenes	1	1.40E-01	4.66E-05	1
8	22	112	8	15	KIRBY_S	0	0	9901	Diesel	1	2.39E+00	5.98E-04	1
9	24	98	9	1	KIRBY_SC	0	0	75070	Acetaldehyde	1	3.99E-03	1.33E-06	1
9	24	99	9	2	KIRBY_SC	0	0	107028	Acrolein	1	1.85E-03	6.18E-07	1
9	24	100	9	3	KIRBY_SC	0	0	71432	Benzene	1	4.04E-02	1.35E-05	1
9	24	101	9	4	KIRBY_SC	0	0	106990	1-3,Butadiene	1	7.84E-03	2.61E-06	1
9	24	102	9	5	KIRBY_SC	0	0	100414	Ethylbenzene	1	1.67E-02	5.55E-06	1
9	24	103	9	6	KIRBY_SC	0	0	50000	Formaldehyde	1	2.25E-02	7.51E-06	1
9	24	104	9	7	KIRBY_SC	0	0	110543	Hexane	1	4.48E-02	1.49E-05	1
9	24	105	9	8	KIRBY_SC	0	0	67561	Methanol	1	1.71E-03	5.70E-07	1
9	24	106	9	9	KIRBY_SC	0	0	78933	Methyl Ethyl Ketone	1	2.85E-04	9.51E-08	1
9	24	107	9	10	KIRBY_SC	0	0	91203	Naphthalene	1	7.13E-04	2.38E-07	1
9	24	108	9	11	KIRBY_SC	0	0	115071	Propylene	1	4.36E-02	1.45E-05	1
9	24	109	9	12	KIRBY_SC	0	0	100425	Styrene	1	1.71E-03	5.70E-07	1
9	24	110	9	13	KIRBY_SC	0	0	108883	Toluene	1	1.06E-01	3.55E-05	1
9	24	111	9	14	KIRBY_SC	0	0	1330207	Xylenes	1	7.67E-02	2.56E-05	1
9	24	112	9	15	KIRBY_SC	0	0	9901	Diesel	1	9.83E-01	3.28E-04	1
10	26	98	10	1	KIRBY_NC	0	0	75070	Acetaldehyde	1	4.11E-03	1.37E-06	1
10	26	99	10	2	KIRBY_NC	0	0	107028	Acrolein	1	1.91E-03	6.36E-07	1
10	26	100	10	3	KIRBY_NC	0	0	71432	Benzene	1	4.16E-02	1.39E-05	1
10	26	101	10	4	KIRBY_NC	0	0	106990	1-3,Butadiene	1	8.08E-03	2.69E-06	1
10	26	102	10	5	KIRBY_NC	0	0	100414	Ethylbenzene	1	1.72E-02	5.72E-06	1
10	26	103	10	6	KIRBY_NC	0	0	50000	Formaldehyde	1	2.32E-02	7.73E-06	1
10	26	104	10	7	KIRBY_NC	0	0	110543	Hexane	1	4.61E-02	1.54E-05	1
10	26	105	10	8	KIRBY_NC	0	0	67561	Methanol	1	1.76E-03	5.87E-07	1
10	26	106	10	9	KIRBY_NC	0	0	78933	Methyl Ethyl Ketone	1	2.94E-04	9.79E-08	1
10	26	107	10	10	KIRBY_NC	0	0	91203	Naphthalene	1	7.34E-04	2.45E-07	1
10	26	108	10	11	KIRBY_NC	0	0	115071	Propylene	1	4.49E-02	1.50E-05	1

10	26	109	10	12	KIRBY_NC	0	0	100425	Styrene	1	1.76E-03	5.87E-07	1
10	26	110	10	13	KIRBY_NC	0	0	108883	Toluene	1	1.10E-01	3.65E-05	1
10	26	111	10	14	KIRBY_NC	0	0	1330207	Xylenes	1	7.90E-02	2.63E-05	1
10	26	112	10	15	KIRBY_NC	0	0	9901	Diesel	1	1.01E+00	3.37E-04	1
11	28	98	11	1	WHIT_IN	0	0	75070	Acetaldehyde	1	1.72E-02	5.74E-06	1
11	28	99	11	2	WHIT_IN	0	0	107028	Acrolein	1	8.00E-03	2.67E-06	1
11	28	100	11	3	WHIT_IN	0	0	71432	Benzene	1	1.74E-01	5.80E-05	1
11	28	101	11	4	WHIT_IN	0	0	106990	1-3,Butadiene	1	3.38E-02	1.13E-05	1
11	28	102	11	5	WHIT_IN	0	0	100414	Ethylbenzene	1	7.18E-02	2.39E-05	1
11	28	103	11	6	WHIT_IN	0	0	50000	Formaldehyde	1	9.72E-02	3.24E-05	1
11	28	104	11	7	WHIT_IN	0	0	110543	Hexane	1	1.93E-01	6.44E-05	1
11	28	105	11	8	WHIT_IN	0	0	67561	Methanol	1	7.38E-03	2.46E-06	1
11	28	106	11	9	WHIT_IN	0	0	78933	Methyl Ethyl Ketone	1	1.23E-03	4.10E-07	1
11	28	107	11	10	WHIT_IN	0	0	91203	Naphthalene	1	3.08E-03	1.03E-06	1
11	28	108	11	11	WHIT_IN	0	0	115071	Propylene	1	1.88E-01	6.27E-05	1
11	28	109	11	12	WHIT_IN	0	0	100425	Styrene	1	7.38E-03	2.46E-06	1
11	28	110	11	13	WHIT_IN	0	0	108883	Toluene	1	4.59E-01	1.53E-04	1
11	28	111	11	14	WHIT_IN	0	0	1330207	Xylenes	1	3.31E-01	1.10E-04	1
11	28	112	11	15	WHIT_IN	0	0	9901	Diesel	1	5.65E+00	1.41E-03	1
12	30	98	12	1	WHIT_Out	0	0	75070	Acetaldehyde	1	1.68E-02	5.61E-06	1
12	30	99	12	2	WHIT_Out	0	0	107028	Acrolein	1	7.81E-03	2.60E-06	1
12	30	100	12	3	WHIT_Out	0	0	71432	Benzene	1	1.70E-01	5.67E-05	1
12	30	101	12	4	WHIT_Out	0	0	106990	1-3,Butadiene	1	3.30E-02	1.10E-05	1
12	30	102	12	5	WHIT_Out	0	0	100414	Ethylbenzene	1	7.02E-02	2.34E-05	1
12	30	103	12	6	WHIT_Out	0	0	50000	Formaldehyde	1	9.49E-02	3.16E-05	1
12	30	104	12	7	WHIT_Out	0	0	110543	Hexane	1	1.89E-01	6.29E-05	1
12	30	105	12	8	WHIT_Out	0	0	67561	Methanol	1	7.21E-03	2.40E-06	1
12	30	106	12	9	WHIT_Out	0	0	78933	Methyl Ethyl Ketone	1	1.20E-03	4.00E-07	1
12	30	107	12	10	WHIT_Out	0	0	91203	Naphthalene	1	3.00E-03	1.00E-06	1
12	30	108	12	11	WHIT_Out	0	0	115071	Propylene	1	1.84E-01	6.13E-05	1
12	30	109	12	12	WHIT_Out	0	0	100425	Styrene	1	7.21E-03	2.40E-06	1
12	30	110	12	13	WHIT_Out	0	0	108883	Toluene	1	4.48E-01	1.49E-04	1
12	30	111	12	14	WHIT_Out	0	0	1330207	Xylenes	1	3.23E-01	1.08E-04	1
12	30	112	12	15	WHIT_Out	0	0	9901	Diesel	1	5.52E+00	1.38E-03	1
Idle	8	98	13	1	Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901	Diesel	1	1.30E-02	1.30E-02	1
Idle	9	98	14	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	99	14	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	9	100	14	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	9	101	14	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	9	102	14	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	9	103	14	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	104	14	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	9	105	14	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	9	106	14	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	9	107	14	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	9	108	14	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	9	109	14	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	9	110	14	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	9	111	14	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	9	37	14	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	10	98	15	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	99	15	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	10	100	15	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	10	101	15	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	10	102	15	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	10	103	15	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	104	15	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	10	105	15	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	10	106	15	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	10	107	15	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	10	108	15	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	10	109	15	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	10	110	15	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	10	111	15	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	10	37	15	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	11	98	16	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	99	16	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	11	100	16	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	11	101	16	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	11	102	16	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	11	103	16	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	104	16	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	11	105	16	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	11	106	16	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	11	107	16	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	11	108	16	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	11	109	16	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	11	110	16	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	11	111	16	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	11	37	16	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	12	98	17	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	99	17	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	12	100	17	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	12	101	17	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	12	102	17	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	12	103	17	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	104	17	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	12	105	17	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	12	106	17	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	12	107	17	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	12	108	17	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	12	109	17	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	12	110	17	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	12	111	17	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	12	37	17	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	13	98	18	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	99	18	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	13	100	18	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	13	101	18	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	13	102	18	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	13	103	18	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	104	18	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	13	105	18	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	13	106	18	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	13	107	18	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	13	108	18	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	13	109	18	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	13	110	18	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	13	111	18	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	13	37	18	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU	7	98	19	1	TRU	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	99	19	2	TRU	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU	7	100	19	3	TRU	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU	7	101	19	4	TRU	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU	7	102	19	5	TRU	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU	7	103	19	6	TRU	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	104	19	7	TRU	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU	7	105	19	8	TRU	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU	7	106	19	9	TRU	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU	7	107	19	10	TRU	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU	7	108	19	11	TRU	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
TRU	7	109	19	12	TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	7	110	19	13	TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	7	111	19	14	TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	7	47	19	15	TRU	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

	Daily Trips
	0

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	55.3%	15.5%	4.9%	24.3%	100%
# Daily Vehicles	0.00	0.00	0.00	0.00	0
# Annual Vehicles	0	0	0	0	0

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	0	#DIV/0!	0.00E+00
3-Axle Trks	0	#DIV/0!	0.00E+00
4-Axle Trks	0	#DIV/0!	0.00E+00
Total	0	#DIV/0!	---

DPM Lbs/ Yr							Total
Distance (m)	1	0	0	0	0	0	1
5	0%	100%	0%	0%	0%	0%	100%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	0	#DIV/0!	0.00E+00
3-Axle Trks	0	#DIV/0!	0.00E+00
4-Axle Trks	0	#DIV/0!	0.00E+00
Total	0	#DIV/0!	---

DPM Lbs/ Yr							Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1	0	0	0	0	0	1
%	100%	100%	0%	0%	0%	0%	200%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Truck Idle

# of Idling Pts	1

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	0	0	0	0	0	0	0
2-Axle Trks	0	6.03E-05	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0	5.78E-05	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	0	7.81E-05	0.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0	--	--	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.25	2.09E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	0	65%	34.98%
# Vehicles		0	0

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.72E-05	4.78E-04
LDT	6.70E-05	8.11E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	0.00E+00	0.00E+00
107028	Acrolein	1.30E-03	0.00E+00	0.00E+00
71432	Benzene	2.47E-02	0.00E+00	0.00E+00
106990	1,3-Butadiene	5.50E-03	0.00E+00	0.00E+00
100414	Ethylbenzene	1.05E-02	0.00E+00	0.00E+00
50000	Formaldehyde	1.58E-02	0.00E+00	0.00E+00
110543	Hexane	1.60E-02	0.00E+00	0.00E+00
67561	Methanol	1.20E-03	0.00E+00	0.00E+00
78933	Methyl Ethyl Ketone	2.00E-04	0.00E+00	0.00E+00
91203	Naphthalene	5.00E-04	0.00E+00	0.00E+00
115071	Propylene	3.06E-02	0.00E+00	0.00E+00
100425	Styrene	1.20E-03	0.00E+00	0.00E+00
108883	Toluene	5.76E-02	0.00E+00	0.00E+00
1330207	Xylenes	4.80E-02	0.00E+00	0.00E+00
9901	Diesel	1.29E-02	0.00E+00	0.00E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	0.00E+00	0.00E+00
100414	Ethylbenzene	1.180E-03	0.00E+00	0.00E+00
110543	Hexane	1.540E-02	0.00E+00	0.00E+00
108883	Toluene	1.700E-02	0.00E+00	0.00E+00
1330207	Xylenes	5.780E-03	0.00E+00	0.00E+00

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1	2	3	4	5	6	7	8	9	10	11	12	Total Percentage	Total Distance
				Vehicles	0	0	0	0	0	0	0	0	0	0	0	0		
				Cars	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
					50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	2
				Trucks	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
					0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107028	Acrolein	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71432	Benzene	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106990	1,3-Butadiene	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100414	Ethylbenzene	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50000	Formaldehyde	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110543	Hexane	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67561	Methanol	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91203	Naphthalene	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115071	Propylene	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100425	Styrene	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108883	Toluene	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330207	Xylenes	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9901	Diesel	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

	Model Source	Source Col		Dat Col		Col	Row	CAS#	Chemical Name	Pol Count	Source Count
1		0	1	8	1	8	98	75070	Acetaldehyde	15	19
2		0	2	10	2	10	99	107028	Acrolein		
3		0	3	12	3	12	100	71432	Benzene		
4		0	4	14	4	14	101	106990	1-3,Butadiene		
5		0	5	16	5	16	102	100414	Ethylbenzene		
6		0	6	18	6	18	103	50000	Formaldehyde		
7		0	7	20	7	20	104	110543	Hexane		
8		0	8	22	8	22	105	67561	Methanol		
9		0	9	24	9	24	106	78933	Methyl Ethyl Ketone		
10		0	10	26	10	26	107	91203	Naphthalene		
11		0	11	28	11	28	108	115071	Propylene		
12		0	12	30	12	30	109	100425	Styrene		
13	Idle		Idle1	8	13	8	110	108883	Toluene		
14		0	Idle1	9	14	8	111	1330207	Xylenes		
15		0	Idle1	10	15	8	112	9901	Diesel		
16		0	Idle1	11	16	8					
17		0	Idle1	12	17	8	37		Idle		
18		0	Idle1	13	18	7	47		TRU		
19	TRU		TRU	7	19						
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1	8	98	1	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
1	8	99	1	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
1	8	100	1	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
1	8	101	1	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
1	8	102	1	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
1	8	103	1	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
1	8	104	1	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
1	8	105	1	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
1	8	106	1	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
1	8	107	1	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
1	8	108	1	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
1	8	109	1	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
1	8	110	1	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
1	8	111	1	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
1	8	112	1	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
2	10	98	2	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
2	10	99	2	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
2	10	100	2	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
2	10	101	2	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
2	10	102	2	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
2	10	103	2	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
2	10	104	2	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
2	10	105	2	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
2	10	106	2	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
2	10	107	2	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
2	10	108	2	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
2	10	109	2	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
2	10	110	2	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
2	10	111	2	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
2	10	112	2	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
3	12	98	3	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
3	12	99	3	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
3	12	100	3	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
3	12	101	3	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
3	12	102	3	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
3	12	103	3	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
3	12	104	3	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
3	12	105	3	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
3	12	106	3	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
3	12	107	3	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
3	12	108	3	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
3	12	109	3	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
3	12	110	3	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
3	12	111	3	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
3	12	112	3	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
4	14	98	4	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
4	14	99	4	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
4	14	100	4	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
4	14	101	4	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
4	14	102	4	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
4	14	103	4	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
4	14	104	4	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
4	14	105	4	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
4	14	106	4	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
4	14	107	4	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
4	14	108	4	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
4	14	109	4	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
4	14	110	4	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
4	14	111	4	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
4	14	112	4	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
5	16	98	5	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
5	16	99	5	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
5	16	100	5	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
5	16	101	5	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
5	16	102	5	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
5	16	103	5	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
5	16	104	5	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
5	16	105	5	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
5	16	106	5	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
5	16	107	5	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
5	16	108	5	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
5	16	109	5	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
5	16	110	5	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
5	16	111	5	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
5	16	112	5	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
6	18	98	6	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
6	18	99	6	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
6	18	100	6	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
6	18	101	6	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
6	18	102	6	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
6	18	103	6	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
6	18	104	6	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
6	18	105	6	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
6	18	106	6	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
6	18	107	6	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
6	18	108	6	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
6	18	109	6	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
6	18	110	6	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
6	18	111	6	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
6	18	112	6	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
7	20	98	7	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
7	20	99	7	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
7	20	100	7	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
7	20	101	7	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
7	20	102	7	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
7	20	103	7	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
7	20	104	7	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
7	20	105	7	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
7	20	106	7	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
7	20	107	7	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
7	20	108	7	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
7	20	109	7	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
7	20	110	7	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
7	20	111	7	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
7	20	112	7	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
8	22	98	8	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
8	22	99	8	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
8	22	100	8	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
8	22	101	8	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
8	22	102	8	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
8	22	103	8	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
8	22	104	8	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
8	22	105	8	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
8	22	106	8	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
8	22	107	8	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
8	22	108	8	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
8	22	109	8	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
8	22	110	8	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
8	22	111	8	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
8	22	112	8	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
9	24	98	9	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
9	24	99	9	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
9	24	100	9	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
9	24	101	9	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
9	24	102	9	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
9	24	103	9	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
9	24	104	9	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
9	24	105	9	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
9	24	106	9	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
9	24	107	9	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
9	24	108	9	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
9	24	109	9	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
9	24	110	9	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
9	24	111	9	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
9	24	112	9	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
10	26	98	10	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
10	26	99	10	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
10	26	100	10	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
10	26	101	10	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
10	26	102	10	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
10	26	103	10	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
10	26	104	10	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
10	26	105	10	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
10	26	106	10	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
10	26	107	10	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
10	26	108	10	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1

10	26	109	10	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
10	26	110	10	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
10	26	111	10	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
10	26	112	10	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
11	28	98	11	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
11	28	99	11	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
11	28	100	11	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
11	28	101	11	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
11	28	102	11	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
11	28	103	11	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
11	28	104	11	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
11	28	105	11	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
11	28	106	11	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
11	28	107	11	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
11	28	108	11	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
11	28	109	11	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
11	28	110	11	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
11	28	111	11	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
11	28	112	11	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
12	30	98	12	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
12	30	99	12	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
12	30	100	12	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
12	30	101	12	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
12	30	102	12	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
12	30	103	12	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
12	30	104	12	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
12	30	105	12	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
12	30	106	12	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
12	30	107	12	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
12	30	108	12	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
12	30	109	12	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
12	30	110	12	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
12	30	111	12	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
12	30	112	12	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	8	98	13	1	Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	9	98	14	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	99	14	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	9	100	14	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	9	101	14	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	9	102	14	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	9	103	14	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	104	14	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	9	105	14	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	9	106	14	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	9	107	14	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	9	108	14	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	9	109	14	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	9	110	14	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	9	111	14	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	9	37	14	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	10	98	15	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	99	15	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	10	100	15	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	10	101	15	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	10	102	15	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	10	103	15	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	104	15	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	10	105	15	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	10	106	15	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	10	107	15	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	10	108	15	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	10	109	15	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	10	110	15	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	10	111	15	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	10	37	15	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	11	98	16	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	99	16	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	11	100	16	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	11	101	16	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	11	102	16	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	11	103	16	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	104	16	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	11	105	16	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	11	106	16	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	11	107	16	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	11	108	16	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	11	109	16	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	11	110	16	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	11	111	16	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	11	37	16	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	12	98	17	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	99	17	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	12	100	17	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	12	101	17	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	12	102	17	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	12	103	17	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	104	17	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	12	105	17	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	12	106	17	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	12	107	17	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	12	108	17	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	12	109	17	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	12	110	17	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	12	111	17	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	12	37	17	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	13	98	18	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	99	18	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	13	100	18	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	13	101	18	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	13	102	18	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	13	103	18	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	104	18	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	13	105	18	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	13	106	18	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	13	107	18	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	13	108	18	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	13	109	18	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	13	110	18	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	13	111	18	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	13	37	18	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU	7	98	19	1	TRU	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	99	19	2	TRU	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU	7	100	19	3	TRU	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU	7	101	19	4	TRU	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU	7	102	19	5	TRU	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU	7	103	19	6	TRU	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	104	19	7	TRU	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU	7	105	19	8	TRU	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU	7	106	19	9	TRU	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU	7	107	19	10	TRU	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU	7	108	19	11	TRU	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
TRU	7	109	19	12	TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	7	110	19	13	TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	7	111	19	14	TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	7	47	19	15	TRU	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

ONSITE_1	0	0	75070	Acetaldehyde	1	6.54E-09	2.18E-12	1
ONSITE_1	0	0	107028	Acrolein	1	3.03E-09	1.01E-12	1
ONSITE_1	0	0	71432	Benzene	1	6.61E-08	2.20E-11	1
ONSITE_1	0	0	106990	1-3,Butadiene	1	1.28E-08	4.28E-12	1
ONSITE_1	0	0	100414	Ethylbenzene	1	2.73E-08	9.09E-12	1
ONSITE_1	0	0	50000	Formaldehyde	1	3.69E-08	1.23E-11	1
ONSITE_1	0	0	110543	Hexane	1	7.33E-08	2.44E-11	1
ONSITE_1	0	0	67561	Methanol	1	2.80E-09	9.34E-13	1
ONSITE_1	0	0	78933	Methyl Ethyl Ketone	1	4.67E-10	1.56E-13	1
ONSITE_1	0	0	91203	Naphthalene	1	1.17E-09	3.89E-13	1
ONSITE_1	0	0	115071	Propylene	1	7.14E-08	2.38E-11	1
ONSITE_1	0	0	100425	Styrene	1	2.80E-09	9.34E-13	1
ONSITE_1	0	0	108883	Toluene	1	1.74E-07	5.80E-11	1
ONSITE_1	0	0	1330207	Xylenes	1	1.26E-07	4.18E-11	1
ONSITE_1	0	0	9901	Diesel	1	4.67E-01	5.36E-10	1
ONSITE_2	0	0	75070	Acetaldehyde	1	6.54E-09	2.18E-12	1
ONSITE_2	0	0	107028	Acrolein	1	3.03E-09	1.01E-12	1
ONSITE_2	0	0	71432	Benzene	1	6.61E-08	2.20E-11	1
ONSITE_2	0	0	106990	1-3,Butadiene	1	1.28E-08	4.28E-12	1
ONSITE_2	0	0	100414	Ethylbenzene	1	2.73E-08	9.09E-12	1
ONSITE_2	0	0	50000	Formaldehyde	1	3.69E-08	1.23E-11	1
ONSITE_2	0	0	110543	Hexane	1	7.33E-08	2.44E-11	1
ONSITE_2	0	0	67561	Methanol	1	2.80E-09	9.34E-13	1
ONSITE_2	0	0	78933	Methyl Ethyl Ketone	1	4.67E-10	1.56E-13	1
ONSITE_2	0	0	91203	Naphthalene	1	1.17E-09	3.89E-13	1
ONSITE_2	0	0	115071	Propylene	1	7.14E-08	2.38E-11	1
ONSITE_2	0	0	100425	Styrene	1	2.80E-09	9.34E-13	1
ONSITE_2	0	0	108883	Toluene	1	1.74E-07	5.80E-11	1
ONSITE_2	0	0	1330207	Xylenes	1	1.26E-07	4.18E-11	1
ONSITE_2	0	0	9901	Diesel	1	3.11E-01	5.36E-10	1
ONSITE_3	0	0	75070	Acetaldehyde	1	6.54E-09	2.18E-12	1
ONSITE_3	0	0	107028	Acrolein	1	3.03E-09	1.01E-12	1
ONSITE_3	0	0	71432	Benzene	1	6.61E-08	2.20E-11	1
ONSITE_3	0	0	106990	1-3,Butadiene	1	1.28E-08	4.28E-12	1
ONSITE_3	0	0	100414	Ethylbenzene	1	2.73E-08	9.09E-12	1
ONSITE_3	0	0	50000	Formaldehyde	1	3.69E-08	1.23E-11	1
ONSITE_3	0	0	110543	Hexane	1	7.33E-08	2.44E-11	1
ONSITE_3	0	0	67561	Methanol	1	2.80E-09	9.34E-13	1
ONSITE_3	0	0	78933	Methyl Ethyl Ketone	1	4.67E-10	1.56E-13	1
ONSITE_3	0	0	91203	Naphthalene	1	1.17E-09	3.89E-13	1
ONSITE_3	0	0	115071	Propylene	1	7.14E-08	2.38E-11	1
ONSITE_3	0	0	100425	Styrene	1	2.80E-09	9.34E-13	1
ONSITE_3	0	0	108883	Toluene	1	1.74E-07	5.80E-11	1
ONSITE_3	0	0	1330207	Xylenes	1	1.26E-07	4.18E-11	1
ONSITE_3	0	0	9901	Diesel	1	6.18E-01	5.36E-10	1
0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1

	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
KIRBY_N		0	0	75070	Acetaldehyde	1	7.30E-03	2.43E-06	1
KIRBY_N		0	0	107028	Acrolein	1	3.39E-03	1.13E-06	1
KIRBY_N		0	0	71432	Benzene	1	7.37E-02	2.46E-05	1

KIRBY_N	0	0	106990	1-3,Butadiene	1	1.43E-02	4.78E-06	1
KIRBY_N	0	0	100414	Ethylbenzene	1	3.04E-02	1.01E-05	1
KIRBY_N	0	0	50000	Formaldehyde	1	4.12E-02	1.37E-05	1
KIRBY_N	0	0	110543	Hexane	1	8.18E-02	2.73E-05	1
KIRBY_N	0	0	67561	Methanol	1	3.13E-03	1.04E-06	1
KIRBY_N	0	0	78933	Methyl Ethyl Ketone	1	5.21E-04	1.74E-07	1
KIRBY_N	0	0	91203	Naphthalene	1	1.30E-03	4.34E-07	1
KIRBY_N	0	0	115071	Propylene	1	7.97E-02	2.66E-05	1
KIRBY_N	0	0	100425	Styrene	1	3.13E-03	1.04E-06	1
KIRBY_N	0	0	108883	Toluene	1	1.94E-01	6.48E-05	1
KIRBY_N	0	0	1330207	Xylenes	1	1.40E-01	4.67E-05	1
KIRBY_N	0	0	9901	Diesel	1	2.39E+00	5.99E-04	1
KIRBY_S	0	0	75070	Acetaldehyde	1	7.28E-03	2.43E-06	1
KIRBY_S	0	0	107028	Acrolein	1	3.38E-03	1.13E-06	1
KIRBY_S	0	0	71432	Benzene	1	7.36E-02	2.45E-05	1
KIRBY_S	0	0	106990	1-3,Butadiene	1	1.43E-02	4.77E-06	1
KIRBY_S	0	0	100414	Ethylbenzene	1	3.04E-02	1.01E-05	1
KIRBY_S	0	0	50000	Formaldehyde	1	4.11E-02	1.37E-05	1
KIRBY_S	0	0	110543	Hexane	1	8.17E-02	2.72E-05	1
KIRBY_S	0	0	67561	Methanol	1	3.12E-03	1.04E-06	1
KIRBY_S	0	0	78933	Methyl Ethyl Ketone	1	5.20E-04	1.73E-07	1
KIRBY_S	0	0	91203	Naphthalene	1	1.30E-03	4.34E-07	1
KIRBY_S	0	0	115071	Propylene	1	7.96E-02	2.65E-05	1
KIRBY_S	0	0	100425	Styrene	1	3.12E-03	1.04E-06	1
KIRBY_S	0	0	108883	Toluene	1	1.94E-01	6.47E-05	1
KIRBY_S	0	0	1330207	Xylenes	1	1.40E-01	4.66E-05	1
KIRBY_S	0	0	9901	Diesel	1	2.39E+00	5.98E-04	1
KIRBY_SC	0	0	75070	Acetaldehyde	1	3.99E-03	1.33E-06	1
KIRBY_SC	0	0	107028	Acrolein	1	1.85E-03	6.18E-07	1
KIRBY_SC	0	0	71432	Benzene	1	4.04E-02	1.35E-05	1
KIRBY_SC	0	0	106990	1-3,Butadiene	1	7.84E-03	2.61E-06	1
KIRBY_SC	0	0	100414	Ethylbenzene	1	1.67E-02	5.55E-06	1
KIRBY_SC	0	0	50000	Formaldehyde	1	2.25E-02	7.51E-06	1
KIRBY_SC	0	0	110543	Hexane	1	4.48E-02	1.49E-05	1
KIRBY_SC	0	0	67561	Methanol	1	1.71E-03	5.70E-07	1
KIRBY_SC	0	0	78933	Methyl Ethyl Ketone	1	2.85E-04	9.51E-08	1
KIRBY_SC	0	0	91203	Naphthalene	1	7.13E-04	2.38E-07	1
KIRBY_SC	0	0	115071	Propylene	1	4.36E-02	1.45E-05	1
KIRBY_SC	0	0	100425	Styrene	1	1.71E-03	5.70E-07	1
KIRBY_SC	0	0	108883	Toluene	1	1.06E-01	3.55E-05	1
KIRBY_SC	0	0	1330207	Xylenes	1	7.67E-02	2.56E-05	1
KIRBY_SC	0	0	9901	Diesel	1	9.83E-01	3.28E-04	1
KIRBY_NC	0	0	75070	Acetaldehyde	1	4.11E-03	1.37E-06	1
KIRBY_NC	0	0	107028	Acrolein	1	1.91E-03	6.36E-07	1
KIRBY_NC	0	0	71432	Benzene	1	4.16E-02	1.39E-05	1
KIRBY_NC	0	0	106990	1-3,Butadiene	1	8.08E-03	2.69E-06	1
KIRBY_NC	0	0	100414	Ethylbenzene	1	1.72E-02	5.72E-06	1

KIRBY_NC	0	0	50000	Formaldehyde	1	2.32E-02	7.73E-06	1
KIRBY_NC	0	0	110543	Hexane	1	4.61E-02	1.54E-05	1
KIRBY_NC	0	0	67561	Methanol	1	1.76E-03	5.87E-07	1
KIRBY_NC	0	0	78933	Methyl Ethyl Ketone	1	2.94E-04	9.79E-08	1
KIRBY_NC	0	0	91203	Naphthalene	1	7.34E-04	2.45E-07	1
KIRBY_NC	0	0	115071	Propylene	1	4.49E-02	1.50E-05	1
KIRBY_NC	0	0	100425	Styrene	1	1.76E-03	5.87E-07	1
KIRBY_NC	0	0	108883	Toluene	1	1.10E-01	3.65E-05	1
KIRBY_NC	0	0	1330207	Xylenes	1	7.90E-02	2.63E-05	1
KIRBY_NC	0	0	9901	Diesel	1	1.01E+00	3.37E-04	1
WHIT_IN	0	0	75070	Acetaldehyde	1	1.72E-02	5.74E-06	1
WHIT_IN	0	0	107028	Acrolein	1	8.00E-03	2.67E-06	1
WHIT_IN	0	0	71432	Benzene	1	1.74E-01	5.80E-05	1
WHIT_IN	0	0	106990	1-3,Butadiene	1	3.38E-02	1.13E-05	1
WHIT_IN	0	0	100414	Ethylbenzene	1	7.18E-02	2.39E-05	1
WHIT_IN	0	0	50000	Formaldehyde	1	9.72E-02	3.24E-05	1
WHIT_IN	0	0	110543	Hexane	1	1.93E-01	6.44E-05	1
WHIT_IN	0	0	67561	Methanol	1	7.38E-03	2.46E-06	1
WHIT_IN	0	0	78933	Methyl Ethyl Ketone	1	1.23E-03	4.10E-07	1
WHIT_IN	0	0	91203	Naphthalene	1	3.08E-03	1.03E-06	1
WHIT_IN	0	0	115071	Propylene	1	1.88E-01	6.27E-05	1
WHIT_IN	0	0	100425	Styrene	1	7.38E-03	2.46E-06	1
WHIT_IN	0	0	108883	Toluene	1	4.59E-01	1.53E-04	1
WHIT_IN	0	0	1330207	Xylenes	1	3.31E-01	1.10E-04	1
WHIT_IN	0	0	9901	Diesel	1	5.65E+00	1.41E-03	1
WHIT_Out	0	0	75070	Acetaldehyde	1	1.68E-02	5.61E-06	1
WHIT_Out	0	0	107028	Acrolein	1	7.81E-03	2.60E-06	1
WHIT_Out	0	0	71432	Benzene	1	1.70E-01	5.67E-05	1
WHIT_Out	0	0	106990	1-3,Butadiene	1	3.30E-02	1.10E-05	1
WHIT_Out	0	0	100414	Ethylbenzene	1	7.02E-02	2.34E-05	1
WHIT_Out	0	0	50000	Formaldehyde	1	9.49E-02	3.16E-05	1
WHIT_Out	0	0	110543	Hexane	1	1.89E-01	6.29E-05	1
WHIT_Out	0	0	67561	Methanol	1	7.21E-03	2.40E-06	1
WHIT_Out	0	0	78933	Methyl Ethyl Ketone	1	1.20E-03	4.00E-07	1
WHIT_Out	0	0	91203	Naphthalene	1	3.00E-03	1.00E-06	1
WHIT_Out	0	0	115071	Propylene	1	1.84E-01	6.13E-05	1
WHIT_Out	0	0	100425	Styrene	1	7.21E-03	2.40E-06	1
WHIT_Out	0	0	108883	Toluene	1	4.48E-01	1.49E-04	1
WHIT_Out	0	0	1330207	Xylenes	1	3.23E-01	1.08E-04	1
WHIT_Out	0	0	9901	Diesel	1	5.52E+00	1.38E-03	1
Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1

Idle		0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle		0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle		0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle		0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle		0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle		0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle		0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle		0	0	9901	Diesel	1	1.30E-02	1.30E-02	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1

	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU		0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU		0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU		0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU		0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU		0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU		0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU		0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU		0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU		0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU		0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU		0	0	115071	Propylene	1	0.00E+00	0.00E+00	1

TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_RUNEX	PM10_RUNEX
Riverside	2024	HHDT	Aggregate	5	Diesel	0.012505365	0.013070802
Riverside	2024	HHDT	Aggregate	10	Diesel	0.010693482	0.011176994
Riverside	2024	HHDT	Aggregate	15	Diesel	0.008632418	0.009022738
					Average	0.010610421	0.011090178
Riverside	2024	LDT1	Aggregate	5	Diesel	0.938427857	0.980859401
Riverside	2024	LDT1	Aggregate	10	Diesel	0.653212507	0.682747878
Riverside	2024	LDT1	Aggregate	15	Diesel	0.475823619	0.497338252
Riverside	2024	LDT2	Aggregate	5	Diesel	0.014966127	0.015642829
Riverside	2024	LDT2	Aggregate	10	Diesel	0.012370413	0.012929748
Riverside	2024	LDT2	Aggregate	15	Diesel	0.010099094	0.01055573
					Average	0.350816603	0.366678973
Riverside	2024	MHDT	Aggregate	5	Diesel	0.040681822	0.042521273
Riverside	2024	MHDT	Aggregate	10	Diesel	0.032329978	0.033791796
Riverside	2024	MHDT	Aggregate	15	Diesel	0.020315	0.021233554
					Average	0.031108933	0.032515541

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Riverside
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VM	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNE	PM10_PME	PM2.5_PM	Fuel Consu	Energy Consumption
Riverside	2024	HHDT	Aggregate	5	Diesel	78.99	78.98900926	0	10.54786759	0.012505365	0.013070802	3185.826321	0.005961199	0.501928234	0.128342986	0.14610872	1.174959344	0.03016787	0.217644	0.137732	0.048206	0.313705	0
Riverside	2024	HHDT	Aggregate	10	Diesel	1822	1821.942377	0	7.651022998	0.010693482	0.011176994	2725.693588	0.00353316	0.429434135	0.076067958	0.08659758	0.73433224	0.025810688	0.217617	0.137739	0.048209	0.268396	0
Riverside	2024	HHDT	Aggregate	15	Diesel	2289	2289.259599	0	5.06788503	0.008632418	0.009022738	2240.964502	0.001804393	0.35306487	0.038848097	0.044225601	0.40130687	0.021220594	0.21713	0.136066	0.047623	0.220666	0
Riverside	2024	LDA	Aggregate	5	Diesel	9.517	9.517016027	0	0.239253284	0.052110326	0.054466524	595.3193256	0.012565236	0.093792802	0.270522124	0.307971453	4.472373295	0.005640953	0.0031	0.00606	0.002121	0.058621	0
Riverside	2024	LDA	Aggregate	10	Diesel	165.4	165.3866882	0	0.22162404	0.038632108	0.040378881	495.980709	0.009264269	0.078141963	0.199454257	0.227065411	3.334033492	0.004699669	0.0031	0.007495	0.002623	0.048839	0
Riverside	2024	LDA	Aggregate	15	Diesel	184.4	184.3919133	0	0.18975936	0.029425587	0.030756082	407.9553216	0.005012572	0.064273527	0.10791772	0.12285715	1.690321304	0.003865584	0.0031	0.008921	0.003122	0.040171	0
Riverside	2024	LDT1	Aggregate	5	Diesel	0.06	0.059507869	0	1.034877295	0.938427857	0.980859401	1026.27391	0.059657596	0.161689872	1.284392927	1.462195955	5.325916216	0.009724467	0.0031	0.009745	0.003411	0.101056	0
Riverside	2024	LDT1	Aggregate	10	Diesel	1.073	1.072727561	0	1.089567867	0.653212507	0.682747878	863.5954538	0.041675678	0.136059815	0.897252815	1.021462677	3.791792166	0.008183006	0.0031	0.012125	0.004244	0.085037	0
Riverside	2024	LDT1	Aggregate	15	Diesel	1.224	1.224031174	0	1.145690065	0.475823619	0.497338252	715.9166608	0.030393348	0.112792961	0.654350878	0.74493497	2.834745588	0.006783674	0.0031	0.014517	0.005081	0.070496	0
Riverside	2024	LDT2	Aggregate	5	Diesel	5.082	5.081541278	0	0.163436037	0.014966127	0.015642829	765.027153	0.012255985	0.120530339	0.263864132	0.300391772	2.494382793	0.007249021	0.0031	0.007963	0.002787	0.075331	0
Riverside	2024	LDT2	Aggregate	10	Diesel	90.39	90.3858719	0	0.139478616	0.012370413	0.012929748	644.2880355	0.009153247	0.101507842	0.19706402	0.224344285	1.867866489	0.006104957	0.0031	0.009912	0.003469	0.063442	0
Riverside	2024	LDT2	Aggregate	15	Diesel	102.3	102.282186	0	0.099926296	0.010099094	0.01055573	534.3840991	0.004541447	0.084192432	0.097774687	0.111309981	0.922124205	0.005063561	0.0031	0.01187	0.004155	0.05262	0
Riverside	2024	LHDT1	Aggregate	5	Diesel	34.71	34.70747808	0	2.467775192	0.100823649	0.105382447	1195.01218	0.021321877	0.188274656	0.459047451	0.522595003	1.474817225	0.011323348	0.159628	0.078	0.0273	0.117672	0
Riverside	2024	LHDT1	Aggregate	10	Diesel	685	685.0239175	0	2.275477594	0.081853652	0.085554711	1034.751667	0.017349936	0.163025547	0.373533916	0.425243529	1.166429515	0.009804798	0.160107	0.078	0.0273	0.101891	0
Riverside	2024	LHDT1	Aggregate	15	Diesel	687.8	687.7542309	0	2.131495229	0.067546879	0.070601049	868.9374054	0.014415106	0.136901442	0.310348742	0.353311409	0.93908933	0.008233624	0.159842	0.078	0.0273	0.085563	0
Riverside	2024	LHDT2	Aggregate	5	Diesel	15.74	15.73838616	0	2.250113866	0.090215048	0.094294172	1426.30061	0.018794267	0.224714242	0.404629497	0.460643781	1.284461336	0.013514923	0.172439	0.091	0.03185	0.140446	0
Riverside	2024	LHDT2	Aggregate	10	Diesel	310.6	310.5658543	0	2.031835397	0.0747852	0.078166655	1242.259485	0.015737987	0.195718488	0.338829597	0.38573497	1.039030513	0.01177104	0.172532	0.091	0.03185	0.122324	0
Riverside	2024	LHDT2	Aggregate	15	Diesel	311.8	311.8391551	0	1.847139685	0.062329187	0.065147436	1060.647951	0.013286884	0.167105517	0.286058796	0.325658921	0.842988855	0.010050178	0.17248	0.091	0.03185	0.104441	0
Riverside	2024	MHDT	Aggregate	5	Diesel	295.4	295.3816952	0	3.617271749	0.040681822	0.042521273	2415.955892	0.009794883	0.380634835	0.210881153	0.24007214	0.511197314	0.022877658	0.213187	0.061496	0.021524	0.237897	0
Riverside	2024	MHDT	Aggregate	10	Diesel	1136	1136.193387	0	2.705570002	0.032329978	0.033791796	2002.846516	0.006640413	0.315549284	0.142966281	0.162756229	0.362078534	0.018965759	0.21406	0.061496	0.021524	0.197218	0
Riverside	2024	MHDT	Aggregate	15	Diesel	1578	1577.816965	0	1.874387239	0.020315	0.021233554	1576.512579	0.003270312	0.248380199	0.07040891	0.080155185	0.227607755	0.014928631	0.214158	0.061496	0.021524	0.155238	0

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Diesel %	Trips	PM2.5_RUNEX	PM10_RUNEX	TOG_RUNEX	TOG_RUNLOSS
Riverside	2024	LDA	Aggregate	Aggregate	Gasoline	629406.9139	26012015.9	26012015.9	0%	2933201.6	0.00117144	0.001274048	0.012347141	0.216629488
Riverside	2024	LDA	Aggregate	Aggregate	Diesel	1959.753877	67629.41363	67629.41363	62%	8510.289208	0.015020846	0.015700022	0.028134791	0
							26079645.32	65.0%						
Riverside	2024	LDT1	Aggregate	Aggregate	Gasoline	56644.68754	2083796.214	2083796.214	0%	245944.4656	0.002053901	0.002233753	0.061815546	0.667420577
Riverside	2024	LDT1	Aggregate	Aggregate	Diesel	27.91479909	531.8512619	531.8512619	0.5%	80.27526642	0.229872409	0.24026622	0.363830921	0
Riverside	2024	LDT2	Aggregate	Aggregate	Gasoline	277174.2091	11902837.74	11902837.74	0%	1301926.113	0.001196751	0.001301571	0.017021875	0.219371705
Riverside	2024	LDT2	Aggregate	Aggregate	Diesel	899.7266747	40768.10858	40768.10858	37%	4340.043998	0.00495298	0.005176932	0.014243503	0
							14027933.91	35.0%	108929			Gasoline Avg EF	0.030394854	0.367807257
								Diesel Wt EF	0.012858083					

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM10_RUNEX	PM10_IDLEX
Riverside	2024	HHDT	Aggregate	Aggregate	Diesel	26140.27083	4166185.065	4166185.065	463049.9047	0.030510177	0.033876842	0.031889712	0.035408602
Riverside	2024	MHDT	Aggregate	Aggregate	Diesel	15553.21883	696366.0625	696366.0625	185502.6747	0.011677876	0.025105163	0.012205898	0.026240307
Riverside	2024	LHDT1	Aggregate	Aggregate	Diesel	19420.71943	721008.4995	721008.4995	244288.2192	0.026546192	0.026179317	0.027746493	0.027363029
Riverside	2024	LHDT2	Aggregate	Aggregate	Diesel	8700.338779	325030.199	325030.199	109439.3168	0.024514867	0.026172387	0.025623321	0.027355786
									Average	0.02553053	0.026175852	0.026684907	0.027359408

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Riverside
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
Riverside	2024	HHDT	Aggregate	Aggregate	Gasoline	9.988803	703.1401	703.1401	0	199.856	5.486892336	0	0.443592497	0.001104921	0	0.001080125	0.005000001	0.028476753	0.001201702	0	0.001174734	0.020000006	0.081362152	2272.596047	0	55.60032352	0.13472918	0	5.846036-05	0.178614068	0	0.011949265	0.717737817	0	0.000301942	0.087515974	0.740129978	7.480193394	1.047321337	0	0.000330588	0.087515974	0.740129978	7.480193394	0.044379832	35.27363767	0	4.404288573	0.022466926	0	0.000549666
Riverside	2024	HHDT	Aggregate	Aggregate	Diesel	26140.27	4166185	4166185	0	463049.9	1.552107988	84.68599583	2.658349477	0.030510177	0.033876842	0	0.008887841	0.024916885	0.031889712	0.035458602	0	0.035551362	0.0711913	1549.930378	16591.86651	0	0.000603044	0.332059443	0	0.244192162	2.614053126	0	0.012983372	7.149148756	0	0	0	0.014780581	8.138761656	0	0	0	0.014780581	8.138761656	0	0	0	0.218912B	0.052539757	105.0285B549	0	0.014679814	0.157115054	0
Riverside	2024	LDA	Aggregate	Aggregate	Gasoline	629406.9	26012016	26012016	0	2933202	0.038369277	0	0.238072624	0.00117144	0	0.001909124	0.020000001	0.002320249	0.000127404B	0	0.002076347	0.008000002	0.006629282	285.0209618	0	69.14022878	0.002291616	0	0.065788533	0.004472736	0	0.032215221	0.008461596	0	0.290451253	0.087931186	0.216629488	1.567229417	0.012347141	0	0.318007562	0.087913186	0.216629488	1.567229417	0.034707093	0.757390831	0	2.855605068	0.002817722	0	0.000683522
Riverside	2024	LDA	Aggregate	Aggregate	Diesel	1959.754	67629.41	67629.41	0	8510.289	0.182239972	0	0	0.015020846	0	0	0.000000001	0.002366361	0.013700022	0	0	0.008000002	0.006763101	238.3830997	0	0	0.001147999	0	0	0.037557354	0	0	0.024726	0	0	0	0	0.028134791	0	0	0	0.028134791	0	0	0	0.0031	0.31040267	0	0.002258801	0	0	0
Riverside	2024	LDT1	Aggregate	Aggregate	Gasoline	56644.69	2083796	2083796	0	2459445	0.191530981	0	0.455321847	0.002053901	0	0.003129181	0.020000001	0.00279678	0.002233753	0	0.003403184	0.008000002	0.007990801	344.7678424	0	89.18171264	0.009548954	0	0.123768998	0.013254025	0	0.042288301	0.042367819	0	0.646334603	0.224942712	0.667420577	4.205398019	0.068185546	0	0.707654426	0.224942712	0.667420577	4.205398019	0.038316346	2.06683989	0	6.044573478	0.003408381	0	0.000881652
Riverside	2024	LDT1	Aggregate	Aggregate	Diesel	27.9148	531.8513	531.8513	0	80.27527	1.579083098	0	0	0.229873409	0	0	0.000000001	0.003071281	0.34026622	0	0	0.008000002	0.008780804	416.3013801	0	0	0.014844302	0	0	0.065588452	0	0	0	0	0	0	0	0.319589081	0	0	0	0	0	0	0	0.0031	2.156501421	0	0	0.003944667	0	0
Riverside	2024	LDT2	Aggregate	Aggregate	Gasoline	277174.2	11902838	11902838	0	1301926	0.069368443	0	0.313989517	0.001196751	0	0.001921798	0.020000001	0.002656306	0.001301571	0	0.002090123	0.008000002	0.007589446	349.1993259	0	86.05601999	0.003030911	0	0.077727869	0.006043656	0	0.036439946	0.0116658	0	0.35000974	0.082480739	0.219371705	1.580035722	0.017021875	0	0.383216542	0.082480739	0.219371705	1.580035722	0.036692408	0.90602116	0	3.336578835	0.003452191	0	0.000850751
Riverside	2024	LDT2	Aggregate	Aggregate	Diesel	899.7267	40768.11	40768.11	0	4340.044	0.048550376	0	0	0.00495298	0	0	0.000000001	0.002590341	0.005176932	0	0	0.008000002	0.007400974	310.5640034	0	0	0.000581135	0	0	0.048929485	0	0	0.012511493	0	0	0	0	0.012414503	0	0	0	0.012414503	0	0	0	0.0031	0.118950859	0	0.002942752	0	0	0
Riverside	2024	LHDT1	Aggregate	Aggregate	Gasoline	24193.88	894591.4	894591.4	0	360452.8	0.162631163	0.037018562	0.646932298	0.003056666	0	0.000295231	0.002000001	0.027300008	0.001149221	0	0.003321091	0.008000002	0.078000022	619.4300625	119.8135927	25.51313883	0.004553637	0.116968834	0.033574405	0.009476566	0.00303562	0.051478826	0.022169125	0.424289629	0.16355891	0.050263221	0.278415569	1.332731498	0.044913481	1.009695659	3.758781458	2.918073805	0.006123697	0.001184479	0.000252223
Riverside	2024	LHDT1	Aggregate	Aggregate	Diesel	19420.72	721008.5	721008.5	0	244288.2	1.860951959	2.112618249	0	0.026546192	0.026179317	0	0.000000001	0.027300008	0.027746493	0.027363029	0	0.012000003	0.078000022	489.3843214	133.821414	0	0.00503267	0.005098128	0	0.077102699	0.021083618	0	0.108350418	0.109759705	0	0	0	0.123349747	0.124954127	0	0	0	0.123349747	0.124954127	0	0	0	0.161324274	0.353712906	0.909745076	0	0.004637165	0.001268026	0
Riverside	2024	LHDT2	Aggregate	Aggregate	Gasoline	3740.395	132352.1	132352.1	0	55726.31	0.144254575	0.037224134	0.658068104	0.000913855	0	0.000221645	0.002000001	0.031850009	0.000993901	0	0.000241059	0.008000002	0.091000026	753.0201468	138.992739	25.40898834	0.002886865	0.117870266	0.03281794	0.009272536	0.003008687	0.051299958	0.012928504	0.427038807	0.158484429	0.045711212	0.241339763	1.066783686	0.018865242	0.623134025	0.1735205	0.045712121	0.241339763	1.066783686	0.018865242	0.623134025	0.1735205	0.045712121	0.241339763	1.066783686	0.044987067	0.743236168	3.76834267	2.832218802	0.00695007	0.001374085	0.000251194
Riverside	2024	LHDT2	Aggregate	Aggregate	Diesel	8700.339	325030.2	325030.2	0	109439.3	1.44456102	2.088713211	0	0.024514867	0.026172387	0	0.000000001	0.031850009	0.025623321	0.027355786	0	0.012000003	0.091000026	586.1579864	214.5940099	0	0.004510151	0.005098128	0	0.092349429	0.033809372	0	0.097100885	0.109759705	0	0	0	0.110542902	0.124954127	0	0	0	0.110542902	0.124954127	0	0	0	0.172876988	0.27109333	0.909745076	0	0.005554145	0.002033387	0
Riverside	2024	MHDT	Aggregate	Aggregate	Gasoline	1944.488	101379.8	101379.8	0	38905.31	0.467585885	0.089308828	0.436057805	0.000898617	0	0.000472506	0.003000001	0.014714699	0.000977328	0	0.000513893	0.012000003	0.042041998	1631.38666	541.7214606	46.03059519	0.011888489	0.258209463	0.046972487	0.023168682	0.007346006	0.032595515	0.057580463	1.005528741	0.256476491	0.035842368	0.285889065	1.582604185	0.044978208	1.419132196	14.36572944	5.465970763	0.016127918	0.005355468	0.000455059
Riverside	2024	MHDT	Aggregate	Aggregate	Diesel	15553.22	696366.1	696366.1	0	1855027	0.896022429	12.56666165	1.660674512	0.011677876	0.025105163	0	0.003000001	0.014758175	0.012205898	0.026240307	0	0.012000003	0.042166215	1082.81705	2210.279765	0	0.000764281	0.010878644	0	0.170598267	0.348230477	0	0.016454759	0.234214215	0	0	0	0.01873249	0.266635055	0	0	0	0.012173027B	0.064580287	7.449646284	0	0.01025363	0.020930028	0

APPENDIX C

DETAILED ENERGY CALCULATIONS

Construction Off-Road Equipment										
Phase	**Off-Road Equipment Type**	**Amount**	**Usage Hour/Day**	**Total Usage Days**	**Total Usage Hours/Equipment**	**Horsepower**	**Load Factor**	**Total Usage Hours/ Equipment**	**Horsepower-Hour**	**Fuel Usage (gallons)**
Site Preparation	Rubber Tired Dozers	3	8	25	600	367	0.4	600	88080	4509.696
	Tractors/Loaders/Backhoes	4	8	25	800	84	0.37	800	24864	1273.0368
Grading	Excavators	2	8	20	320	36	0.38	320	4377.6	224.13312
	Graders	1	8	20	160	148	0.41	160	9708.8	497.09056
	Rubber Tired Dozers	1	8	20	160	367	0.4	160	23488	1202.5856
	Scrapers	2	8	20	320	423	0.48	320	64972.8	3326.60736
	Tractors/Loaders/Backhoes	2	8	20	320	84	0.37	320	9945.6	509.21472
Building Construction	Cranes	1	7	205	1435	367	0.29	1435	152727.05	7819.62496
	Forklifts	3	8	205	4920	82	0.2	4920	80688	4131.2256
	Generator Sets	1	8	205	1640	14	0.74	1640	16990.4	869.90848
	Tractors/Loaders/Backhoes	3	7	205	4305	84	0.37	4305	133799.4	6850.52928
	Welders	1	8	205	1640	46	0.45	1640	33948	1738.1376
Paving	Pavers	2	8	10	160	81	0.42	160	5443.2	278.69184
	Paving Equipment	2	8	10	160	89	0.36	160	5126.4	262.47168
	Rollers	2	8	10	160	36	0.38	160	2188.8	112.06656
Architectural Coating	Air Compressors	1	6	120	720	37	0.48	720	12787.2	654.70464
									Total	**34259.7248** Diesel

Construction Truck and Construction Worker Vehicle Fuel Efficiency				
		EMFAC 2021 Outputs		
Vehicle Type	Vehicle Class	Fuel Consumption (1,000 gallons/day)	VMT (miles/ day)	Fuel Efficency (miles/gallon)
Construction Truck	MHDT	76.7	686024.2	8.9
	HHDT	662.2	4023776	6.1
	HHDT/MHDT	-	-	7.5
Construction Worker Vehicle	LDA	902.6	25990133.5	28.8
	LDT1	88.9	2111319.3	23.7
	LDT2	492.5	11500756.8	23.4
	Worker Mix	-	-	26.2

Notes:

[1] For construction trucks assumes 50 percent HHDT and 50 percent MHDT vehicles, consistent with assumptions in CalEEMod for hauling trucks. For construction worker vehicles assumes 50 percent LDA, 25 percent LDT1, and 25 percent LDT2 vehicles, consistent with assumptions in CalEEMod for worker vehicles.

[2] EMFAC2021 was run for Riverside County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Vehicle Fuel Use - Diesel Vehicles						
Phase	Trip Type	Total Trips	Trip Length (miles)	Total VMT	Diesel Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Grading	Hauling	3428	20	68560	6.1	11239.3
Building Construction	Vendor	56990	10.2	581298	7.5	77506.4
					Total	**88745.7**

Diesel

[1] Assumes 100 percent HHDT vehicles for haul trucks and 50 percent HHDT/50 percent MHDT vehicles for MHDT, consistent with assumptions in CalEEMod.

[2] EMFAC2021 was run for Riverside County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Worker Vehicle Fuel Use - Gasoline Vehicles							
Phase	Total One-Way Trips/Day	Total Days	Total Trips	Trip Length (miles)	Total VMT	Gasoline Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Site Preparation	17.5	25	875	18.5	16187.5	26.2	617.8
Grading	20	20	800	18.5	14800	26.2	564.9
Building Construction	357	205	146370	18.5	2707845	26.2	103352.9
Paving	15	10	300	18.5	5550	26.2	211.8
Architectural Coating	71.5	120	17160	18.5	317460	26.2	12116.8
						Total	**116864.2**

Gas

Total Construction Gasoline Usage	116864.2
Total Construction Diesel Usage	123005.5

Proposed Project Operational Trips			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.5106	1614	824.1
LDT1	0.04022	1614	64.9
LDT2	0.1975	1614	318.8
MDV	0.16123	1614	260.2
LHD1	0.03268	1614	52.7
LHD2	0.00922	1614	14.9
MHD	0.025	1614	40.4
HHD	0	1614	0.0
OBUS	0	1614	0.0
UBUS	0	1614	0.0
MCY	0.02375	1614	38.3
SBUS	0	1614	0.0
MH	0	1614	0.0

Proposed Project Operational Trips – Fuel Efficiency						
Fuel	Vehicle Class	EMFAC2021 Outputs1				
		Fleet Mix (%)2	Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)	
Gas	LDA	52%	885.4	26012016	29.4	15.3
	LDT1	4%	86.1	2,083,796.0	24.2	1.0
	LDT2	24%	496.2	11,902,838.0	24.0	5.7
	MDV	17%	450.0	8,698,898.0	19.3	3.4
	LHD1	2%	65.8	894,591.4	13.6	0.2
	MCY	0%	4.4	183,169.9	41.8	0.2
	MH	0%	10.6	51,810.8	4.9	0.0
	Fleet Mix	–	–	–	25.9	25.9
Diesel	LHD2	6%	18.9	325,030.2	17.2	1.1
	MHDT	14%	77.6	696,366.1	9.0	1.2
	HHDT	80%	668.1	4,114,264.2	6.2	4.9
	Fleet Mix	–	–	–	7.2	7.2

Notes:

[1] EMFAC2021 was run for Riverside County for the operational year 2024. Data was aggregated over all vehicle model years and speed bins.

[2] Fleet mix is based on assumptions made in CalEEMod for the proposed project.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Proposed Project Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Warehouse	5,977,343.00	Gas	97%	5773994	25.9	223289.6
		Diesel	3%	204545	7.2	28268.2
Warehouse HHDT	2,854,300.00	Diesel	100%	2854300	6.1	467918.0
					Total Gasoline/year	**223289.6**
					Total Diesel/year	**496186.2**

Notes:

[1] Calculated for operational year 2024 only. Future years will likely use less fuel due to more efficient cars.

[2] Total VMT is based on project's trip generation and trip lengths.

[3] Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

[4] Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for Riverside County and total VMT.

Proposed Project Electricity Usage	
Electricity by Land Use	**kWh/year**
Unrefrigerated Warehouse	3914944
Parking Lot	362506
Total	**4,277,450**

Proposed Project Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
unrefrigerated warehouse	-	-	-
Parking Lot	0	0	0
Total	**-**	**-**	**-**

General Plan Buildout Construction Off-Road Equipment										
Phase	**Off-Road Equipment Type**	**Amount**	**Usage Hour/Day**	**Total Usage Days**	**Total Usage Hours/Equipment**	**Horsepower**	**Load Factor**	**Total Usage Hours/ Equipment**	**Horsepower-Hour**	**Fuel Usage (gallons)**
Site Preparation	Rubber Tired Dozers	3	8	25	600	367	0.4	600	88080	4509.696
	Tractors/Loaders/Backhoes	4	8	25	800	84	0.37	800	24864	1273.0368
Grading	Excavators	2	8	20	320	36	0.38	320	4377.6	224.13312
	Graders	1	8	20	160	148	0.41	160	9708.8	497.09056
	Rubber Tired Dozers	1	8	20	160	367	0.4	160	23488	1202.5856
	Scrapers	2	8	20	320	423	0.48	320	64972.8	3326.60736
	Tractors/Loaders/Backhoes	2	8	20	320	84	0.37	320	9945.6	509.21472
Building Construction	Cranes	1	7	205	1435	367	0.29	1435	152727.05	7819.62496
	Forklifts	3	8	205	4920	82	0.2	4920	80688	4131.2256
	Generator Sets	1	8	205	1640	14	0.74	1640	16990.4	869.90848
	Tractors/Loaders/Backhoes	3	7	205	4305	84	0.37	4305	133799.4	6850.52928
	Welders	1	8	205	1640	46	0.45	1640	33948	1738.1376
Paving	Pavers	2	8	10	160	81	0.42	160	5443.2	278.69184
	Paving Equipment	2	8	10	160	89	0.36	160	5126.4	262.47168
	Rollers	2	8	10	160	36	0.38	160	2188.8	112.06656
Architectural Coating	Air Compressors	1	6	120	720	37	0.48	720	12787.2	654.70464
									Total	**34259.7248** Diesel

General Plan Buildout Construction Truck and Construction Worker Vehicle Fuel Efficiency				
		EMFAC 2021 Outputs		
Vehicle Type	Vehicle Class	Fuel Consumption (1,000 gallons/day)	VMT (miles/ day)	Fuel Efficency (miles/gallon)
Construction Truck	MHDT	76.7	686024.2	8.9
	HHDT	662.2	4023776	6.1
	HHDT/MHDT	-	-	7.5
Construction Worker Vehicle	LDA	902.6	25990133.5	28.8
	LDT1	88.9	2111319.3	23.7
	LDT2	492.5	11500756.8	23.4
	Worker Mix	-	-	26.2

Notes:

[1] For construction trucks assumes 50 percent HHDT and 50 percent MHDT vehicles, consistent with assumptions in CalEEMod for hauling trucks. For construction worker vehicles assumes 50 percent LDA, 25 percent LDT1, and 25 percent LDT2 vehicles, consistent with assumptions in CalEEMod for worker vehicles.

[2] EMFAC2021 was run for Riverside County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

General Plan Buildout Construction Vehicle Fuel Use - Diesel Vehicles						
Phase	Trip Type	Total Trips	Trip Length (miles)	Total VMT	Diesel Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Grading	Hauling	3428	20	68560	6.1	11239.3
Building Construction	Vendor	73390	10.2	748578	7.5	99810.4
					Total	**111049.7**

Diesel

[1] Assumes 100 percent HHDT vehicles for haul trucks and 50 percent HHDT/50 percent MHDT vehicles for MHDT, consistent with assumptions in CalEEMod.

[2] EMFAC2021 was run for Riverside County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

General Plan Buildout Construction Worker Vehicle Fuel Use - Gasoline Vehicles							
Phase	Total One-Way Trips/Day	Total Days	Total Trips	Trip Length (miles)	Total VMT	Gasoline Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Site Preparation	18	25	900	18.5	16650	26.2	635.5
Grading	20	20	800	18.5	14800	26.2	564.9
Building Construction	460	205	188600	18.5	3489100	26.2	133171.8
Paving	15	10	300	18.5	5550	26.2	211.8
Architectural Coating	91.9	120	22056	18.5	408036	26.2	15573.9
						Total	**150157.9**

Gas

Total Construction Gasoline Usage	150157.9
Total Construction Diesel Usage	145309.5

General Plan Buildout Operational Trips			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.4966	13611	6759.2
LDT1	0.0402	13611	547.2
LDT2	0.1975	13611	2688.2
MDV	0.1612	13611	2194.1
LHD1	0.0327	13611	445.1
LHD2	0.00922	13611	125.5
MHD	0.0142	13611	193.3
HHD	0.0154	13611	209.6
OBUS	0.00062	13611	8.4
UBUS	0.000393	13611	5.3
MCY	0.0237	13611	322.6
SBUS	0.001342	13611	18.3
MH	0.006736	13611	91.7

General Plan Buildout Operational Trips – Fuel Efficiency						
Fuel	Vehicle Class	EMFAC2021 Outputs1				
		Fleet Mix (%)2	Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)	
Gas	LDA	52%	885.4	26012016	29.4	15.3
	LDT1	4%	86.1	2,083,796.0	24.2	1.0
	LDT2	24%	496.2	11,902,838.0	24.0	5.7
	MDV	17%	450.0	8,698,898.0	19.3	3.4
	LHD1	2%	65.8	894,591.4	13.6	0.2
	MCY	0%	4.4	183,169.9	41.8	0.2
	MH	0%	10.6	51,810.8	4.9	0.0
	Fleet Mix	–	–	–	25.9	25.9
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General Plan Buildout Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Unrefrigerated Warehouse	50,370,167.00	Gas	96%	48374048	25.9	1870701.7
		Diesel	4%	1955370	7.2	270233.4
					Total Gasoline/year	**1870701.7**
					Total Diesel/year	**270233.4**

Notes:

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General Plan Buildout Project Electricity Usage	
Electricity by Land Use	**kWh/year**
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Total	**4,277,450**

General Plan Buildout Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
unrefrigerated warehouse	-	-	-
Parking Lot	0	0	0
Total	**-**	**-**	**-**